

LED solutions

LED catalogue

Issue July 2018



TRIDONIC



Tridonic systems in use

Schallberg tunnel, Ried-Brig



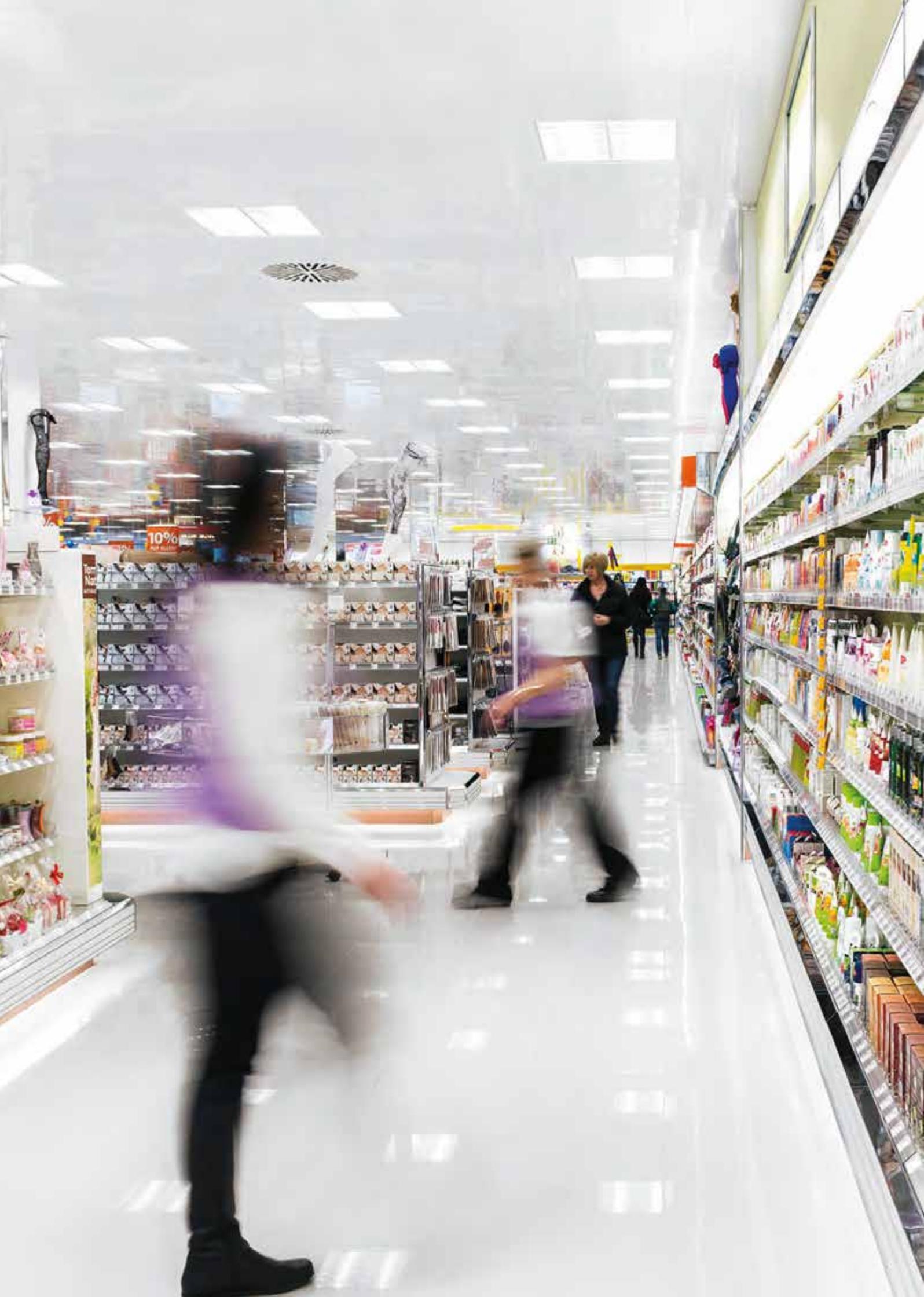
Following its general renovation, the 500 m long Schallberg tunnel can be seen in a new light. The luminaires were developed by the Swiss tunnel lighting specialists Rigamonti and equipped with LED components from Tridonic. The result is high-performance lighting system that offers an unprecedented of visual comfort and has a positive effect on overall feeling of safety among vehicle drivers.

The Schallberg tunnel with its new lighting is now bright and inviting. A total of 100 transition zone luminaires and 150 interior zone luminaires from Swiss tunnel lighting specialist Rigamonti, in combination with the white reflective tunnel walls, create a pleasant atmosphere. The “inner workings” of the luminaires come from Tridonic and the emergency lights on the walls, the escape route lights, the escape route indicators and the escape exit signs are all equipped with LED components from Tridonic.



Tridonic products used:

- [Module LLE EXCITE](#)
- [Module RLE outdoor](#)
- [Driver PREMIUM outdoor](#)



Tridonic systems in use

Müller retail chain



The Müller retail chain has opted for LED technology from Tridonic for equipping its new retail outlets and for upgrading its existing shops. One of the main tasks facing Tridonic was to replace the TCL lamps in the existing ceiling louvre luminaires with suitable LED components while retaining the outward appearance of the luminaires. Offering potential energy savings of more than 50 percent compared with the previous lighting, the LED solution from Tridonic for the ceiling louvre luminaires is one of the key components in the new lighting system for Müller. In all, there are ten different lighting situations that meet the various lighting requirements in the Müller store concept and which feature LED technology from Tridonic.

Tridonic products used:

- [Module LLE](#)
- [Module SLE](#)
- [Driver LCU](#)



Watch Video





Littérature

Littérature

Littérature

Littérature

Tridonic systems in use

Culture centre, Saint-Malo



LED modules and LED Drivers from Tridonic provide general illumination for the media library in the new culture centre in Saint-Malo. The high luminous flux of the energy-efficient LED modules contributes to the beacon-like quality of the building at night.

The 8'18" lighting designers wanted to keep the wooden ceiling in the 3,500 square metre media library free of lighting equipment so they integrated light lines in each of the wooden pillars that interrupt the glass facade. The vertical lighting solution is given structure by wooden slats arranged horizontally. The spacing and angle of these slats vary according to the height of the room. Compared to T5 luminaires, an LED solution offers lower maintenance costs and a 50 per cent reduction in energy consumption.

Tridonic products used:

- [Module LLE ADV](#)
- [Driver LCA one4all Ip PRE](#)

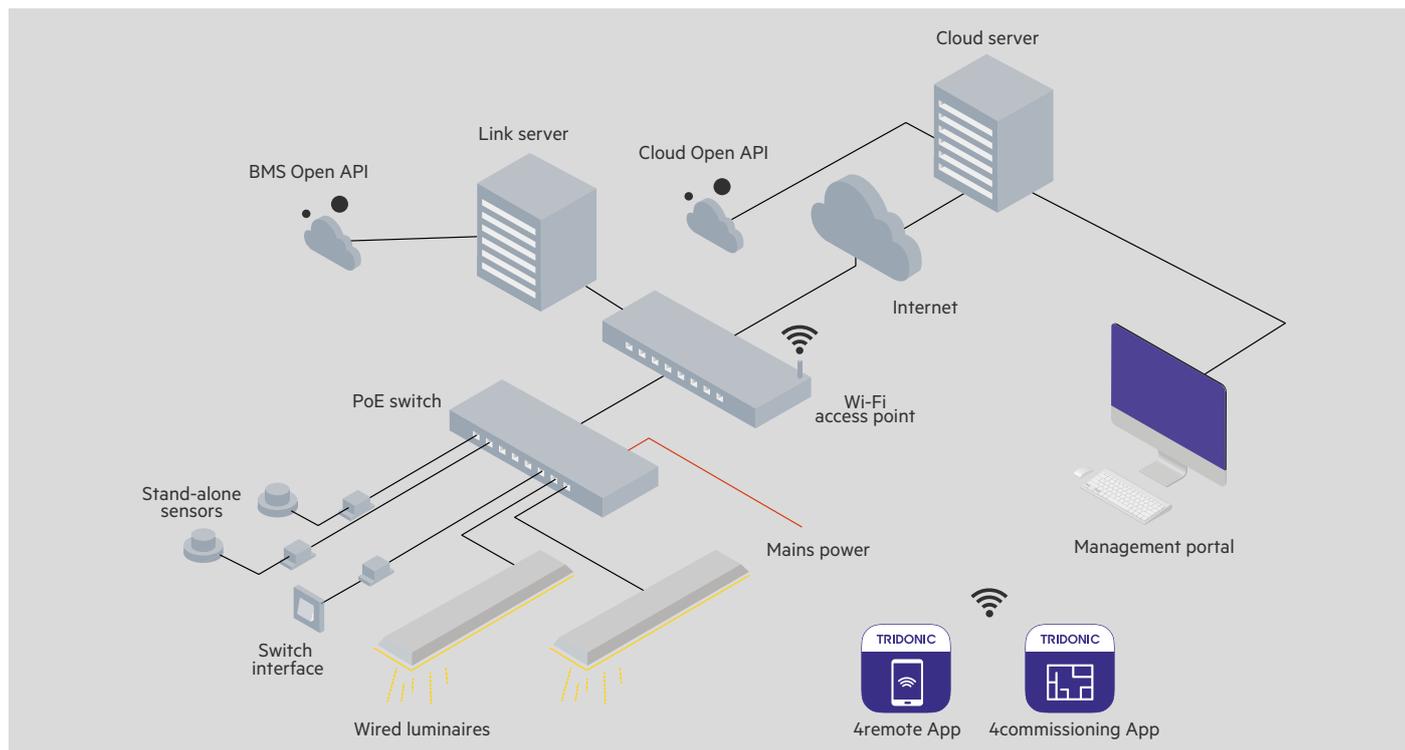


Intelligent IP connected lighting for smart buildings

net4more

Luminaires generating data

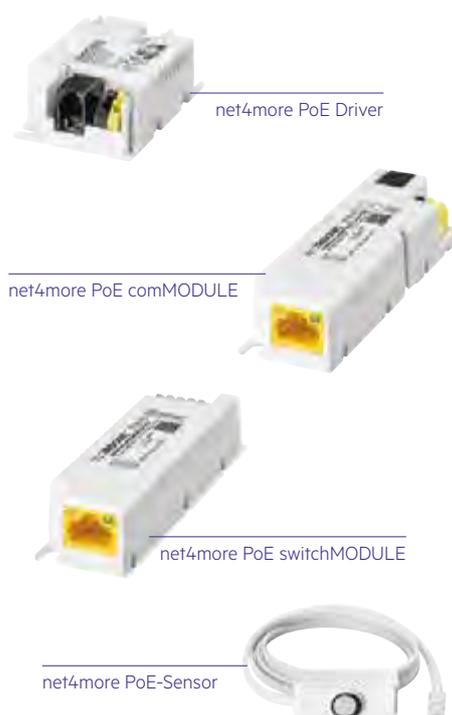
Lighting is ubiquitous in every room, building and city. Equipped with the latest LED driver technology, luminaires are already a part of the Internet of Things (IoT). Tridonic focuses on the Internet of Light (IoL) as the lighting infrastructure provides the perfect backbone and enabler for the IoT.



Access the data and vision of tomorrow, today with Tridonic's net4more Power over Ethernet (PoE) solution. Tridonic takes the IoL to a new level by accessing and aggregating data from luminaires. The net4more solution uses IPv6 connectivity without the need for gateways. All generated data can be accessed via open APIs on the link server or on the net4more cloud server. It can be also visualized via the Tridonic or customized apps on top of the net4more management portal.

Luminaires in the net4more system are equipped with sensors and drivers that can gather data – not only from the luminaire but also from the usage of the area surrounding it. The data, such as energy consumption or dim level, is as easily available as the date of commissioning which allows prediction of the lifetime. All data is accessible on the systems APIs or in the management portal and provides information to luminaire manufactures, building managers, users or whoever is interested in them and has been authorised by their owner.

Navigant Research's report on "Power over Ethernet Lighting" noted that revenues in the PoE lighting segment are expected to grow from an estimated \$35,8 million in 2016 to \$419,9 million in 2025. Grow your piece of this burgeoning market with Tridonic's customizable net4more solution and access nearly 100 different LED light sources compatible with the PoE luminaire driver. The luminaire manufacturer is now holding the key for future opportunities by utilising all of this data or enabling others to use it.



companionSUITE

Software simplifies parameter setting

The Tridonic companionSUITE software collection supports luminaire manufacturers with the generation, transmission and control of driver settings.

These include current, corridorFUNCTION, chronoSTEP, Constant Light Output, DC level for emergency lighting, etc.. The companionSUITE is compatible with all common interfaces like DALI-2 or NFC. Their objective is to optimise processes in the long-term and counteract production errors. During subsequent quality management, Tridonic companionSUITE also makes it easier to analyse and correct potential sources of error.



deviceGENERATOR

This intuitive software enables users to create individual profiles with ease. This ensures that every driver receives the right setting in the next step. Thanks to regular updates and consistent further development, the software is always up to date.

The web based tool can be opened via: <https://devicegenerator.tridonic.com>



deviceCONFIGURATOR

Using this program, production employees can easily and securely transfer defined settings to the driver. To avoid errors to the highest degree possible, the deviceCONFIGURATOR has a special function package consisting of a traffic light function and a barcode scan for reliable identification of the driver. There is also the option of checking written parameters via DALI and NFC.

The application is available to download from our website: <https://www.tridonic.com/com/en/software.asp>



deviceANALYSER*

This software was designed to make it easier for luminaire manufacturers to analyse errors in the event of a return. All parameters can be read out using the driver and compared with the original configuration. Deviations, which occurred at the luminaire's place of use, are marked automatically.

* Coming in Autumn 2018

Overview of LED systems compact

Examples for each luminaire category

Downlight

Engine DLE

- High system efficacy of up to 158 lm/W
- Dimming range from 1–100%
- Plug & Play – automatic luminous flux setting

System solution

- 1 x DLE G4 ADV
- 1 x LCAI 20W 350–900mA ECO SR



Spotlight

Engine SLE

- High system efficacy of up to 154 lm/W
- Excellent thermal management & outstanding luminance thanks to COB technology
- Dimming range from 1–100%
- Plug & Play – automatic luminous flux setting

System solution

- 1 x SLE ADV
- 1 x LCAI 35W 350–900mA ECO C



Wide Area

Engine QLE

- System efficacy of up to 168 lm/W
- Perfectly uniform light even if several LED modules are arranged one after the other
- Self-cooling
- Dimming range from 1–100%
- Integrated emergency lighting functionality

System solution

- 1 x QLE PREMIUM engine



Overview of LED systems linear/area

Examples for each luminaire category

Linear

Engine LLE

- System efficacy of up to 166 lm/W
- Perfectly uniform light even if several LED modules are arranged one after the other
- Dimming range from 1–100 %
- Integrated emergency lighting functionality

System solution

- 1 x LLE ADV
- 1 x LCAI 65W 150–400mA ECO Ip



Engine LLE FLEX

- Modul efficacy of up to 141 lm/W
- Great freedom of design thanks to 50/100 mm cut options
- Simple installation with thermal adhesive tape

System solution

- 1 x LLE FLEX
- 1 x LCU 35-180W 12/24V EXC



Floor | Wall

Engine CLE

- Module efficacy up to 181 lm/W
- Self-cooling
- Integrated emergency lighting functionality

System solution

- 1 x CLE PRE engine



ready2apply

Engine DLA, SLA

- System efficacy of up to 111 lm/W
- Self-cooling
- Complete ready-to-apply solution

System solution

- 1 x SLA G1 SNC
- 1 x LC 8W 220 mA phase cut SNC



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	Driver LC 17W 250–700mA flexC C EXC	38
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	Driver LC 25W 350–1050mA flexC SR EXC	50
	Driver LC 45W 500–1400mA flexC C EXC	52
	Driver LC 45W 500–1400mA flexC SC EXC	54
	Driver LC 45W 500–1400mA flexC SR EXC	57
	Driver LC 60W 900–1750mA flexC C EXC	59
	Driver LC 60W 900–1750mA flexC SR EXC	61
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	Driver LC 100W 1100–2100mA flexC SR EXC	65
Compact fixed output	Driver LC 15/20W 350/500mA fixC SC ADV	67
ADVANCED series	Driver LC 25/30/35/40W 600/700/800/900mA fixC C ADV	69
	Driver LC 25/30/35/40W 600/700/800/900mA fixC SC ADV	70
	Driver LC 47W 1050mA fixC SC ADV	72
	Driver LC 60W 1050mA fixC SC ADV	74
	Driver LC 20W 350/500/700mA flexC SR ADV	76
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	Driver LC 35W 350–500mA flexC SR ADV	79
	Driver LC 35W 500–800mA flexC SC ADV	81
	Driver LC 35W 700/800/1050mA flexC SR ADV	83
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Compact fixed output	Driver LC 18W 350mA UNV C ADV	95
ADVANCED series (UL certified)	Driver LC 21W 700mA UNV C ADV	96
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Compact fixed output	Driver LC 8W 180/200mA fixC SC SNC2	98
ESSENCE series	Driver LC 8W 180/200mA fixC SR SNC2	100
	Driver LC 10W 250/350/500/700mA fixC SC SNC2	101
	Driver LC 10W 250/350/500/700mA fixC SR SNC2	103
	Driver LC 15W 300/350mA fixC SC SNC2	104
	Driver LC 15W 300/350mA fixC SR SNC2	106

Compact fixed output ESSENCE series	Driver LC 25W 300/500/600/700mA fixC SC SNC2	107
	Driver LC 25W 300/500/600/700mA fixC SR SNC2	109
	Driver LC 30W 350/500/700mA fixC SC SNC2	110
	Driver LC 30W 350/500/700mA fixC SR SNC2	112
	Driver LC 35W 800mA fixC SC SNC2	113
	Driver LC 35W 800mA fixC SR SNC2	115
	Driver LC 40W 900/1050mA fixC SC SNC2	116
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	Driver LC 45W 1050mA fixC SC SNC2	119
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	Driver LC 50W 1200mA fixC SC SNC2	122
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	Driver LC 60W 700/140mA fixC SR SNC2	127
	Driver LC 10W 250mA fixC C SNC	128
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	Driver LC 15W 350mA fixC C SNC	133
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	Driver LC 20W 350mA fixC C SNC	135
	Driver LC 20W 350mA fixC SR SNC	136
	Driver LC 20W 500/700mA fixC SR SNC	137
	Driver LC 25/30W 600/700mA fixC SC SNC	138
	Driver LC 30W 700mA fixC C SNC	140
	Driver LC 30W 700mA fixC SR SNC	141
	Driver LC 35W 350/500/800/1050mA fixC C SNC	142
	Driver LC 35W 350/500/800/1050mA fixC SR SNC	143
	Driver LC 35/40/42W 800/900/1050mA fixC SC SNC	144
	Driver LC 40W 900mA fixC C SNC	146
	Driver LC 40W 900mA fixC SR SNC	147
	Driver LC 45W 1050mA fixC C SNC	148
Driver LC 45W 1050mA fixC SR SNC	149	
Driver LC 50/60W 1200/700/1400mA fixC C SNC	150	
Driver LC 50/60W 1200/700/1400mA fixC SR SNC	151	
Linear / area fixed output EXCITE series SELV	Driver LC 25W 100–500mA flexC Ip EXC	152
	Driver LC 50W 350–1050mA flexC Ip EXC	154
	Driver LC 75W 900–1800mA flexC Ip EXC	156
Linear / area fixed output EXCITE series non-SELV	Driver LC 50W 100–400mA flexC Ip EXC	158
	Driver LC 75W 100–400mA flexC Ip EXC	160
	Driver LC 75W 250–550mA flexC Ip EXC	162
	Driver LC 75W 350–1050mA flexC Ip EXC	164
	Driver LC 100W 250–700mA flexC Ip EXC	166
Linear / area fixed output ADVANCED series SELV	Driver LC 19W 250–350mA flexC Ip ADV	168
	Driver LC 38W 500–700mA flexC Ip ADV	170
	Driver LC 57W 800–1050mA flexC Ip ADV	172
	Driver LC 81W 1200–1750mA flexC Ip ADV	174
Linear / area fixed output ADVANCED series non-SELV	Driver LC 38W 250–350mA flexC Ip ADV	176
	Driver LC 38W 350–500mA flexC Ip ADV	178
	Driver LC 53W 250–350mA flexC Ip ADV	180
	Driver LC 69W 350–500mA flexC Ip ADV	182
	Driver LC 71W 250–350mA flexC Ip ADV	184
	Driver LC 112W 250–350mA flexC Ip ADV	186
	Driver LC 165W 400–700mA flexC Ip ADV	188

Linear / area fixed output ESSENCE series SELV	Driver LC 7W 250mA fixC Ip SNC2	190
	Driver LC 9W 300mA fixC Ip SNC2	191
	Driver LC 10W 350mA fixC Ip SNC2	192
	Driver LC 14W 250mA fixC Ip SNC2	193
	Driver LC 16W 300mA fixC Ip SNC2	194
	Driver LC 19W 350mA fixC Ip SNC2	195
	Driver LC 27W 500mA fixC Ip SNC2	196
	Driver LC 32W 600mA fixC Ip SNC2	197
	Driver LC 38W 700mA fixC Ip SNC2	198
	Driver LC 43W 800mA fixC Ip SNC2	199
	Driver LC 49W 900mA fixC Ip SNC2	200
	Driver LC 57W 1050mA fixC Ip SNC2	201
	Driver LC 65W 1200mA fixC Ip SNC2	202
	Driver LC 75W 1400mA fixC Ip SNC2	203
	Driver LC 10W 350mA fixC Ip SNC	204
Linear / area fixed output ESSENCE series non-SELV	Driver LC 25W 250/300/350/500mA fixC Ip SNC	205
	Driver LC 35W 250/300/350/700mA fixC Ip SNC	206
	Driver LC 50W 250/300/350/700/1050mA fixC Ip SNC	207
	Driver LC 65W 300mA fixC Ip SNC	208
	Driver LC 65W 700/1050/1400/1750mA fixC Ip SNC	209
	Driver LC 75W 350mA fixC Ip SNC	210
	Driver LC 80W 1050/1400/1750mA fixC Ip SNC	211
Compact dimming PREMIUM series	Driver LCA 10W 150–400mA one4all C PRE	212
	Driver LCA 10W 150–400mA one4all SC PRE	214
	Driver LCA 10W 150–400mA one4all SR PRE	217
	Driver LCA 17W 250–700mA one4all C PRE	219
	Driver LCA 17W 250–700mA one4all SC PRE	221
	Driver LCA 17W 250–700mA one4all SR PRE	224
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	Driver LCA 60W 900–1750mA one4all SR PRE	246
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Compact dimming EXITE series (UL certified)	Driver LC 35W 150–700mA 54V 0–10V C EXC UNV	252
	Driver LC 50W 350–1050mA 54V 0–10V C EXC UNV	254
Compact dimming ADVANCED series	Driver LCA 10W 450mA phase-cut 22mm SR ADV	256
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	Driver LCA 15W 180–350mA flexC PH-C SR ADV	258
	Driver LCA 21W 300–500mA flexC PH-C SR ADV	259
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	Driver LCBI 10W 180/350/500mA PHASE-CUT/1–10V SR	261
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	Driver LCBI 15W 350/500/700mA BASIC PHASE-CUT Ip	264
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Linear / area dimming	Driver LCA 35W 150–700mA one4all Ip PRE	274
PREMIUM series SELV	Driver LCA 50W 350–1050mA one4all Ip PRE	276
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	Driver LCA 75W 350–1050mA one4all Ip PRE	290
	Driver LCA 100W 250–700mA one4all Ip PRE	292
Linear / area dimming	Driver LC 35W 150–700mA 54V 0–10V Ip EXC UNV	294
EXCITE SELV series (UL certified)	Driver LC 50W 350–1050mA 54V 0–10V Ip EXC UNV	296
	Driver LC 75W 900–1800mA 54V 0–10V Ip EXC UNV	298
Linear / area dimming	Driver LCA 75W 100–400mA 1-10V Ip EXC	300
EXCITE series non-SELV	Driver LCA 75W 250–550mA 1-10V Ip EXC	302
Linear / area dimming	Driver LC 35W 700mA 0-10V UNV sl ADV	304
ADVANCED series SELV (UL certified)	Driver LC 40W 1050mA 0-10V UNV sl ADV	306
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Tunable White	Driver LCA 50W 350–1050mA DT8 Ip PRE	309
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Compact fixed output outdoor	Driver LCI 15W 350/500/700mA M020	313
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PREMIUM outdoor series	Driver LCA 60W 350–1050mA one4all C PRE OTD	317
	Driver LCA 75W 250–750mA one4all C PRE OTD	320
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	Driver LCO 40W 200–1050mA 64V one4all NF C EXC3	333
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ADVANCED outdoor series (UL certified)	Driver LCO 12W 350/700mA pc C ADV UNV	339
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	Driver LCO 25W 350/500/700/1050/1400mA 0–10V C ADV UNV	343
	Driver LCO 40W 700/1000/1400mA 0–10V C ADV UNV	345
	Driver LCO 50W 700/1050/1250/1400/2100mA 0–10V C ADV UNV	347
	Driver LCO 75W 350/700/1050/1560/1790/2080mA 0–10V C ADV UNV	349
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Compact dimming outdoor	Driver LCO 14W 100–500mA 38V NF C ADV3	355
ADVANCED outdoor series	Driver LCO 24W 200–1050mA 39V NF C ADV3	357
	Driver LCO 40W 200–1050mA 64V NF C ADV3	359
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Linear / area fixed output outdoor ADVANCED series	Driver LCI 65W 350/500/700/1050mA OTD EC	369
	Driver LCI 100W 350/500/700/1050mA OTD EC	370
	Driver LCI 150W 350/500/700/1050mA OTD EC	371
Linear / area fixed output outdoor ESSENCE outdoor series	Driver LCO 75W 500/700/1050/1400mA fixC L SNC2	372
	Driver LCO 100W 500/700/1050/1400mA fixC L SNC2	373
	Driver LCO 150W 500/700/1050/1400mA fixC L SNC2	374
	Driver LCO 200W 500/700/1050/1400mA fixC L SNC2	375
Linear / area fixed output industry EXCITE series non-SELV	Driver LC 150W 200–1050mA IND sl EXC	376
	Driver LC 150W 200–1050mA sl EXC	378
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	Driver LCA 100W 24V one4all SC PRE	408
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	Driver LCU 100/96W 12/24V IP20 EXC	416
	Driver LCU 180W 24V IP20 EXC	418
Constant voltage ADVANCED series	Driver LCBU 10W 12V BASIC phase-cut SR	419
	Driver LCBU 25W 12V BASIC phase-cut SR	420
Constant voltage ADVANCED series (UL certified)	Driver LC 100/24V Ip ADV UNV	421
Constant voltage ESSENCE series	Driver LC 60W 24V SC SNC	422
	Driver LC 60W 24V Ip SNC	424
	Driver LC 100W 24V SC SNC	426
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Constant voltage LCU indoor IP20 series	Driver LCU 150W 12V indoor IP20	430
DC-String Fixed output	Driver LCU 48V 75W DC-STR FO SR	431
	Driver LCU 48V 75W DC-STR FO Ip	432
	Driver LCU 48V 150W DC-STR FO SR	433
	Driver LCU 48V 150W DC-STR FO Ip	434
	LMI G2 48V 350–700mA 3–20V FO Slim	435
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	LMI 48V 350–700mA 20–42V FO Regular	437
	LMI 48V 350–700mA 20–42V FO Slim	438

DC-String Dimming	Driver LCU 48V 75W DC-STR DIM SR	439
	Driver LCU 48V 75W DC-STR DIM Ip	440
	Driver LCU 48V 150W DC-STR DIM SR	441
	Driver LCU 48V 150W DC-STR DIM Ip	442
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Product overview LED Driver fixed output

Compact

**Driver EXCITE series**

Compact fixed output

The driver EXCITE series feature the programmable ready2mains interface.

- Cost-efficient, simple installation without additional cabling or DALI addressing
- High efficiency of up to 92 %
- Large number of designs including the new Stretched Compact housing with attachable cable clamp

**Driver ADVANCED series**

Compact fixed output

The driver ADVANCED series offers the best compromise between attractive price and professional performance.

- Focus on core functionalities with superior quality and performance
- Nominal life-time up to 50,000 h
- Temperature protection as per EN 61347-2-13 C5e
- Overtemperature-, Overload-, Short-circuit- and No-load protection

**Driver ESSENCE series**

Compact fixed output

The driver ESSENCE series provides the best compromise between an attractive price and qualified performance.

- Focus on application-related functions with Tridonic proven quality and performance
- Full power range to cover all applications and requirements
- Installation friendly and flexible
- For luminaires of protection class I and protection class II

Product overview LED Driver fixed output

Linear / area

**Driver EXCITE series**

Linear / area fixed output

The driver EXCITE series feature the programmable ready2mains interface.

- Cost-efficient, simple installation without additional cabling or DALI addressing
- Nominal life-time up to 100,000 h
- High efficiency of up to 95 %

**Driver ADVANCED series**

Linear / area fixed output

The driver ADVANCED series offers the best compromise between attractive price and professional performance.

- Focus on core functionalities with superior quality and performance
- Nominal life-time up to 50,000 h
- Temperature protection as per EN 61347-2-13 C5e
- Overtemperature-, Overload-, Short-circuit- and No-load protection

**Driver ESSENCE series**

Linear / area fixed output

The driver ESSENCE series provides the best compromise between an attractive price and qualified performance.

- Focus on application-related functions with Tridonic proven quality and performance
- Full power range to cover all applications and requirements
- Installation friendly and flexible
- For luminaires of protection class I and protection class II

Product overview LED Driver dimming

Compact

**Driver PREMIUM series**

Compact dimming

Driver PREMIUM is a future-proof generation of LED Drivers characterized by highly advanced functionality and outstanding dimming behaviour.

- Best dimming quality from 1 – 100 %
- High efficiency of up to 92 %
- New ready2mains technology permits configuration and dimming via the mains
- Large number of designs including the new Stretched Compact housing with attachable cable clamp

**Driver EXCITE series (UL certified)**

Compact dimming

The dimmable driver EXCITE series features a dimming option via the 0 ... 10 V interface.

- UL certified (only for US applications)
- Dimming range 1 – 100 %
- High efficiency up to 90 %
- Nominal life-time up to 100,000 h

**Driver ADVANCED phase-cut series**

Compact dimming

Driver phase-cut series provides dimming convenience for spotlight applications and accent or decorative lighting. It also enables the simple upgrading from inefficient low voltage halogen lamps to modern LED modules and retrofit lamps – with the existing infrastructure as well.

- Specially designed for use in existing systems with dimming (trailing-edge phase dimmers)
- Dimming range 10–100 % (depending on dimmer)
- Long life-time of 50,000 h
- Perfect system solution with Module SLE and CLE attachable cable clamp

Product overview LED Driver dimming

Linear / area

**Driver PREMIUM series**

Linear / area dimming

Driver PREMIUM is a future-proof generation of LED Drivers characterized by highly advanced functionality and outstanding dimming behaviour.

- Best dimming quality from 1 – 100 %
- High efficiency of up to 93 %
- New ready2mains technology permits configuration and dimming via the mains
- Large number of designs including the new Stretched Compact housing with attachable cable clamp

**Driver EXCITE series**

Linear / area dimming

The dimmable driver EXCITE series features a dimming option via the 1 ... 10 V interface.

- Dimming range 10 – 100 % (depending on load)
- High efficiency up to 94 %
- Nominal life-time up to 100,000 h

**Driver ADVANCED series**

Linear / area dimming

The dimmable driver ADVANCED series features a dimming option via the 0 ... 10 V interface.

- Dimming range 10 – 100 %
- High efficiency up to 93 %
- Universal voltage: suitable for all common electric power supply networks

**Driver Tunable White series**

Linear / area dimming

Tunable White simulates the natural course of daylight, noticeably improving well-being and concentration. It does this using light colours ranging from cool-white to warm-white, allowing a high degree of individuality through variable adjustment.

- Dimming range 3 – 100 %
- High efficiency up to 90 %
- colourSWITCH and switchDIM
- Nominal life-time up to 100,000 h

Product overview LED Driver constant voltage

**Driver PREMIUM series**

Constant voltage

The driver PREMIUM series with stretched compact or linear low profile housings provide the appropriate output for flexible lighting strips.

- Constant-voltage LED Driver 24 V
- Dimming via one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION) and ready2mains interface
- Stretched compact housing with strain relief to pin or slim linear low profile form-factor
- Type of protection IP20
- Long lifetime of up to 50,000 hours
- 5-year guarantee

**Driver EXCITE indoor IP20 series**

Constant voltage

The driver EXCITE indoor IP20 series provides LED Driver with small dimensions for maximum flexibility without compromising on the traditional robustness and durability.

- Small robust design with plastic housing
- High efficiency of up to 92 %
- Nominal life-time up to 50,000 h
- 5-year guarantee

**Driver ESSENCE series**

Constant voltage

The driver ESSENCE series with stretched compact or linear low profile housings provide the appropriate output for flexible lighting strips.

- Constant-voltage LED Driver 24V
- Dimmable via PWM LED dimmers
- Stretched compact housing with strain relief to pin or slim linear low profile form-factor
- Type of protection IP20
- Long lifetime of up to 50,000 hours
- 5-year guarantee

**Driver LCU indoor IP20 series**

Constant voltage

The LCU LED Driver for constant voltage offer reliability and exemplary functionality in indoor applications.

- Long life-time of 50,000 h
- Input voltage range from 108 – 264 V AC
- Complies with EMC requirements for lighting equipment

Product overview LED Driver DC-String

**Engine DC-String**

Dimming



Modern LED technology not only provides maximum efficiency and long life for the luminaire, but also enables luminaires to be miniaturized. With its new Engine DC-String, Tridonic has the solution to minimize shapes and therefore maximize ceiling harmonics.

- Miniaturization of luminaires and tracks
- Individual luminaire control via the DC power lines
- Safe and easy luminaire exchange by everyone

**Engine DC-String**

Fixed output



Modern LED technology not only provides maximum efficiency and long life for the luminaire, but also enables luminaires to be miniaturized. With its new Engine DC-String, Tridonic has the solution to minimize shapes and therefore maximize ceiling harmonics.

- Miniaturization of luminaires and tracks
- Individual luminaire control via the DC power lines
- Safe and easy luminaire exchange by everyone

Product / function matrix

Portfolio		PREMIUM	EXCITE	ADVANCED	ESSENCE
Dimming	Dimming interface	one4all, ready2mains	ready2mains, 1–10 V ¹⁾	phase-cut, 1–10 V	
	Dimming range (method)	Standard: 1–100% (AM) Outdoor: 10–100% (AM)	15–100% (AM)	phase-cut: 5–100% 0–10 V: 10–100%	
	DALI DT6 / DSI / switchDIM / corridorFUNCTION	yes			
DC operation	Supporting EN 50172	yes	yes		
	DC level adjustable	yes			
Output current	Adjustable via resistor plug	yes (I-Select 2)	yes (I-Select 2)	yes (ADV Plug)	
	Adjustable via ready2mains	yes	yes		
	Adjustable via DALI	yes			
	Current tolerances	± 3%	± 5%	phase-cut: ± 7,5 % 0–10 V: ± 5 %	± 7.5%
Functions & Performance	Configuration via ready2mains	yes	yes		
	Constant light output over life-time	yes			
	Intelligent Temperature Guard	yes	yes	yes	yes
	Stand-by losses	< 0.15 W			
	Output current ripple (LF)	± 5%	± 5%	± 5 / 30 %	± 10 / 20 / 30 / 40 %
	Form factors	C, SC, SR, Ip	C, SC, SR, Ip	C, SC, SR, Ip	C, SC, SR, Ip
	Operating temperature range	-25 ... +60 °C ²⁾	-25 ... +60 °C ²⁾	-20 ... +50 °C ²⁾	-20 ... +50 °C ²⁾
	Life-time up to	100,000 h	100,000 h	50,000 h	30,000 / 50,000 h ¹⁾
Guarantee	5 years	5 years	5 years	3 / 5 years ¹⁾	

¹⁾ Only for certain variants.

²⁾ Varies with the selected output power. Detailed values according to data sheet.

**Driver LC 10W 150–400mA flexC C EXC**

EXCITE series

Product description

- Constant current LED Driver
- Adjustable output current between 150 and 400 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 10 W
- Up to 82 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 45° push terminals

Functions

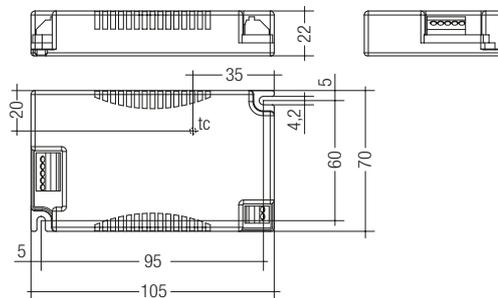
- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For downlight, spotlight and decorative applications
- For product data sheet go to www.tridonic.com, or available on request

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Oversvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	56.7 mA
Typ. current (220 V, 0 Hz, full load)	54.8 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	12.2 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	82 %
λ (at 230 V, 50 Hz, full load)	0.93
Typ. input current in no-load operation	12 mA
Typ. input power in no-load operation	0.6 W
In-rush current (peak / duration)	16 A / 216 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ²⁾	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 30 %
Output LF current ripple (< 120 Hz)	< 5 %
Max. output voltage (no-load voltage)	60 V
Suitable for burst / surge peaks up to (between L – N)	1 kV
Suitable for burst / surge peaks up to (between L/N – PE)	2 kV
Burst / surge peaks output side against PE	< 500 V
Dimensions L x W x H	105 x 70 x 22 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 10W 150-400mA flexC C EXC	28000692	10 pc(s).	1,120 pc(s).	0.119 kg

Specific technical data

Type	Output current ²⁾⁴⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select 2 resistor value ³⁾
LC 10W 150-400mA flexC C EXC	150 mA	15 V	40.0 V	6 W	8.0 W	40 mA	75 °C	-25 ... +60 °C	open
	175 mA	15 V	40.0 V	7 W	9.1 W	44 mA	75 °C	-25 ... +60 °C	28.6 kΩ
	200 mA	15 V	40.0 V	8 W	10.1 W	48 mA	75 °C	-25 ... +60 °C	25.0 kΩ
	225 mA	15 V	40.0 V	9 W	11.1 W	53 mA	75 °C	-25 ... +60 °C	22.2 kΩ
	250 mA	15 V	40.0 V	10 W	12.2 W	57 mA	75 °C	-25 ... +60 °C	20.0 kΩ
	275 mA	15 V	36.3 V	10 W	12.2 W	57 mA	75 °C	-25 ... +60 °C	18.2 kΩ
	300 mA	15 V	33.3 V	10 W	12.2 W	57 mA	75 °C	-25 ... +60 °C	16.7 kΩ
	325 mA	15 V	30.7 V	10 W	12.2 W	57 mA	75 °C	-25 ... +60 °C	15.4 kΩ
	350 mA	15 V	28.6 V	10 W	12.2 W	57 mA	75 °C	-25 ... +60 °C	14.3 kΩ
	375 mA	15 V	26.7 V	10 W	12.2 W	57 mA	75 °C	-25 ... +60 °C	13.3 kΩ
	400 mA	15 V	25.0 V	10 W	12.2 W	57 mA	75 °C	-25 ... +60 °C	short circuit (0 Ω)

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 150MA BL	28001102	Blue	0150 mA	150 mA	33.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 200MA BL	28001104	Blue	0200 mA	200 mA	25.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LC 10W 150–400mA flexC SC EXC

EXCITE series

Product description

- Constant current LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Adjustable output current between 150 and 400 mA
- via ready2mains Programmer or I-select 2 plugs
- Max. output power 10 W
- Up to 83 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 45° push terminals

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

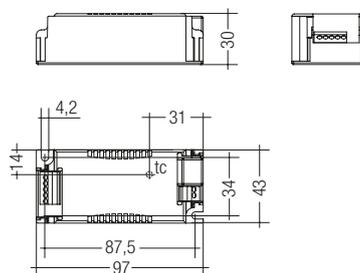
- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For downlight, spotlight and decorative applications
- For product data sheet go to www.tridonic.com, or available on request



With strain-relief



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Oversvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	56.3 mA
Typ. current (220 V, 0 Hz, full load)	54.5 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	12 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	83 %
λ (at 230 V, 50 Hz, full load)	0.92
Typ. input current in no-load operation	12.5 mA
Typ. input power in no-load operation	0.5 W
In-rush current (peak / duration)	8 A / 283 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ²⁾	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 35 %
Output LF current ripple (< 120 Hz)	< 5 %
Max. output voltage (no-load voltage)	60 V
Suitable for burst / surge peaks up to (between L – N)	1 kV
Suitable for burst / surge peaks up to (between L/N – PE)	2 kV
Burst / surge peaks output side against PE	< 500 V
Dimensions L x W x H	97 x 43 x 30 mm

Ordering data

Type	Article number	Packaging carton	Packaging pallet	Weight per pc.
LC 10W 150-400mA flexC SC EXC	28000704	10 pc(s).	1,400 pc(s).	0.093 kg



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ²⁾⁴⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select 2 resistor value ³⁾
LC 10W 150-400mA flexC SC EXC	150 mA	15 V	40.0 V	6 W	7.6 W	39 mA	75 °C	-25 ... +60 °C	open
	175 mA	15 V	40.0 V	7 W	8.7 W	43 mA	75 °C	-25 ... +60 °C	28.6 kΩ
	200 mA	15 V	40.0 V	8 W	9.9 W	48 mA	75 °C	-25 ... +60 °C	25.0 kΩ
	225 mA	15 V	40.0 V	9 W	10.8 W	52 mA	75 °C	-25 ... +60 °C	22.2 kΩ
	250 mA	15 V	40.0 V	10 W	12.0 W	56 mA	75 °C	-25 ... +60 °C	20.0 kΩ
	275 mA	15 V	36.3 V	10 W	12.0 W	56 mA	75 °C	-25 ... +60 °C	18.2 kΩ
	300 mA	15 V	33.3 V	10 W	12.0 W	56 mA	75 °C	-25 ... +60 °C	16.7 kΩ
	325 mA	15 V	30.7 V	10 W	12.0 W	56 mA	75 °C	-25 ... +60 °C	15.4 kΩ
	350 mA	15 V	28.6 V	10 W	12.0 W	56 mA	75 °C	-25 ... +60 °C	14.3 kΩ
	375 mA	15 V	26.7 V	10 W	12.0 W	56 mA	75 °C	-25 ... +60 °C	13.3 kΩ
	400 mA	15 V	25.0 V	10 W	12.0 W	56 mA	75 °C	-25 ... +60 °C	short circuit (0 Ω)

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.



**ACCES-
SORIES**

Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



ACU SC 30x43x30mm CLIP-ON SR SET (28001168, non-pre-assembled)



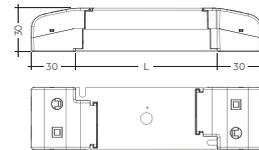
ACU SC 30x43x30mm CLIP-ON SR SET 300 (28001351, non-pre-assembled, 300 pcs. packaging)



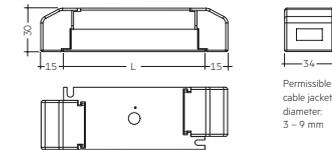
ACU SC 30x43x30mm CLIP-ON SR PA (28001699, pre-assembled)



ACU SC 15x43x30mm CLIP-ON SR PA (28001574, pre-assembled)



ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.

28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.

28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).

RoHS

ACCESSORIES

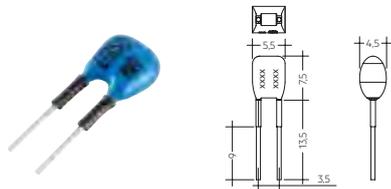
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 150MA BL	28001102	Blue	0150 mA	150 mA	33.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 200MA BL	28001104	Blue	0200 mA	200 mA	25.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 k Ω	10 pc(s).	0.001 kg

IP20 SELV



Driver LC 10W 150–400mA flexC SR EXC

EXCITE series

Product description

- Constant current LED Driver
- Adjustable output current between 150 and 400 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 10 W
- Up to 82 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20
- Strain relief with loop through function

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 45° / 0° push terminals

Functions

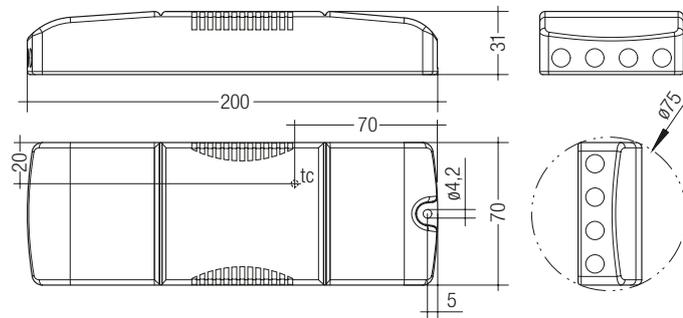
- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172
- For cable cross-sections up to 2.5 mm²

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee
- No tools required for installation

Typical applications

- For downlight, spotlight and decorative applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	56.7 mA
Typ. current (220 V, 0 Hz, full load)	54.8 mA
Leakage current (at 230 V, 50 Hz, full load) ²⁾	< 250 µA
Max. input power	12.2 W
Typ. efficiency (at 230 V, 50 Hz, full load) ³⁾	82 %
λ (at 230 V, 50 Hz, full load)	0.93
Typ. input current in no-load operation	12 mA
Typ. input power in no-load operation	0.6 W
In-rush current (peak / duration)	16 A / 216 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ⁴⁾	± 5 %
Max. output current peak (non-repetitive)	± output current + 35 %
Output LF current ripple (< 120 Hz)	< 5 %
Max. output voltage (no-load voltage)	60 V
Suitable for burst / surge peaks up to (between L – N)	1 kV
Suitable for burst / surge peaks up to (between L/N – PE)	2 kV
Burst / surge peaks output side against PE	< 500 V
Dimensions L x W x H	200 x 70 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 10W 150-400mA flexC SR EXC	28000698	10 pc(s).	400 pc(s).	0.186 kg



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ²⁾⁴⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ³⁾
LC 10W 150-400mA flexC SR EXC	150 mA	15 V	40.0 V	6 W	8.0 W	40 mA	75 °C	-25 ... +60 °C	open
	175 mA	15 V	40.0 V	7 W	9.1 W	44 mA	75 °C	-25 ... +60 °C	28.6 kΩ
	200 mA	15 V	40.0 V	8 W	10.1 W	48 mA	75 °C	-25 ... +60 °C	25.0 kΩ
	225 mA	15 V	40.0 V	9 W	11.1 W	53 mA	75 °C	-25 ... +60 °C	22.2 kΩ
	250 mA	15 V	40.0 V	10 W	12.2 W	57 mA	75 °C	-25 ... +60 °C	20.0 kΩ
	275 mA	15 V	36.3 V	10 W	12.2 W	57 mA	75 °C	-25 ... +60 °C	18.2 kΩ
	300 mA	15 V	33.3 V	10 W	12.2 W	57 mA	75 °C	-25 ... +60 °C	16.7 kΩ
	325 mA	15 V	30.7 V	10 W	12.2 W	57 mA	75 °C	-25 ... +60 °C	15.4 kΩ
	350 mA	15 V	28.6 V	10 W	12.2 W	57 mA	75 °C	-25 ... +60 °C	14.3 kΩ
	375 mA	15 V	26.7 V	10 W	12.2 W	57 mA	75 °C	-25 ... +60 °C	13.3 kΩ
	400 mA	15 V	25.0 V	10 W	12.2 W	57 mA	75 °C	-25 ... +60 °C	short circuit (0 Ω)

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

RoHS

ACCESSORIES

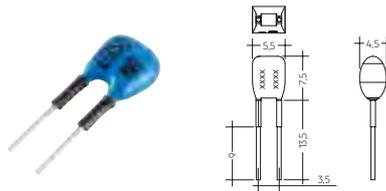
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 150MA BL	28001102	Blue	0150 mA	150 mA	33.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 200MA BL	28001104	Blue	0200 mA	200 mA	25.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LC 17W 250–700mA flexC C EXC

EXCITE series

Product description

- Constant current LED Driver
- Adjustable output current between 250 and 700 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 17 W
- Up to 84 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 45° push terminals

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

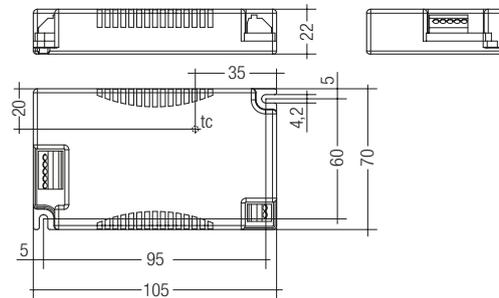
- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For downlight, spotlight and decorative applications
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	94 mA
Typ. current (220 V, 0 Hz, full load) ¹⁾	55 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	20.7 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	84 %
λ (at 230 V, 50 Hz, full load)	0.95
Typ. input current in no-load operation	17 mA
Typ. input power in no-load operation	0.6 W
In-rush current (peak / duration)	16 A / 219 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ⁴⁾	± 5 %
Max. output current peak (non-repetitive)	± output current + 35 %
Output LF current ripple (< 120 Hz)	< 5 %
Max. output voltage (no-load voltage)	60 V
Suitable for burst / surge peaks up to (between L – N)	1 kV
Suitable for burst / surge peaks up to (between L/N – PE)	2 kV
Burst / surge peaks output side against PE	< 500 V
Dimensions L x W x H	105 x 70 x 22 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 17W 250-700mA flexC C EXC	28000693	10 pc(s).	1,120 pc(s).	0.118 kg

Specific technical data

Type	Output current ²⁾⁴⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select 2 resistor value ³⁾
LC 17W 250-700mA flexC C EXC	250 mA	15 V	50.0 V	12.5 W	15.7 W	74 mA	80 °C	-25 ... +55 °C	open
	300 mA	15 V	50.0 V	15.0 W	18.1 W	85 mA	80 °C	-25 ... +55 °C	16.7 kΩ
	350 mA	15 V	48.6 V	17.0 W	20.4 W	94 mA	80 °C	-25 ... +55 °C	14.3 kΩ
	400 mA	15 V	42.5 V	17.0 W	20.3 W	94 mA	80 °C	-25 ... +55 °C	12.5 kΩ
	450 mA	15 V	37.8 V	17.0 W	20.2 W	93 mA	80 °C	-25 ... +55 °C	111 kΩ
	500 mA	15 V	34.0 V	17.0 W	20.3 W	94 mA	80 °C	-25 ... +55 °C	10.0 kΩ
	550 mA	15 V	30.9 V	17.0 W	20.2 W	93 mA	80 °C	-25 ... +55 °C	9.1 kΩ
	600 mA	15 V	28.3 V	17.0 W	20.2 W	93 mA	80 °C	-25 ... +55 °C	8.3 kΩ
	650 mA	15 V	26.2 V	17.0 W	20.2 W	93 mA	80 °C	-25 ... +55 °C	7.7 kΩ
	700 mA	15 V	24.3 V	17.0 W	20.1 W	93 mA	80 °C	-25 ... +55 °C	short circuit (0 Ω)

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

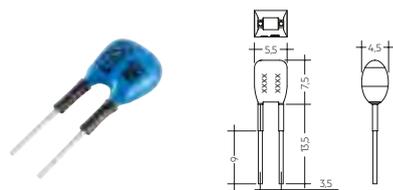
RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Driver LC 17W 250–700mA flexC SC EXC

EXCITE series

Product description

- Constant current LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Adjustable output current between 250 and 700 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 17 W
- Up to 86 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 45° push terminals

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

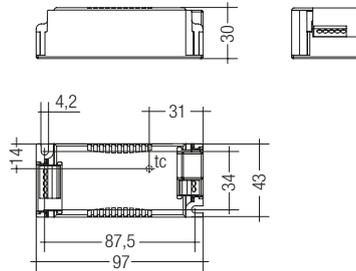
- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For downlight, spotlight and decorative applications
- For product data sheet go to www.tridonic.com, or available on request



With strain-relief



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	95 mA
Typ. current (220 V, 0 Hz, full load) ¹⁾	50 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	20.4 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	86 %
λ (at 230 V, 50 Hz, full load)	0.95
Typ. input current in no-load operation	17 mA
Typ. input power in no-load operation	0.6 W
In-rush current (peak / duration)	20 A / 200 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ⁴⁾	± 5 %
Max. output current peak (non-repetitive)	± output current + 35 %
Output LF current ripple (< 120 Hz)	< 5 %
Max. output voltage (no-load voltage)	60 V
Suitable for burst / surge peaks up to (between L – N)	1 kV
Suitable for burst / surge peaks up to (between L/N – PE)	2 kV
Burst / surge peaks output side against PE	< 500 V
Dimensions L x W x H	97 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 17W 250-700mA flexC SC EXC	28000705	10 pc(s).	1,400 pc(s).	0.093 kg



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

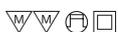
Type	Output current ^{2) 4)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select 2 resistor value ³⁾
LC 17W 250-700mA flexC SC EXC	250 mA	15 V	50 V	12.5 W	15.7 W	73 mA	75 °C	-25 ... +60 °C	open
	300 mA	15 V	50 V	15.0 W	18.3 W	85 mA	75 °C	-25 ... +60 °C	16.50 kΩ
	350 mA	15 V	49 V	17.0 W	20.7 W	95 mA	75 °C	-25 ... +60 °C	14.30 kΩ
	400 mA	15 V	43 V	17.0 W	20.8 W	95 mA	75 °C	-25 ... +60 °C	12.40 kΩ
	450 mA	15 V	38 V	17.0 W	20.8 W	95 mA	75 °C	-25 ... +60 °C	11.00 kΩ
	500 mA	15 V	34 V	17.0 W	20.7 W	95 mA	75 °C	-25 ... +60 °C	10.00 kΩ
	550 mA	15 V	31 V	17.0 W	20.6 W	95 mA	75 °C	-25 ... +60 °C	9.09 kΩ
	600 mA	15 V	28 V	17.0 W	20.5 W	95 mA	75 °C	-25 ... +60 °C	8.25 kΩ
	650 mA	15 V	26 V	17.0 W	20.5 W	95 mA	75 °C	-25 ... +60 °C	7.68 kΩ
	700 mA	15 V	24 V	17.0 W	20.4 W	95 mA	75 °C	-25 ... +60 °C	short circuit (0 Ω)

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.



ACCESSORIES **Strain-relief set 43x30mm**

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



ACU SC 30x43x30mm CLIP-ON SR SET (28001168, non-pre-assembled)



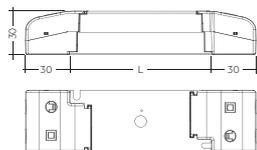
ACU SC 30x43x30mm CLIP-ON SR SET 300 (28001351, non-pre-assembled, 300 pcs. packaging)



ACU SC 30x43x30mm CLIP-ON SR PA (28001699, pre-assembled)

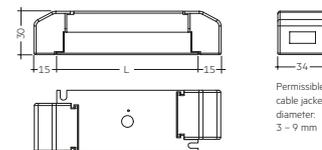


ACU SC 15x43x30mm CLIP-ON SR PA (28001574, pre-assembled)



Permissible cable jacket diameter: 2.2 - 9 mm

ACU SC 30x43x30mm CLIP-ON SR SET / PA



Permissible cable jacket diameter: 3 - 9 mm

ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging carton ¹⁾	Packaging outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.

28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.

28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).

RoHS

ACCESSORIES

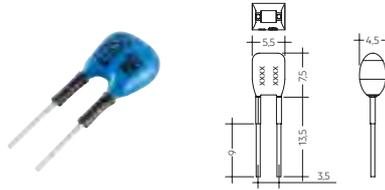
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 k Ω	10 pc(s).	0.001 kg



Driver LC 17W 250–700mA flexC SR EXC

EXCITE series

Product description

- Constant current LED Driver
- Adjustable output current between 250 and 700 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 17 W
- Up to 84 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20
- Strain relief with loop through function

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 45° / 0° push terminals

Functions

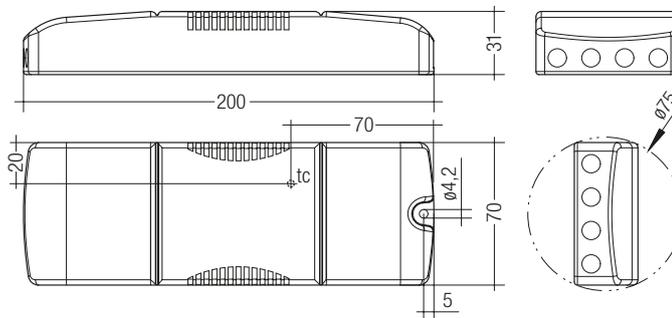
- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172
- For cable cross-sections up to 2.5 mm²

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For downlight, spotlight and decorative applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	94 mA
Typ. current (220 V, 0 Hz, full load) ¹⁾	55 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	20.7 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	84 %
λ (at 230 V, 50 Hz, full load)	0.95
Typ. input current in no-load operation	17 mA
Typ. input power in no-load operation	0.6 W
In-rush current (peak / duration)	16 A / 219 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ^{1) 4)}	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 35 %
Output LF current ripple (< 120 Hz)	< 5 %
Max. output voltage (no-load voltage)	60 V
Suitable for burst / surge peaks up to (between L – N)	1 kV
Suitable for burst / surge peaks up to (between L/N – PE)	2 kV
Burst / surge peaks output side against PE	< 500 V
Dimensions L x W x H	200 x 70 x 31 mm

Ordering data

Type	Article number	Packaging carton	Packaging pallet	Weight per pc.
LC 17W 250-700mA flexC SR EXC	28000699	10 pc(s).	400 pc(s).	0185 kg



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ²⁾⁴⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ³⁾
LC 17W 250-700mA flexC SR EXC	250 mA	15 V	50.0 V	12.5 W	15.7 W	74 mA	70 °C	-25 ... +55 °C	open
	300 mA	15 V	50.0 V	15.0 W	18.1 W	85 mA	70 °C	-25 ... +55 °C	16.7 kΩ
	350 mA	15 V	48.6 V	17.0 W	20.4 W	94 mA	70 °C	-25 ... +55 °C	14.3 kΩ
	400 mA	15 V	42.5 V	17.0 W	20.3 W	94 mA	70 °C	-25 ... +55 °C	12.5 kΩ
	450 mA	15 V	37.8 V	17.0 W	20.2 W	93 mA	70 °C	-25 ... +55 °C	11.1 kΩ
	500 mA	15 V	34.0 V	17.0 W	20.3 W	94 mA	70 °C	-25 ... +55 °C	10.0 kΩ
	550 mA	15 V	30.9 V	17.0 W	20.2 W	93 mA	70 °C	-25 ... +55 °C	9.1 kΩ
	600 mA	15 V	28.3 V	17.0 W	20.2 W	93 mA	70 °C	-25 ... +55 °C	8.3 kΩ
	650 mA	15 V	26.2 V	17.0 W	20.2 W	93 mA	70 °C	-25 ... +55 °C	7.7 kΩ
	700 mA	15 V	24.3 V	17.0 W	20.1 W	93 mA	70 °C	-25 ... +55 °C	short circuit (0 Ω)

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

RoHS

ACCESSORIES

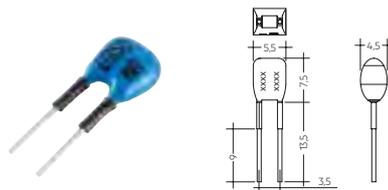
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg

**Driver LC 25W 350–1050mA flexC C EXC**

EXCITE series

Product description

- Constant current LED Driver
- Adjustable output current between 350 and 1,050 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 25 W
- Up to 86 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 45° push terminals

Functions

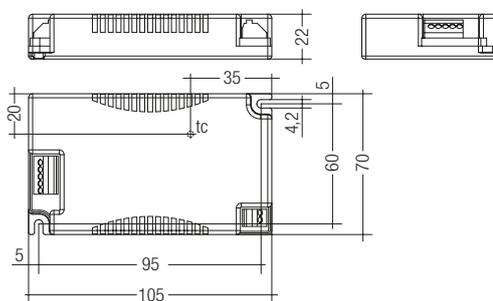
- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For downlight, spotlight and decorative applications
- For product data sheet go to www.tridonic.com, or available on request

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Oversvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	133 mA
Typ. current (220 V, 0 Hz, full load) ¹⁾	85 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	29.8 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	86 %
λ (at 230 V, 50 Hz, full load)	0.96
Typ. input current in no-load operation	17 mA
Typ. input power in no-load operation	0.5 W
In-rush current (peak / duration)	16 A / 219 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ²⁾	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 35 %
Output LF current ripple (< 120 Hz)	< 5 %
Max. output voltage (no-load voltage)	60 V
Suitable for burst / surge peaks up to (between L – N)	1 kV
Suitable for burst / surge peaks up to (between L/N – PE)	2 kV
Burst / surge peaks output side against PE	< 500 V
Dimensions L x W x H	105 x 70 x 22 mm

Ordering data

Type	Article number	Packaging carton	Packaging pallet	Weight per pc.
LC 25W 350-1050mA flexC C EXC	28000694	10 pc(s).	1,120 pc(s).	0.118 kg

Specific technical data

Type	Output current ^{2,4)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select 2 resistor value ³⁾
LC 25W 350-1050mA flexC C EXC	350 mA	20 V	50.0 V	17.5 W	21.5 W	100 mA	80 °C	-25 ... +55 °C	open
	400 mA	20 V	50.0 V	20.0 W	24.9 W	110 mA	80 °C	-25 ... +55 °C	12.5 kΩ
	450 mA	20 V	50.0 V	22.5 W	26.5 W	120 mA	80 °C	-25 ... +55 °C	111 kΩ
	500 mA	20 V	50.0 V	25.0 W	29.3 W	132 mA	80 °C	-25 ... +55 °C	10.0 kΩ
	550 mA	20 V	45.5 V	25.0 W	29.1 W	131 mA	80 °C	-25 ... +55 °C	9.1 kΩ
	600 mA	20 V	41.7 V	25.0 W	29.1 W	132 mA	80 °C	-25 ... +55 °C	8.3 kΩ
	650 mA	20 V	38.5 V	25.0 W	28.9 W	131 mA	80 °C	-25 ... +55 °C	7.7 kΩ
	700 mA	20 V	35.7 V	25.0 W	29.0 W	131 mA	80 °C	-25 ... +55 °C	7.1 kΩ
	750 mA	20 V	33.3 V	25.0 W	28.9 W	130 mA	80 °C	-25 ... +50 °C	6.7 kΩ
	800 mA	20 V	31.3 V	25.0 W	29.3 W	132 mA	80 °C	-25 ... +50 °C	6.3 kΩ
	850 mA	20 V	29.4 V	25.0 W	29.1 W	132 mA	80 °C	-25 ... +50 °C	5.9 kΩ
	900 mA	20 V	27.8 V	25.0 W	29.4 W	133 mA	80 °C	-25 ... +50 °C	5.6 kΩ
	950 mA	20 V	26.3 V	25.0 W	29.4 W	132 mA	80 °C	-25 ... +50 °C	5.3 kΩ
	1,000 mA	20 V	25.0 V	25.0 W	29.5 W	133 mA	80 °C	-25 ... +50 °C	5.0 kΩ
	1,050 mA	20 V	23.8 V	25.0 W	29.4 W	132 mA	80 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

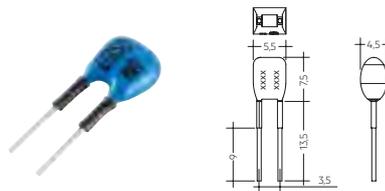
RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)

Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 kΩ	10 pc(s).	0.001 kg



Driver LC 25W 350–1050mA flexC SC EXC

EXCITE series

Product description

- Constant current LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Adjustable output current between 350 and 1,050 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 25 W
- Up to 86 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 45° push terminals

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

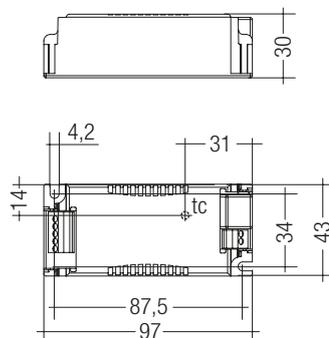
- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For downlight, spotlight and decorative applications
- For product data sheet go to www.tridonic.com, or available on request



With strain-relief



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	140 mA
Typ. current (220 V, 0 Hz, full load) ¹⁾	70 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	29 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	86 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Typ. input current in no-load operation	17 mA
Typ. input power in no-load operation	0.6 W
In-rush current (peak / duration)	20 A / 200 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ²⁾	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 35 %
Output LF current ripple (< 120 Hz)	< 5 %
Max. output voltage (no-load voltage)	60 V
Suitable for burst / surge peaks up to (between L – N)	1 kV
Suitable for burst / surge peaks up to (between L/N – PE)	2 kV
Burst / surge peaks output side against PE	< 500 V
Dimensions L x W x H	97 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 25W 350-1050mA flexC SC EXC	28000706	10 pc(s).	1,400 pc(s).	0.093 kg

Specific technical data

Type	Output current ²⁾⁴⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select 2 resistor value ³⁾
LC 25W 350-1050mA flexC SC EXC	350 mA	20 V	50 V	17.5 W	21 W	97 mA	75 °C	-25 ... +55 °C	open
	400 mA	20 V	50 V	20.0 W	23 W	106 mA	75 °C	-25 ... +55 °C	12.40 kΩ
	450 mA	20 V	50 V	22.5 W	26 W	118 mA	75 °C	-25 ... +55 °C	11.00 kΩ
	500 mA	20 V	50 V	25.0 W	29 W	133 mA	75 °C	-25 ... +50 °C	10.00 kΩ
	550 mA	20 V	45 V	25.0 W	29 W	133 mA	75 °C	-25 ... +50 °C	9.09 kΩ
	600 mA	20 V	42 V	25.0 W	29 W	133 mA	75 °C	-25 ... +50 °C	8.25 kΩ
	650 mA	20 V	38 V	25.0 W	29 W	133 mA	75 °C	-25 ... +50 °C	7.68 kΩ
	700 mA	20 V	36 V	25.0 W	29 W	133 mA	75 °C	-25 ... +50 °C	7.15 kΩ
	750 mA	20 V	33 V	25.0 W	29 W	132 mA	75 °C	-25 ... +50 °C	6.65 kΩ
	800 mA	20 V	31 V	25.0 W	29 W	132 mA	75 °C	-25 ... +50 °C	6.19 kΩ
	850 mA	20 V	29 V	25.0 W	29 W	132 mA	75 °C	-25 ... +50 °C	5.90 kΩ
	900 mA	20 V	28 V	25.0 W	29 W	132 mA	75 °C	-25 ... +50 °C	5.62 kΩ
	950 mA	20 V	26 V	25.0 W	29 W	130 mA	75 °C	-25 ... +50 °C	5.23 kΩ
	1,000 mA	20 V	25 V	25.0 W	29 W	130 mA	75 °C	-25 ... +50 °C	4.99 kΩ
	1,050 mA	20 V	24 V	25.0 W	29 W	130 mA	75 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.



**ACCES-
SORIES**

Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



ACU SC 30x43x30mm CLIP-ON SR SET (28001168, non-pre-assembled)



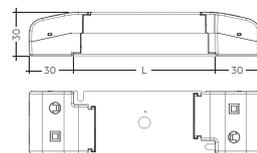
ACU SC 30x43x30mm CLIP-ON SR SET 300 (28001351, non-pre-assembled, 300 pcs. packaging)



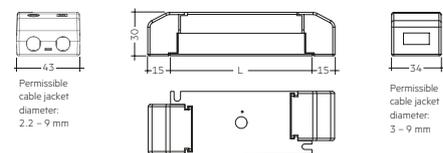
ACU SC 30x43x30mm CLIP-ON SR PA (28001699, pre-assembled)



ACU SC 15x43x30mm CLIP-ON SR PA (28001574, pre-assembled)



ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.

28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.

28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).

RoHS

ACCESSORIES

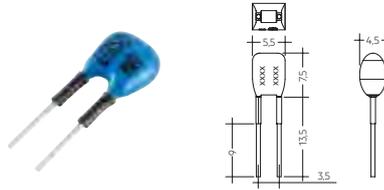
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 k Ω	10 pc(s).	0.001 kg

IP20 SELV                                            

Specific technical data

Type	Output current ^{2,4)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ³⁾
LC 25W 350-1050mA flexC SR EXC	350 mA	20 V	50.0 V	17.5 W	21.5 W	100 mA	70 °C	-25 ... +55 °C	open
	400 mA	20 V	50.0 V	20.0 W	24.9 W	110 mA	70 °C	-25 ... +55 °C	12.5 kΩ
	450 mA	20 V	50.0 V	22.5 W	26.5 W	120 mA	70 °C	-25 ... +55 °C	11.1 kΩ
	500 mA	20 V	50.0 V	25.0 W	29.3 W	132 mA	70 °C	-25 ... +55 °C	10.0 kΩ
	550 mA	20 V	45.5 V	25.0 W	29.1 W	131 mA	70 °C	-25 ... +55 °C	9.1 kΩ
	600 mA	20 V	41.7 V	25.0 W	29.1 W	132 mA	70 °C	-25 ... +55 °C	8.3 kΩ
	650 mA	20 V	38.5 V	25.0 W	28.9 W	131 mA	70 °C	-25 ... +55 °C	7.7 kΩ
	700 mA	20 V	35.7 V	25.0 W	29.0 W	131 mA	70 °C	-25 ... +55 °C	7.1 kΩ
	750 mA	20 V	33.3 V	25.0 W	28.9 W	130 mA	65 °C	-25 ... +50 °C	6.7 kΩ
	800 mA	20 V	31.3 V	25.0 W	29.3 W	132 mA	65 °C	-25 ... +50 °C	6.3 kΩ
	850 mA	20 V	29.4 V	25.0 W	29.1 W	132 mA	65 °C	-25 ... +50 °C	5.9 kΩ
	900 mA	20 V	27.8 V	25.0 W	29.4 W	133 mA	65 °C	-25 ... +50 °C	5.6 kΩ
	950 mA	20 V	26.3 V	25.0 W	29.4 W	132 mA	65 °C	-25 ... +50 °C	5.3 kΩ
	1,000 mA	20 V	25.0 V	25.0 W	29.5 W	133 mA	65 °C	-25 ... +50 °C	5.0 kΩ
	1,050 mA	20 V	23.8 V	25.0 W	29.4 W	132 mA	65 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 kΩ	10 pc(s).	0.001 kg



Driver LC 45W 500–1400mA flexC C EXC

EXCITE series

Product description

- Constant current LED Driver
- Adjustable output current between 500 and 1,400 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 45 W
- Up to 88 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 45° push terminals

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

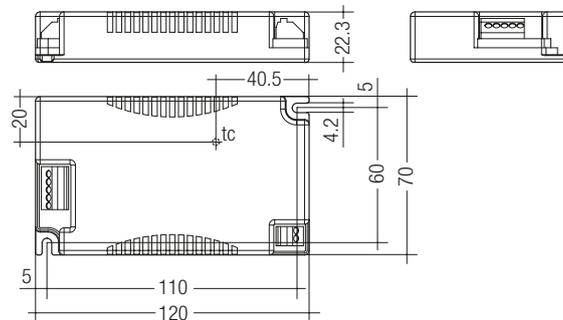
Typical applications

- For downlight, spotlight and decorative applications
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	230 mA
Typ. current (220 V, 0 Hz, full load)	173 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	51.5 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	88 %
λ (at 230 V, 50 Hz, full load)	0.95
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	0.59 W
In-rush current (peak / duration)	24.7 A / 268 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ²⁾	± 5 %
Max. output current peak (non-repetitive)	± output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Burst / surge peaks output side against PE	< 500 V
Dimensions L x W x H	120 x 70 x 22 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 45W 500-1400mA flexC C EXC	28000695	10 pc(s).	960 pc(s).	0.144 kg

Specific technical data

Type	Output current ²⁾³⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select 2 resistor value ⁴⁾
	500 mA	20 V	50.0 V	25.0 W	28.7 W	135 mA	85 °C	-25 ... +50 °C	open
	550 mA	20 V	50.0 V	27.5 W	31.3 W	146 mA	85 °C	-25 ... +50 °C	9.09 kΩ
	600 mA	20 V	50.0 V	30.0 W	34.4 W	158 mA	85 °C	-25 ... +50 °C	8.33 kΩ
	650 mA	20 V	50.0 V	32.5 W	36.8 W	169 mA	85 °C	-25 ... +50 °C	7.69 kΩ
	700 mA	20 V	50.0 V	35.0 W	39.6 W	180 mA	85 °C	-25 ... +50 °C	7.14 kΩ
	750 mA	20 V	50.0 V	37.5 W	41.9 W	190 mA	85 °C	-25 ... +50 °C	6.67 kΩ
	800 mA	20 V	50.0 V	40.0 W	44.5 W	201 mA	85 °C	-25 ... +50 °C	6.25 kΩ
	850 mA	20 V	50.0 V	42.5 W	47.4 W	213 mA	85 °C	-25 ... +50 °C	5.88 kΩ
	900 mA	20 V	50.0 V	45.0 W	50.0 W	224 mA	85 °C	-25 ... +50 °C	5.56 kΩ
LC 45W 500-1400mA flexC C EXC	950 mA	20 V	47.4 V	45.0 W	50.0 W	224 mA	85 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	20 V	45.0 V	45.0 W	50.3 W	225 mA	85 °C	-25 ... +50 °C	5.00 kΩ
	1,050 mA	20 V	42.9 V	45.0 W	50.2 W	225 mA	85 °C	-25 ... +50 °C	4.76 kΩ
	1,100 mA	20 V	40.9 V	45.0 W	50.9 W	228 mA	85 °C	-25 ... +50 °C	4.55 kΩ
	1,150 mA	20 V	39.1 V	45.0 W	50.9 W	228 mA	85 °C	-25 ... +50 °C	4.35 kΩ
	1,200 mA	20 V	37.5 V	45.0 W	50.2 W	225 mA	85 °C	-25 ... +50 °C	4.17 kΩ
	1,250 mA	20 V	36.0 V	45.0 W	50.8 W	227 mA	85 °C	-25 ... +50 °C	4.00 kΩ
	1,300 mA	20 V	34.6 V	45.0 W	50.9 W	230 mA	85 °C	-25 ... +50 °C	3.85 kΩ
	1,350 mA	20 V	33.3 V	45.0 W	51.3 W	229 mA	85 °C	-25 ... +50 °C	3.70 kΩ
	1,400 mA	20 V	32.1 V	45.0 W	51.5 W	230 mA	85 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Depending on the selected output current.

²⁾ Output current is mean value.

³⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁴⁾ Not compatible with I-select (generation 1).

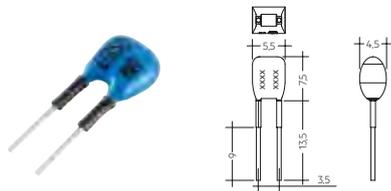
RoHS

ACCES-
SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)

Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1,000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1,050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LC 45W 500–1400mA flexC SC EXC

EXCITE series

Product description

- Constant current LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Adjustable output current between 500 and 1,400 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 45 W
- Up to 88 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 45° push terminals

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

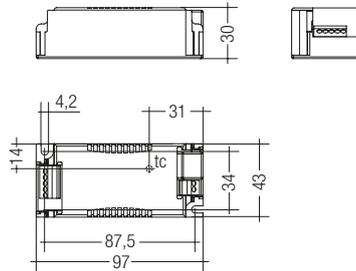
- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For downlight, spotlight and decorative applications
- For product data sheet go to www.tridonic.com, or available on request



With strain-relief



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	228 mA
Typ. current (220 V, 0 Hz, full load)	162 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	51.3 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	88 %
λ (at 230 V, 50 Hz, full load)	0.95
Typ. input current in no-load operation	17.3 mA
Typ. input power in no-load operation	0.58 W
In-rush current (peak / duration)	19.4 A / 250 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ²⁾	± 5 %
Max. output current peak (non-repetitive)	± output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Burst / surge peaks output side against PE	< 500 V
Dimensions L x W x H	115 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 45W 500-1400mA flexC SC EXC	28000707	10 pc(s).	1,000 pc(s).	0.124 kg



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ²⁾³⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select 2 resistor value ⁴⁾
	500 mA	20 V	50.0 V	25.0 W	28.6 W	132 mA	80 °C	-25 ... +45 °C	open
	550 mA	20 V	50.0 V	27.5 W	31.2 W	143 mA	80 °C	-25 ... +45 °C	9.09 kΩ
	600 mA	20 V	50.0 V	30.0 W	33.8 W	155 mA	80 °C	-25 ... +45 °C	8.33 kΩ
	650 mA	20 V	50.0 V	32.5 W	36.4 W	166 mA	80 °C	-25 ... +45 °C	7.69 kΩ
	700 mA	20 V	50.0 V	35.0 W	38.9 W	176 mA	80 °C	-25 ... +45 °C	7.14 kΩ
	750 mA	20 V	50.0 V	37.5 W	41.5 W	187 mA	80 °C	-25 ... +45 °C	6.67 kΩ
	800 mA	20 V	50.0 V	40.0 W	44.3 W	199 mA	80 °C	-25 ... +45 °C	6.25 kΩ
	850 mA	20 V	50.0 V	42.5 W	47.1 W	210 mA	80 °C	-25 ... +45 °C	5.88 kΩ
	900 mA	20 V	50.0 V	45.0 W	49.6 W	221 mA	80 °C	-25 ... +45 °C	5.56 kΩ
LC 45W 500-1400mA flexC SC EXC	950 mA	20 V	47.4 V	45.0 W	50.1 W	223 mA	80 °C	-25 ... +45 °C	5.26 kΩ
	1,000 mA	20 V	45.0 V	45.0 W	50.1 W	223 mA	80 °C	-25 ... +45 °C	5.00 kΩ
	1,050 mA	20 V	42.9 V	45.0 W	50.0 W	223 mA	80 °C	-25 ... +45 °C	4.76 kΩ
	1,100 mA	20 V	40.9 V	45.0 W	49.8 W	223 mA	80 °C	-25 ... +45 °C	4.55 kΩ
	1,150 mA	20 V	39.1 V	45.0 W	50.1 W	223 mA	80 °C	-25 ... +45 °C	4.35 kΩ
	1,200 mA	20 V	37.5 V	45.0 W	49.9 W	223 mA	80 °C	-25 ... +45 °C	4.17 kΩ
	1,250 mA	20 V	36.0 V	45.0 W	50.1 W	223 mA	80 °C	-25 ... +45 °C	4.00 kΩ
	1,300 mA	20 V	34.6 V	45.0 W	50.8 W	226 mA	80 °C	-25 ... +45 °C	3.85 kΩ
	1,350 mA	20 V	33.3 V	45.0 W	51.0 W	227 mA	80 °C	-25 ... +45 °C	3.70 kΩ
	1,400 mA	20 V	32.1 V	45.0 W	51.3 W	228 mA	80 °C	-25 ... +45 °C	short circuit (0 Ω)

¹⁾ Depending on the selected output current.

²⁾ Output current is mean value.

³⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁴⁾ Not compatible with I-select (generation 1).



**ACCES-
SORIES**

Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



ACU SC 30x43x30mm CLIP-ON SR SET (28001168, non-pre-assembled)



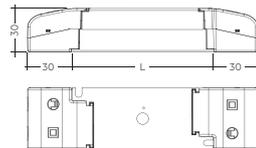
ACU SC 30x43x30mm CLIP-ON SR SET 300 (28001351, non-pre-assembled, 300 pcs. packaging)



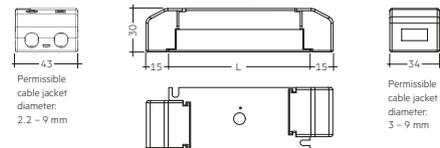
ACU SC 30x43x30mm CLIP-ON SR PA (28001699, pre-assembled)



ACU SC 15x43x30mm CLIP-ON SR PA (28001574, pre-assembled)



ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.

28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.

28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).

RoHS

ACCESSORIES

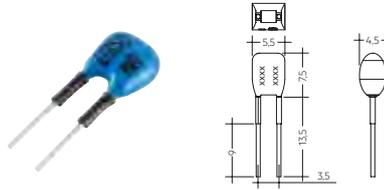
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1,000 mA	5.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1,050 mA	4.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 k Ω	10 pc(s).	0.001 kg



Driver LC 45W 500–1400mA flexC SR EXC

EXCITE series

Product description

- Constant current LED Driver
- Adjustable output current between 500 and 1,400 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 45 W
- Up to 88 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20
- Strain relief with loop through function

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 45° / 0° push terminals

Functions

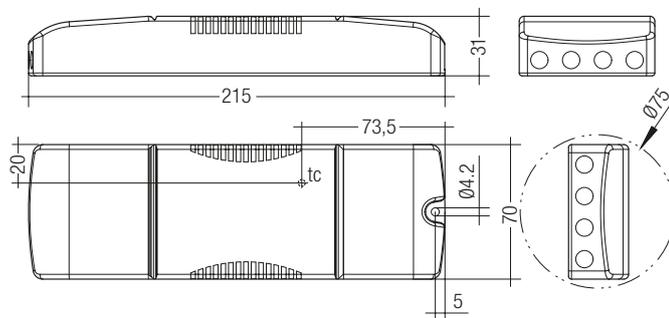
- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee
- No tools required for installation

Typical applications

- For downlight, spotlight and decorative applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Oversvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	230 mA
Typ. current (220 V, 0 Hz, full load)	173 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	51.5 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	88 %
λ (at 230 V, 50 Hz, full load)	0.95
Typ. input current in no-load operation	17.3 mA
Typ. input power in no-load operation	0.59 W
In-rush current (peak / duration)	24.7 A / 268 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ²⁾	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Burst / surge peaks output side against PE	< 500 V
Dimensions L x W x H	215 x 70 x 31 mm

Ordering data

Type	Article number	Packaging carton	Packaging pallet	Weight per pc.
LC 45W 500-1400mA flexC SR EXC	28000701	10 pc(s).	400 pc(s).	0.215 kg



For standards see data sheet

Product / function matrix, [page 30](http://page.30)

Specific technical data

Type	Output current ²⁾³⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ⁴⁾
LC 45W 500-1400mA flexC SR EXC	500 mA	20 V	54.0 V	270 W	30.8 W	143 mA	70 °C	-25 ... +50 °C	open
	550 mA	20 V	54.0 V	297 W	33.5 W	155 mA	70 °C	-25 ... +50 °C	9.09 kΩ
	600 mA	20 V	54.0 V	324 W	36.6 W	168 mA	70 °C	-25 ... +50 °C	8.33 kΩ
	650 mA	20 V	54.0 V	351 W	39.3 W	179 mA	70 °C	-25 ... +50 °C	7.69 kΩ
	700 mA	20 V	54.0 V	378 W	42.5 W	193 mA	70 °C	-25 ... +50 °C	7.14 kΩ
	750 mA	20 V	54.0 V	405 W	45.2 W	203 mA	70 °C	-25 ... +50 °C	6.67 kΩ
	800 mA	20 V	54.0 V	432 W	48.0 W	215 mA	70 °C	-25 ... +50 °C	6.25 kΩ
	850 mA	20 V	52.9 V	450 W	49.9 W	224 mA	70 °C	-25 ... +50 °C	5.88 kΩ
	900 mA	20 V	50.0 V	450 W	50.0 W	224 mA	70 °C	-25 ... +50 °C	5.56 kΩ
	950 mA	20 V	47.4 V	450 W	50.0 W	224 mA	70 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	20 V	45.0 V	450 W	50.3 W	225 mA	70 °C	-25 ... +50 °C	5.00 kΩ
	1,050 mA	20 V	42.9 V	450 W	50.2 W	225 mA	70 °C	-25 ... +50 °C	4.76 kΩ
	1,100 mA	20 V	40.9 V	450 W	50.9 W	228 mA	70 °C	-25 ... +50 °C	4.55 kΩ
	1,150 mA	20 V	39.1 V	450 W	50.9 W	228 mA	70 °C	-25 ... +50 °C	4.35 kΩ
	1,200 mA	20 V	37.5 V	450 W	50.2 W	225 mA	70 °C	-25 ... +50 °C	4.17 kΩ
	1,250 mA	20 V	36.0 V	450 W	50.8 W	227 mA	70 °C	-25 ... +50 °C	4.00 kΩ
1,300 mA	20 V	34.6 V	450 W	50.9 W	230 mA	70 °C	-25 ... +50 °C	3.85 kΩ	
1,350 mA	20 V	33.3 V	450 W	51.3 W	229 mA	70 °C	-25 ... +50 °C	3.70 kΩ	
1,400 mA	20 V	32.1 V	450 W	51.3 W	230 mA	70 °C	-25 ... +50 °C	short circuit (0 Ω)	

¹⁾ Depending on the selected output current.

²⁾ Output current is mean value.

³⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁴⁾ Not compatible with I-select (generation 1).

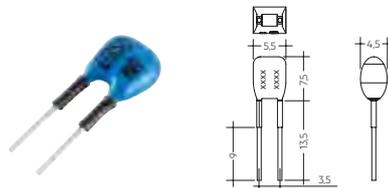
RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)

Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging	Weight per pc.
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1,000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1,050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LC 60W 900–1750mA flexC C EXC

EXCITE series

Product description

- Constant current LED Driver
- Adjustable output current between 900 and 1,750 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 60 W
- Up to 91 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 45° push terminals

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

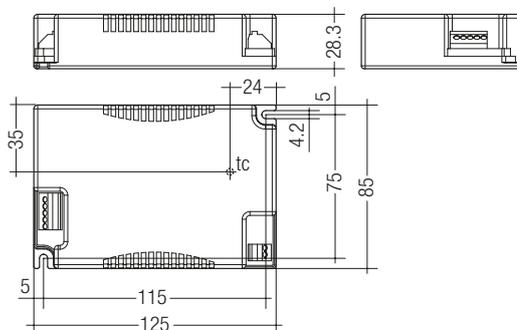
Typical applications

- For downlight, spotlight and decorative applications
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾	306 mA
Typ. current (220 V, 0 Hz, full load) ²⁾	137 mA
Leakage current (at 230 V, 50 Hz, full load) ³⁾	< 250 µA
Max. input power	67 W
Typ. efficiency (at 230 V / 50 Hz / full load) ¹⁾	90 %
λ (at 230 V, 50 Hz, full load)	0.95
Typ. input current in no-load operation	19.5 mA
Typ. input power in no-load operation	0.08 W
In-rush current (peak / duration)	25.9 A / 252 µs
THD (at 230 V, 50 Hz, full load)	< 7 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ⁴⁾	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	125 x 85 x 28.3 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 60W 900-1750mA flexC C EXC	28000696	10 pc(s).	720 pc(s).	0.205 kg

Specific technical data

Type	Output current ²⁾⁴⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	I-select 2 resistor value ³⁾
LC 60W 900-1750mA flexC C EXC	900 mA	20 V	54.0 V	48.6 W	53.8 W	241 mA	85 °C	-25 ... +50 °C	open
	950 mA	20 V	54.0 V	51.3 W	57.0 W	255 mA	85 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	20 V	54.0 V	54.0 W	59.5 W	265 mA	85 °C	-25 ... +50 °C	5.00 kΩ
	1,050 mA	20 V	54.0 V	56.7 W	62.8 W	279 mA	85 °C	-25 ... +50 °C	4.76 kΩ
	1,100 mA	20 V	54.0 V	59.4 W	64.7 W	291 mA	85 °C	-25 ... +50 °C	4.55 kΩ
	1,150 mA	20 V	52.2 V	60.0 W	65.5 W	294 mA	80 °C	-25 ... +50 °C	4.35 kΩ
	1,200 mA	20 V	50.0 V	60.0 W	65.7 W	292 mA	80 °C	-25 ... +50 °C	4.17 kΩ
	1,250 mA	20 V	48.0 V	60.0 W	66.7 W	306 mA	80 °C	-25 ... +50 °C	4.00 kΩ
	1,300 mA	20 V	46.2 V	60.0 W	66.4 W	295 mA	80 °C	-25 ... +50 °C	3.85 kΩ
	1,350 mA	20 V	44.4 V	60.0 W	66.1 W	303 mA	80 °C	-25 ... +50 °C	3.70 kΩ
	1,400 mA	20 V	42.9 V	60.0 W	66.1 W	294 mA	80 °C	-25 ... +50 °C	3.57 kΩ
	1,450 mA	20 V	41.4 V	60.0 W	66.6 W	306 mA	80 °C	-25 ... +50 °C	3.45 kΩ
	1,500 mA	20 V	40.0 V	60.0 W	66.8 W	296 mA	80 °C	-25 ... +50 °C	3.33 kΩ
	1,550 mA	20 V	38.7 V	60.0 W	66.7 W	298 mA	80 °C	-25 ... +50 °C	3.23 kΩ
	1,600 mA	20 V	37.5 V	60.0 W	66.4 W	295 mA	80 °C	-25 ... +50 °C	3.13 kΩ
	1,650 mA	20 V	37.5 V	60.0 W	66.0 W	303 mA	80 °C	-25 ... +50 °C	3.03 kΩ
	1,700 mA	20 V	35.3 V	60.0 W	66.8 W	297 mA	80 °C	-25 ... +50 °C	2.94 kΩ
1,750 mA	20 V	34.3 V	60.0 W	66.8 W	297 mA	80 °C	-25 ... +50 °C	2.86 kΩ	

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

RoHS

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SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)

Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1,000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1,050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1500MA BL	28001133	Blue	1500 mA	1,500 mA	3.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1600MA BL	28001134	Blue	1600 mA	1,600 mA	3.13 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1700MA BL	28001135	Blue	1700 mA	1,700 mA	2.94 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LC 60W 900–1750mA flexC SR EXC

EXCITE series

Product description

- Constant current LED Driver
- Adjustable output current between 900 and 1,750 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 60 W
- Up to 91 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20
- Strain relief with loop through function

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 45° / 0° push terminals

Functions

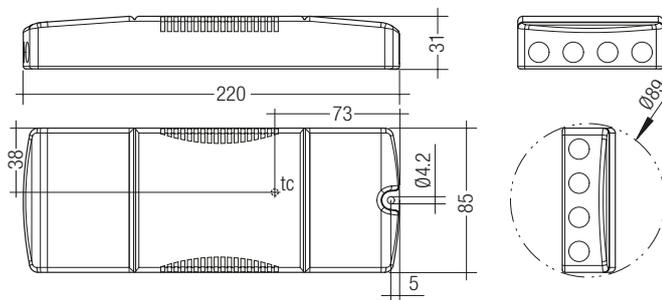
- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172
- For cable cross-sections up to 2.5 mm²

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee
- No tools required for installation

Typical applications

- For downlight, spotlight and decorative applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾	306 mA
Typ. current (220 V, 0 Hz, full load) ¹⁾	137 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	67 W
Typ. efficiency (at 230 V / 50 Hz / full load) ¹⁾	90 %
λ (at 230 V, 50 Hz, full load)	0.95
Typ. input current in no-load operation	19.5 mA
Typ. input power in no-load operation	0.08 W
In-rush current (peak / duration)	25.9 A / 252 µs
THD (at 230 V, 50 Hz, full load)	< 7 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ⁴⁾	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	220 x 85 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 60W 900-1750mA flexC SR EXC	28000702	10 pc(s).	400 pc(s).	0.278 kg



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ²⁾⁴⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	I-select 2 resistor value ³⁾
LC 60W 900-1750mA flexC SR EXC	900 mA	20 V	54.0 V	48.6 W	53.8 W	241 mA	75 °C	-25 ... +50 °C	open
	950 mA	20 V	54.0 V	51.3 W	57.0 W	255 mA	75 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	20 V	54.0 V	54.0 W	59.5 W	265 mA	75 °C	-25 ... +50 °C	5.00 kΩ
	1,050 mA	20 V	54.0 V	56.7 W	62.8 W	279 mA	75 °C	-25 ... +50 °C	4.76 kΩ
	1,100 mA	20 V	54.0 V	59.4 W	64.7 W	291 mA	75 °C	-25 ... +50 °C	4.55 kΩ
	1,150 mA	20 V	52.2 V	60.0 W	65.5 W	294 mA	70 °C	-25 ... +50 °C	4.35 kΩ
	1,200 mA	20 V	50.0 V	60.0 W	65.7 W	292 mA	70 °C	-25 ... +50 °C	4.17 kΩ
	1,250 mA	20 V	48.0 V	60.0 W	66.7 W	306 mA	70 °C	-25 ... +50 °C	4.00 kΩ
	1,300 mA	20 V	46.2 V	60.0 W	66.4 W	295 mA	70 °C	-25 ... +50 °C	3.85 kΩ
	1,350 mA	20 V	44.4 V	60.0 W	66.1 W	303 mA	70 °C	-25 ... +50 °C	3.70 kΩ
	1,400 mA	20 V	42.9 V	60.0 W	66.1 W	294 mA	70 °C	-25 ... +50 °C	3.57 kΩ
	1,450 mA	20 V	41.4 V	60.0 W	66.6 W	306 mA	70 °C	-25 ... +50 °C	3.45 kΩ
	1,500 mA	20 V	40.0 V	60.0 W	66.8 W	296 mA	70 °C	-25 ... +50 °C	3.33 kΩ
	1,550 mA	20 V	38.7 V	60.0 W	66.7 W	298 mA	70 °C	-25 ... +50 °C	3.23 kΩ
	1,600 mA	20 V	37.5 V	60.0 W	66.4 W	295 mA	70 °C	-25 ... +50 °C	3.13 kΩ
	1,650 mA	20 V	37.5 V	60.0 W	66.0 W	303 mA	70 °C	-25 ... +50 °C	3.03 kΩ
	1,700 mA	20 V	35.3 V	60.0 W	66.8 W	297 mA	70 °C	-25 ... +50 °C	2.94 kΩ
1,750 mA	20 V	34.3 V	60.0 W	66.8 W	297 mA	70 °C	-25 ... +50 °C	2.86 kΩ	

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

RoHS

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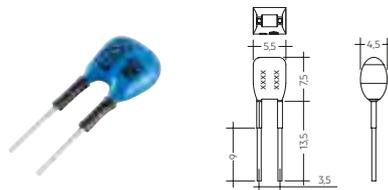
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1,000 mA	5.00 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1,050 mA	4.76 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1500MA BL	28001133	Blue	1500 mA	1,500 mA	3.33 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1600MA BL	28001134	Blue	1600 mA	1,600 mA	3.13 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1700MA BL	28001135	Blue	1700 mA	1,700 mA	2.94 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s)	0.001 kg

**Driver LC 100W 1100–2100mA flexC C EXC**

EXCITE series

Product description

- Constant current LED Driver
- Adjustable output current between 1,100 and 2,100 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 100 W
- Up to 92 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 45° push terminals

Functions

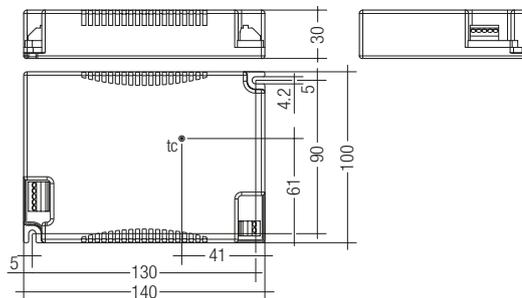
- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For downlight, spotlight and decorative applications
- For product data sheet go to www.tridonic.com, or available on request

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾	482 mA
Typ. current (220 V, 0 Hz, full load) ¹⁾	342 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	109 W
Typ. efficiency (at 230 V / 50 Hz / full load) ¹⁾	92 %
λ (at 230 V, 50 Hz, full load)	0.95
Typ. input current in no-load operation	60 mA
Typ. input power in no-load operation	0.111 W
In-rush current (peak / duration)	50,6 A / 210 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.3 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ²⁾	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	140 x 100 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 100W 1100-2100mA flexC C EXC	28001572	10 pc(s).	500 pc(s).	0.265 kg



For standards see data sheet

Product / function matrix, [page 30](http://www.tridonic.com)

Specific technical data

Type	Output current ²⁾⁴⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	I-select 2 resistor value ³⁾
LC 100W 1100-2100mA flexC C EXC	1,100 mA	20 V	54.0 V	59.4 W	651 W	297 mA	80 °C	-25 ... +50 °C	open
	1,150 mA	20 V	54.0 V	62.4 W	681 W	309 mA	80 °C	-25 ... +50 °C	4,35 kΩ
	1,200 mA	20 V	54.0 V	64.8 W	714 W	323 mA	80 °C	-25 ... +50 °C	4,17 kΩ
	1,250 mA	20 V	54.0 V	68.0 W	74.0 W	334 mA	80 °C	-25 ... +50 °C	4,00 kΩ
	1,300 mA	20 V	54.0 V	70.2 W	77.0 W	347 mA	80 °C	-25 ... +50 °C	3,85 kΩ
	1,350 mA	20 V	54.0 V	73.3 W	79.7 W	358 mA	80 °C	-25 ... +50 °C	3,70 kΩ
	1,400 mA	20 V	54.0 V	75.6 W	82.1 W	369 mA	80 °C	-25 ... +50 °C	3,57 kΩ
	1,450 mA	20 V	54.0 V	78.2 W	84.8 W	380 mA	80 °C	-25 ... +50 °C	3,45 kΩ
	1,500 mA	20 V	54.0 V	81.0 W	88.1 W	394 mA	80 °C	-25 ... +50 °C	3,33 kΩ
	1,550 mA	20 V	54.0 V	83.5 W	90.5 W	404 mA	80 °C	-25 ... +50 °C	3,23 kΩ
	1,600 mA	20 V	54.0 V	86.4 W	94.1 W	420 mA	80 °C	-25 ... +50 °C	3,13 kΩ
	1,650 mA	20 V	54.0 V	89.1 W	96.5 W	430 mA	80 °C	-25 ... +50 °C	3,03 kΩ
	1,700 mA	20 V	54.0 V	91.8 W	99.3 W	442 mA	80 °C	-25 ... +50 °C	2,94 kΩ
	1,750 mA	20 V	54.0 V	93.7 W	101.6 W	451 mA	80 °C	-25 ... +50 °C	2,86 kΩ
	1,800 mA	20 V	54.0 V	97.2 W	105.7 W	469 mA	80 °C	-25 ... +50 °C	2,78 kΩ
	1,850 mA	20 V	54.0 V	99.8 W	107.9 W	479 mA	80 °C	-25 ... +50 °C	2,70 kΩ
	1,900 mA	20 V	52.6 V	99.9 W	107.8 W	478 mA	80 °C	-25 ... +50 °C	2,63 kΩ
	1,950 mA	20 V	51.3 V	99.8 W	108.0 W	479 mA	80 °C	-25 ... +50 °C	2,56 kΩ
	2,000 mA	20 V	50.0 V	100.0 W	108.1 W	480 mA	80 °C	-25 ... +50 °C	2,50 kΩ
	2,050 mA	20 V	48.8 V	100.0 W	108.4 W	481 mA	80 °C	-25 ... +50 °C	2,44 kΩ
2,100 mA	20 V	47.6 V	100.0 W	108.5 W	482 mA	80 °C	-25 ... +50 °C	short circuit (0 Ω)	

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

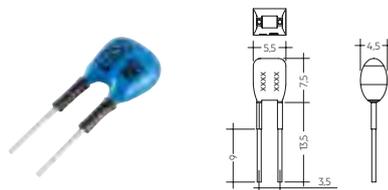
RoHS

ACCES-
SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging bag	Weight per pc.
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1500MA BL	28001133	Blue	1500 mA	1,500 mA	3.33 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1600MA BL	28001134	Blue	1600 mA	1,600 mA	3.13 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1700MA BL	28001135	Blue	1700 mA	1,700 mA	2.94 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1800MA BL	28001136	Blue	1800 mA	1,800 mA	2.78 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1900MA BL	28001137	Blue	1900 mA	1,900 mA	2.63 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 2000MA BL	28001138	Blue	2000 mA	2,000 mA	2.50 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 2100MA BL	28001139	Blue	2100 mA	2,100 mA	2.38 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s)	0.001 kg

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Driver LC 100W 1100–2100mA flexC SR EXC

EXCITE series

Product description

- Constant current LED Driver
- Adjustable output current between 1,100 and 2,100 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 100 W
- Up to 92 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20
- Strain relief with loop through function

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 45° / 0° push terminals

Functions

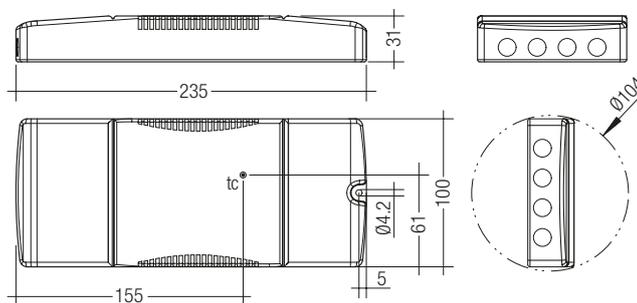
- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172
- For cable cross-sections up to 2.5 mm²

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee
- No tools required for installation

Typical applications

- For downlight, spotlight and decorative applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾	482 mA
Typ. current (220 V, 0 Hz, full load) ¹⁾	342 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	109 W
Typ. efficiency (at 230 V / 50 Hz / full load) ¹⁾	92 %
λ (at 230 V, 50 Hz, full load)	0.95
Typ. input current in no-load operation	60 mA
Typ. input power in no-load operation	0.111 W
In-rush current (peak / duration)	50.6 / 210 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.3 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ⁴⁾	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	235 x 100 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 100W 1100-2100mA flexC SR EXC	28001573	10 pc(s).	300 pc(s).	0.35 kg

For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ²⁾⁴⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	I-select 2 resistor value ³⁾
LC 100W 1100-2100mA flexC SR EXC	1,100 mA	20 V	54.0 V	59.4 W	651 W	297 mA	80 °C	-25 ... +50 °C	open
	1,150 mA	20 V	54.0 V	62.4 W	681 W	309 mA	80 °C	-25 ... +50 °C	4,35 kΩ
	1,200 mA	20 V	54.0 V	64.8 W	714 W	323 mA	80 °C	-25 ... +50 °C	4,17 kΩ
	1,250 mA	20 V	54.0 V	68.0 W	74.0 W	334 mA	80 °C	-25 ... +50 °C	4,00 kΩ
	1,300 mA	20 V	54.0 V	70.2 W	77.0 W	347 mA	80 °C	-25 ... +50 °C	3,85 kΩ
	1,350 mA	20 V	54.0 V	73.3 W	79.7 W	358 mA	80 °C	-25 ... +50 °C	3,70 kΩ
	1,400 mA	20 V	54.0 V	75.6 W	82.1 W	369 mA	80 °C	-25 ... +50 °C	3,57 kΩ
	1,450 mA	20 V	54.0 V	78.2 W	84.8 W	380 mA	80 °C	-25 ... +50 °C	3,45 kΩ
	1,500 mA	20 V	54.0 V	81.0 W	88.1 W	394 mA	80 °C	-25 ... +50 °C	3,33 kΩ
	1,550 mA	20 V	54.0 V	83.5 W	90.5 W	404 mA	80 °C	-25 ... +50 °C	3,23 kΩ
	1,600 mA	20 V	54.0 V	86.4 W	94.1 W	420 mA	80 °C	-25 ... +50 °C	3,13 kΩ
	1,650 mA	20 V	54.0 V	89.1 W	96.5 W	430 mA	80 °C	-25 ... +50 °C	3,03 kΩ
	1,700 mA	20 V	54.0 V	91.8 W	99.3 W	442 mA	80 °C	-25 ... +50 °C	2,94 kΩ
	1,750 mA	20 V	54.0 V	93.7 W	101.6 W	451 mA	80 °C	-25 ... +50 °C	2,86 kΩ
	1,800 mA	20 V	54.0 V	97.2 W	105.7 W	469 mA	80 °C	-25 ... +50 °C	2,78 kΩ
	1,850 mA	20 V	54.0 V	99.8 W	107.9 W	479 mA	80 °C	-25 ... +50 °C	2,70 kΩ
	1,900 mA	20 V	52.6 V	99.9 W	107.8 W	478 mA	80 °C	-25 ... +50 °C	2,63 kΩ
	1,950 mA	20 V	51.3 V	99.8 W	108.0 W	479 mA	80 °C	-25 ... +50 °C	2,56 kΩ
	2,000 mA	20 V	50.0 V	100.0 W	108.1 W	480 mA	80 °C	-25 ... +50 °C	2,50 kΩ
	2,050 mA	20 V	48.8 V	100.0 W	108.4 W	481 mA	80 °C	-25 ... +50 °C	2,44 kΩ
2,100 mA	20 V	47.6 V	100.0 W	108.5 W	482 mA	80 °C	-25 ... +50 °C	short circuit (0 Ω)	

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

RoHS

ACCES-
SORIES

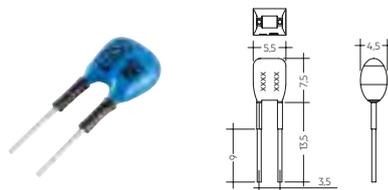
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

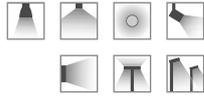
- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging bag	Weight per pc.
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1500MA BL	28001133	Blue	1500 mA	1,500 mA	3.33 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1600MA BL	28001134	Blue	1600 mA	1,600 mA	3.13 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1700MA BL	28001135	Blue	1700 mA	1,700 mA	2.94 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1800MA BL	28001136	Blue	1800 mA	1,800 mA	2.78 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 1900MA BL	28001137	Blue	1900 mA	1,900 mA	2.63 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 2000MA BL	28001138	Blue	2000 mA	2,000 mA	2.50 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG 2100MA BL	28001139	Blue	2100 mA	2,100 mA	2.38 kΩ	10 pc(s)	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s)	0.001 kg

IP20 SELV    
 ENEC    



Driver LC 15/20W 350/500mA fixC SC ADV

ADVANCED series

Product description

- Fixed output LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Output current 350 or 500 mA
- Max. output power 15.4 or 22 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Independent LED Driver with cable clamps
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

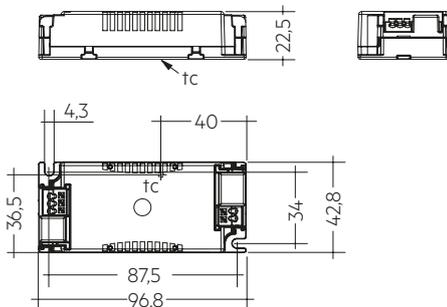
- Casing: polycarbonate, white
- Type of protection IP20

Functions

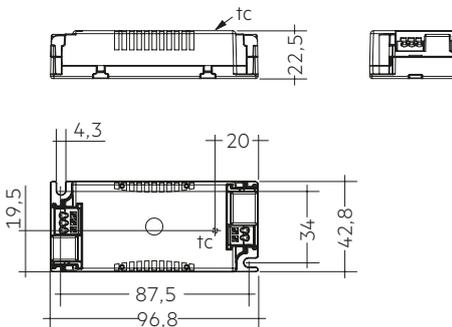
- Overtemperature protection
 - Overload protection
 - Short-circuit protection
 - No-load protection
 - Burst protection voltage 1 kV
 - Surge protection voltage 1 kV (L to N)
 - Surge protection voltage 2 kV (L/N to earth)
- For product data sheet go to www.tridonic.com, or available on request



With strain-relief



LC 15W 350mA fixC SC ADV



LC 20W 500mA fixC SC ADV

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 15 %
Output current tolerance ¹⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 15 %
Max. output voltage	60 V
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	97 x 43 x 22.5 mm
Dimensions with strain-relief L x W x H	146 x 43 x 22.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 15W 350mA fixC SC ADV	87500448	15 pc(s).	555 pc(s).	4,995 pc(s).	0.076 kg
LC 20W 500mA fixC SC ADV	87500449	15 pc(s).	555 pc(s).	4,995 pc(s).	0.079 kg



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ¹⁾	Input current (at 230 V, 50 Hz, full load)	Input power (at 230 V, 50 Hz, full load)	Output power range	Power factor at full load ²⁾	Efficiency at full load ²⁾	λ at min. load ²⁾	Efficiency at min. load ²⁾	Min. forward voltage	Max. forward voltage	Max. output peak current ³⁾	Max. casing temperature tc
LC 15W 350mA fixC SC ADV	350 mA	0.086 A	18.5 W	7.5 – 15.4 W	0.9C	83 %	0.85C	76 %	21.4 V	44 V	433 mA	80 °C
LC 20W 500mA fixC SC ADV	500 mA	0.120 A	26.0 W	10.7 – 22.0 W	0.9C	83 %	0.85C	77 %	21.4 V	44 V	619 mA	85 °C

¹⁾ Output current is mean value.

²⁾ Test result at 230 V, 50 Hz.

³⁾ The trend between min. and full load is linear.

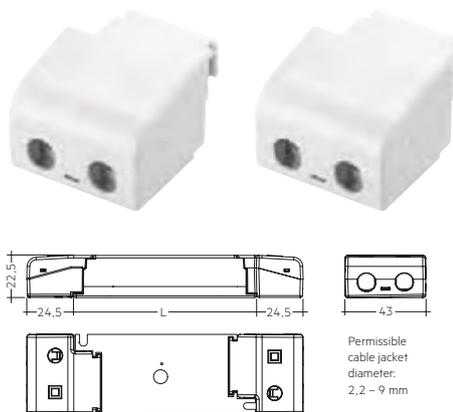


ACCESSORIES

Strain-relief set 43x22.5mm

Product description

- Optional strain-relief set for independent applications
- Easy and tool-free mounting to the LED Driver
- Screwless cable-clamp channels
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Overall length = length L (LED Driver) + 2 x 24.5 mm (strain-relief set)



Ordering data

Type	Article number	Packaging carton ¹⁾	Packaging outer box	Weight per pc.
ACU SC 43x22.5mm CLIP-ON SR SET	28001534	10 pc(s).	200 pc(s).	0.027 kg

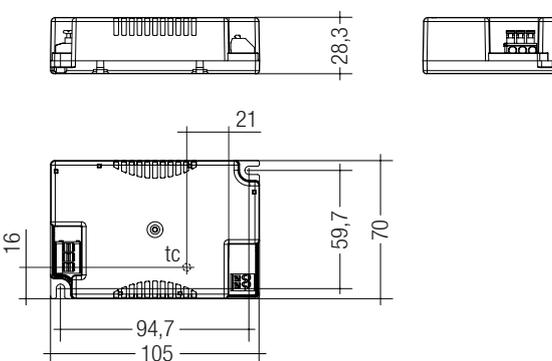
¹⁾ A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.



Driver LC 25/30/35/40W 600/700/800/900mA fixC C ADV
ADVANCED series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 600, 700, 800 or 900 mA
- Max. output power 26.5, 31, 36 or 40.5 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee



Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Output current ripple	± 10 %
Max. output voltage (no-load voltage)	60 V
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature t _a	-20 ... +50 °C
Ambient temperature t _a (at life-time 50,000 h)	40 °C
Storage temperature t _s	-40 ... +80 °C
Dimensions L x W x H	105 x 70 x 28.3 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 25W 600mA fixC C ADV	87500345	15 pc(s).	300 pc(s).	2,700 pc(s).	0.142 kg
LC 30W 700mA fixC C ADV	87500346	15 pc(s).	300 pc(s).	2,700 pc(s).	0.142 kg
LC 35W 800mA fixC C ADV	87500347	15 pc(s).	300 pc(s).	2,700 pc(s).	0.142 kg
LC 40W 900mA fixC C ADV	87500348	15 pc(s).	300 pc(s).	2,700 pc(s).	0.142 kg

Specific technical data

Type	Output current ³⁾	Input current (at 230 V, 50 Hz, full load)	Input power (at 230 V, 50 Hz, full load)	Output power range	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. output voltage	Max. output voltage	Max. output peak current at full load ²⁾	Max. output peak current at min. load ²⁾	Max. casing temperature t _c
LC 25W 600mA fixC C ADV	600 mA	0.133 A	30.0 W	13.0 – 26.5 W	0.95	88 %	0.9C	81 %	21.4 V	44 V	774 mA	900 mA	65 °C
LC 30W 700mA fixC C ADV	700 mA	0.153 A	34.3 W	15.0 – 31.0 W	0.95	88 %	0.9C	82 %	21.4 V	44 V	903 mA	1,000 mA	65 °C
LC 35W 800mA fixC C ADV	800 mA	0.181 A	40.0 W	20.0 – 36.0 W	0.95	89 %	0.9C	83 %	25.0 V	45 V	1,032 mA	1,100 mA	70 °C
LC 40W 900mA fixC C ADV	900 mA	0.210 A	45.3 W	22.5 – 40.5 W	0.95	89 %	0.9C	83 %	25.0 V	45 V	1,161 mA	1,200 mA	70 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.



Driver LC 25/30/35/40W 600/700/800/900mA fixC SC ADV
ADVANCED series

Product description

- Fixed output LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Output current 600, 700, 800 or 900 mA
- Max. output power 26.5, 31, 35 or 40.5 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Independent LED Driver with cable clamps
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
 - Overload protection
 - Short-circuit protection
 - No-load protection
- For product data sheet go to www.tridonic.com, or available on request

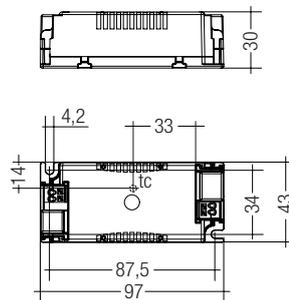


For standards see data sheet

Product / function matrix, [page 30](#)



With strain-relief (see accessory)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 5 %
Max. output voltage	60 V
Starting time (at 230 V, 50 Hz, full load)	≈ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≈ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature <i>t</i> _a	-20 ... +50 °C
Ambient temperature <i>t</i> _a (at life-time 50,000 h)	40 °C
Storage temperature <i>t</i> _s	-40 ... +85 °C
Dimensions L x W x H	97 x 43 x 30 mm
Dimensions with strain-relief L x W x H	157 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 25W 600mA fixC SC ADV	87500341	15 pc(s).	555 pc(s).	4,440 pc(s).	0.098 kg
LC 30W 700mA fixC SC ADV	87500342	15 pc(s).	555 pc(s).	4,440 pc(s).	0.101 kg
LC 35W 700mA fixC SC ADV	87500450	15 pc(s).	555 pc(s).	4,440 pc(s).	0.100 kg
LC 35W 800mA fixC SC ADV	87500343	15 pc(s).	555 pc(s).	4,440 pc(s).	0.101 kg
LC 40W 900mA fixC SC ADV	87500344	15 pc(s).	555 pc(s).	4,440 pc(s).	0.102 kg

Specific technical data

Type	Output current ³⁾	Input current (at 230 V, 50 Hz, full load)	Input power (at 230 V, 50 Hz, full load)	Output power range	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output peak current at full load ²⁾	Max. output peak current at min. load ²⁾	Max. casing temperature <i>t</i> _c
LC 25W 600mA fixC SC ADV	600 mA	0.133 A	30.0 W	13.0 – 26.5 W	0.95	88 %	0.9C	81 %	21.4 V	44 V	774 mA	900 mA	80 °C
LC 30W 700mA fixC SC ADV	700 mA	0.153 A	34.3 W	15.0 – 31.0 W	0.95	88 %	0.9C	82 %	21.4 V	44 V	903 mA	1,000 mA	83 °C
LC 35W 700mA fixC SC ADV	700 mA	0.174 A	40.0 W	17.5 – 35.0 W	0.95	88 %	0.9C	82 %	25.0 V	50 V	903 mA	1,000 mA	75 °C
LC 35W 800mA fixC SC ADV	800 mA	0.181 A	40.0 W	20.0 – 36.0 W	0.95	89 %	0.9C	83 %	25.0 V	45 V	1,032 mA	1,100 mA	81 °C
LC 40W 900mA fixC SC ADV	900 mA	0.210 A	45.3 W	22.5 – 40.5 W	0.95	89 %	0.9C	83 %	25.0 V	45 V	1,161 mA	1,200 mA	83 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

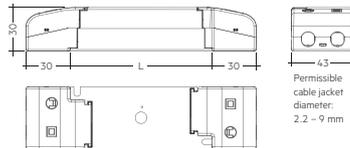
³⁾ Output current is mean value.



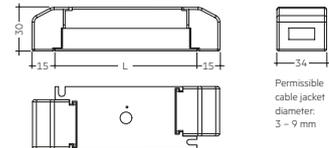
Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available

ACU SC 30x43x30mm CLIP-ON SR SET
(28001168, non-pre-assembled)ACU SC 30x43x30mm CLIP-ON SR SET 300
(28001351, non-pre-assembled, 300 pcs. packaging)ACU SC 30x43x30mm CLIP-ON SR PA
(28001699, pre-assembled)ACU SC 15x43x30mm CLIP-ON SR PA
(28001574, pre-assembled)

ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging, carton	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.

28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.

28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).



Driver LC 47W 1050mA fixC SC ADV

ADVANCED series

Product description

- Fixed output LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Output current 1,050 mA
- Max. output power 47.5 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Independent LED Driver with cable clamps
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

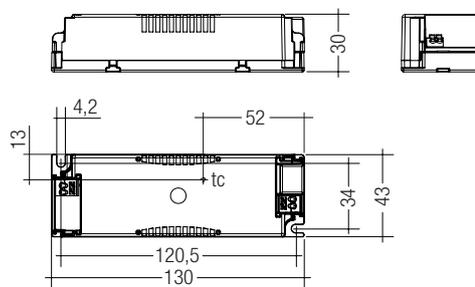
- Overtemperature protection
 - Overload protection
 - Short-circuit protection
 - No-load protection
 - Burst protection voltage 1 kV
 - Surge protection voltage 1 kV (L to N)
 - Surge protection voltage 2 kV (L/N to earth)
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

With strain-relief (see accessory)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 10 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 10 %
Max. output voltage	60 V
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	130 x 43 x 30 mm
Dimensions with strain-relief L x W x H	190 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 47W 1050mA fixC SC ADV	87500451	15 pc(s).	390 pc(s).	3,120 pc(s).	0.121 kg

Specific technical data

Type	Output current ³⁾	Input current (at 230 V, 50 Hz, full load)	Input power (at 230 V, 50 Hz, full load)	Output power range	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output peak current at full load ²⁾	Max. output peak current at min. load ²⁾	Max. casing temperature t_c
LC 47W 1050mA fixC SC ADV	1,050 mA	0.226 A	53 W	26.5 – 47.5 W	0.95	90 %	0.9C	85 %	25 V	45 V	1,242 mA	1,367 mA	80 °C

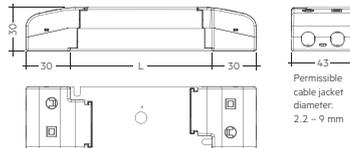
¹⁾ Test result at 230 V, 50 Hz.²⁾ The trend between min. and full load is linear.³⁾ Output current is mean value.



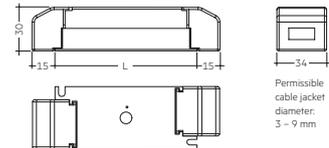
Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available

ACU SC 30x43x30mm CLIP-ON SR SET
(28001168, non-pre-assembled)ACU SC 30x43x30mm CLIP-ON SR SET 300
(28001351, non-pre-assembled, 300 pcs. packaging)ACU SC 30x43x30mm CLIP-ON SR PA
(28001699, pre-assembled)ACU SC 15x43x30mm CLIP-ON SR PA
(28001574, pre-assembled)

ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA

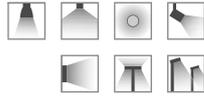
Ordering data

Type	Article number	Packaging, carton	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.

28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.

28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).



Driver LC 60W 1050mA fixC SC ADV

ADVANCED series

Product description

- Fixed output LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Output current 1,050 mA
- Max. output power 60 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Independent LED Driver with cable clamps
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
 - Overload protection
 - Short-circuit protection
 - No-load protection
 - Burst protection voltage 1 kV
 - Surge protection voltage 1 kV (L to N)
 - Surge protection voltage 2 kV (L/N to earth)
- For product data sheet go to www.tridonic.com, or available on request

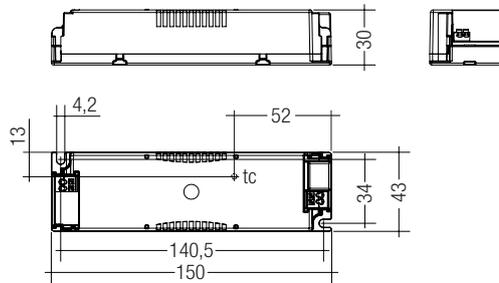


For standards see data sheet

Product / function matrix, [page 30](#)



With strain-relief (see accessory)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 10 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 10 %
Max. output voltage	70 V
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	150 x 43 x 30 mm
Dimensions with strain-relief L x W x H	210 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 60W 1050mA fixC SC ADV	87500452	15 pc(s).	360 pc(s).	2,880 pc(s).	0,152 kg

Specific technical data

Type	Output current ³⁾	Input current (at 230 V, 50 Hz, full load)	Input power (at 230 V, 50 Hz, full load)	Output power range	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output peak current at full load ²⁾	Max. output peak current at min. load ²⁾	Max. casing temperature tc
LC 60W 1050mA fixC SC ADV	1,050 mA	0,284 A	66 W	32,5 – 60 W	0,95	90 %	0,9C	85 %	31 V	57 V	1,242 mA	1,367 mA	75 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.



ACCESSORIES

Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



ACU SC 30x43x30mm CLIP-ON SR SET
(28001168, non-pre-assembled)



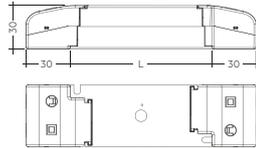
ACU SC 30x43x30mm CLIP-ON SR SET 300
(28001351, non-pre-assembled, 300 pcs. packaging)



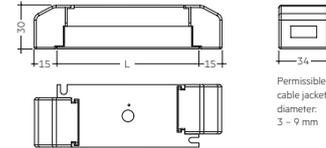
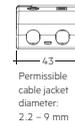
ACU SC 30x43x30mm CLIP-ON SR PA
(28001699, pre-assembled)



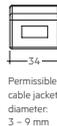
ACU SC 15x43x30mm CLIP-ON SR PA
(28001574, pre-assembled)



ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA



Ordering data

Type	Article number	Packaging, carton	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.
28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.
28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).



Driver LC 20W 350/500/700mA flexC SR ADV
ADVANCED series

Product description

- Independent fixed output LED Driver
- Selectable output current between 350, 500 and 700 mA
- Max. output power 20 W
- Up to 85 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- Terminal blocks: 0° screw terminals

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Overtemperature protection
- Burst protection voltage 1 kV
- Burst protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

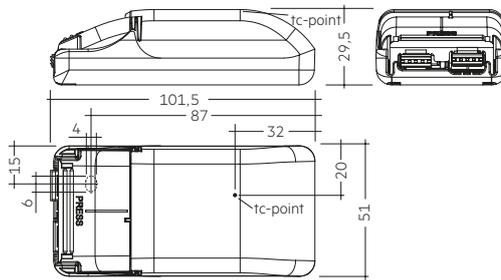
Typical applications

- For spot light and downlight in retail and hospitality applications
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Max. input current (at 230 V, 50 Hz, full load)	0.12 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Max. input power	26 W
Typ. power consumption (at 230 V, 50 Hz, full load) ¹⁾	24 W
Min. output power	8.7 W
Max. output power	20 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	85 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ²⁾	± 10 %
Max. output current peak ³⁾	± output current + 20 %
Max. output voltage	60 V
THD (at 230 V, 50 Hz, full load)	< 20 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	± 1.2 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	101.5 x 51 x 29.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 20W 350/500/700mA flexC SR ADV	87500621	20 pc(s).	280 pc(s).	3,360 pc(s).	0.094 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Efficiency (at 230 V, 50 Hz, full load)	Efficiency (at 230 V, 50 Hz, min. load)	tc point max.	Ambient temperature ta
LC 20W 350/500/700mA flexC SR ADV	350 mA	25 V	50.0 V	17.5 W	21 W	100 mA	85.0 %	78 %	80 °C	-20 ... +50 °C
LC 20W 350/500/700mA flexC SR ADV	500 mA	20 V	40.0 V	20.0 W	24 W	110 mA	83.5 %	78 %	85 °C	-20 ... +50 °C
LC 20W 350/500/700mA flexC SR ADV	700 mA	14 V	28.5 V	20.0 W	24 W	110 mA	82.0 %	75 %	85 °C	-20 ... +50 °C

¹⁾ Test result at 700 mA.

²⁾ Output current is mean value.

³⁾ Test result at 25 °C.



Driver LC 25W 350-600mA flexC SC ADV

ADVANCED series

Product description

- Can be either used built-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Adjustable output current between 350 and 600 mA, in 5 steps with ADV plug technology (pre-selected current 350 mA)
- Max. output power 26.4 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Small design (97 x 43 x 30 mm)
- Nominal life-time up to 100,000 h
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality applications
- For panel light and area light in office and education application

→ For product data sheet go to www.tridonic.com, or available on request

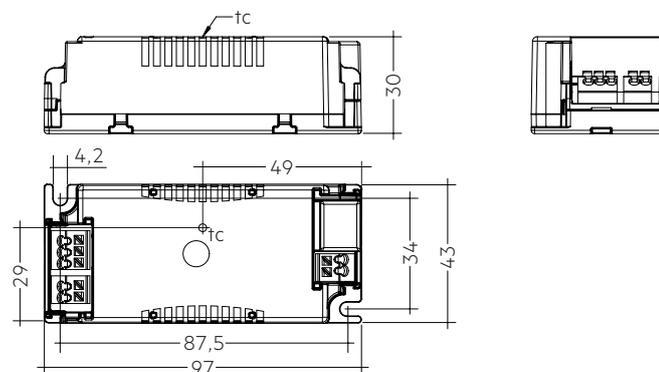


For standards see data sheet

Product / function matrix, [page 30](#)



With strain-relief (see accessory)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Max. input current (at 230 V, 50 Hz, full load)	0.138 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Max. input power	31 W
Typ. power consumption (at 230 V, 50 Hz, full load) ¹⁾	30.5 W
Min. output power	9.5 W
Max. output power	26.4 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	88 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ²⁾	± 7.5 %
Max. output current peak ³⁾	≤ output current + 12.5 %
Max. output voltage	60 V
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t _a (at life-time 50,000 h)	50 °C
Storage temperature t _s	-40 ... +80 °C
Dimensions L x W x H	97 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 25W 350-600mA flexC SC ADV	87500677	15 pc(s).	555 pc(s).	4,440 pc(s).	0.083 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	Iout select	Resistor ⁴⁾
LC 25W 350-600mA flexC SC ADV	350 mA	27 V	44 V	15.4 W	17.5 W	86 mA	75 °C	-20 ... +50 °C	open	-
LC 25W 350-600mA flexC SC ADV	400 mA	27 V	44 V	17.6 W	20.0 W	95 mA	75 °C	-20 ... +50 °C	0-1	ADV Type E
LC 25W 350-600mA flexC SC ADV	450 mA	27 V	44 V	19.8 W	22.5 W	103 mA	75 °C	-20 ... +50 °C	0-1	ADV Type A
LC 25W 350-600mA flexC SC ADV	500 mA	27 V	44 V	22.0 W	25.0 W	115 mA	75 °C	-20 ... +50 °C	0-2	ADV Type F
LC 25W 350-600mA flexC SC ADV	600 mA	28 V	44 V	26.4 W	30.5 W	138 mA	75 °C	-20 ... +50 °C	0-2	ADV Type A

¹⁾ Test result at 600 mA.
²⁾ Output current is mean value.
³⁾ Test result at 25 °C.
⁴⁾ Type A is a short circuit plug (0 Ω).



**ACCES-
SORIES**

Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



ACU SC 30x43x30mm CLIP-ON SR SET (28001168, non-pre-assembled)



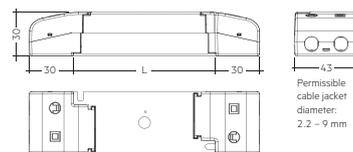
ACU SC 30x43x30mm CLIP-ON SR SET 300 (28001351, non-pre-assembled, 300 pcs. packaging)



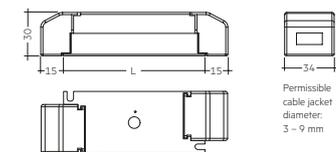
ACU SC 30x43x30mm CLIP-ON SR PA (28001699, pre-assembled)



ACU SC 15x43x30mm CLIP-ON SR PA (28001574, pre-assembled)



ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.
 28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.
 28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).



Driver LC 35W 350/500mA flexC SR ADV

ADVANCED series

Product description

- Independent fixed output LED Driver
- Adjustable output current between 350 and 500 mA
- Max. output power 35 W
- Up to 88 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

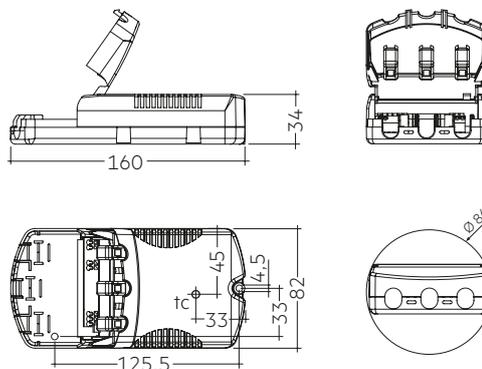
- Input terminals: 0° screw terminals
- Output terminals: 45° push terminals

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Overtemperature protection
- Burst protection voltage 1 kV
- Burst protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality applications
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Max. input current (at 230 V, 50 Hz, full load)	0.19 A
Leakage current (at 230 V, 50 Hz, full load)	< 400 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Max. input power	42 W
Typ. power consumption (at 230 V, 50 Hz, full load) ¹⁾	41 W
Min. output power	17.5 W
Max. output power	35 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	88 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ^{2) 3)}	± 10 %
Max. output current peak ⁴⁾	≤ output current + 20 %
Max. output voltage	120 V
THD (at 230 V, 50 Hz, full load)	< 10 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature <i>t</i> _a (at life-time 50,000 h)	40 °C
Storage temperature <i>t</i> _s	-40 ... +80 °C
Dimensions L x W x H	159.4 x 82 x 34 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 35W 350/500mA flexC SR ADV	87500622	20 pc(s).	280 pc(s).	1,120 pc(s).	0.171 kg



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Efficiency (at 230 V, 50 Hz, full load)	Efficiency (at 230 V, 50 Hz, min. load)	tc point max.	Ambient temperature ta	I-out select	Resistor ⁵⁾
LC 35W 350/500mA flexC SR ADV	350 mA	50 V	100 V	35 W	41 W	180 mA	88 %	85 %	70 °C	-20 ... +50 °C	-	-
LC 35W 350/500mA flexC SR ADV	500 mA	35 V	70 V	35 W	41 W	180 mA	88 %	83 %	75 °C	-20 ... +50 °C	0-1	ADV Type A

¹⁾ Test result at 350 mA.

²⁾ Output current is mean value.

³⁾ Test result at default output current.

⁴⁾ Test result at 25 °C.

⁵⁾ Type A is a short circuit plug (0 Ω).

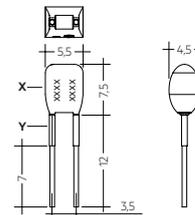
RoHS

ACCES-
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ADV Plug for output current select

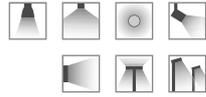
Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver serie LC flexC ADV; not compatible with I-select (generation 1) and I-select 2 (generation 2)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Hot plug of the resistor is not permitted
- For detailed current setting see table "Specific technical data" of the respective LED Driver and chapter 3.7 or 3.8 Current setting in data sheet



Ordering data

Type	Article number	Colour of X area	Colour of Y area	Marking	Resistor value	Packaging, bag	Weight per pc.
ADV Plug Type A YL	28001771	Yellow	Yellow	A	0.0 Ω	10 pc(s).	0.001 kg



Driver LC 35W 500-800mA flexC SC ADV

ADVANCED series

Product description

- Can be either used built-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Adjustable output current between 500 and 800 mA, in 5 steps with ADV plug technology (pre-selected current 500 mA)
- Max. output power 35.2 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Small design (97 x 43 x 30 mm)
- Nominal life-time up to 100,000 h
- 5-year guarantee

Properties

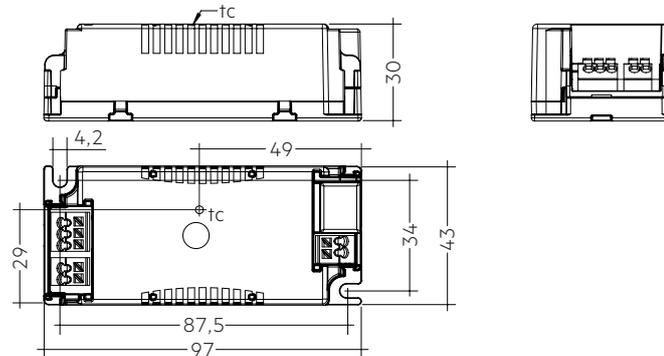
- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality applications
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Max. input current (at 230 V, 50 Hz, full load)	0.175 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Max. input power	42 W
Typ. power consumption (at 230 V, 50 Hz, full load) ¹⁾	39.1 W
Min. output power	12.5 W
Max. output power	35.2 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	88 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ²⁾	± 7.5 %
Max. output current peak ³⁾	≤ output current + 12.5 %
Max. output voltage	60 V
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t _a (at life-time 50,000 h)	50 °C
Storage temperature t _s	-40 ... +80 °C
Dimensions L x W x H	97 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 35W 500-800mA flexC SC ADV	87500678	15 pc(s).	555 pc(s).	4,440 pc(s).	0.1 kg



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	Output select	Resistor ⁴⁾
LC 35W 500-800mA flexC SC ADV	500 mA	25 V	42 V	210 W	22.8 W	112 mA	80 °C	-20 ... +50 °C	open	-
LC 35W 500-800mA flexC SC ADV	600 mA	25 V	42 V	252 W	27.7 W	127 mA	80 °C	-20 ... +50 °C	0-1	ADV Type E
LC 35W 500-800mA flexC SC ADV	650 mA	25 V	44 V	286 W	31.5 W	143 mA	80 °C	-20 ... +50 °C	0-1	ADV Type F
LC 35W 500-800mA flexC SC ADV	700 mA	25 V	45 V	315 W	35.0 W	154 mA	80 °C	-20 ... +50 °C	0-2	ADV Type F
LC 35W 500-800mA flexC SC ADV	800 mA	30 V	44 V	352 W	39.1 W	175 mA	80 °C	-20 ... +50 °C	0-2	ADV Type A

¹⁾ Test result at 800 mA.
²⁾ Output current is mean value.
³⁾ Test result at 25 °C.
⁴⁾ Type A is a short circuit plug (0 Ω).



**ACCES-
SORIES**

Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



ACU SC 30x43x30mm CLIP-ON SR SET (28001168, non-pre-assembled)



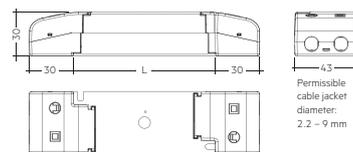
ACU SC 30x43x30mm CLIP-ON SR SET 300 (28001351, non-pre-assembled, 300 pcs. packaging)



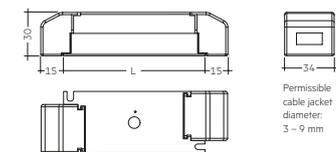
ACU SC 30x43x30mm CLIP-ON SR PA (28001699, pre-assembled)



ACU SC 15x43x30mm CLIP-ON SR PA (28001574, pre-assembled)



ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.
 28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.
 28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).



Driver LC 35W 700/800/1050mA flexC SR ADV

ADVANCED series

Product description

- Independent fixed output LED Driver
- Adjustable output current between 700, 800 and 1,050 mA
- Max. output power 35 W
- Up to 87.5 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

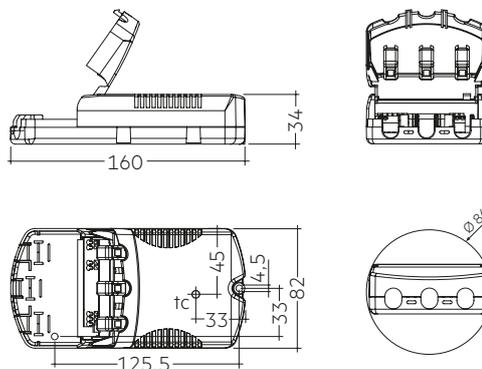
- Input terminals: 0° screw terminals
- Output terminals: 45° push terminals

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Overtemperature protection
- Burst protection voltage 1 kV
- Burst protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality applications
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Max. input current (at 230 V, 50 Hz, full load)	0.19 A
Leakage current (at 230 V, 50 Hz, full load)	< 400 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Max. input power	42 W
Typ. power consumption (at 230 V, 50 Hz, full load) ¹⁾	42 W
Min. output power	17.5 W
Max. output power	35 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	87.5 %
λ (at 230 V, 50 Hz, full load) ³⁾	0.95
Output current tolerance ^{2) 3)}	± 10 %
Max. output current peak ⁴⁾	≤ output current + 20 %
Max. output voltage	60 V
THD (at 230 V, 50 Hz, full load)	< 10 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t _a (at life-time 50,000 h)	40 °C
Storage temperature t _s	-40 ... +80 °C
Dimensions L x W x H	159.4 x 82 x 34 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 35W 700/800/1050mA flexC SR ADV	87500623	20 pc(s).	280 pc(s).	1,120 pc(s).	0.171 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Efficiency (at 230 V, 50 Hz, full load)	Efficiency (at 230 V, 50 Hz, min. load)	tc point max.	Ambient temperature ta	I-out select	Resistor ⁵⁾
LC 35W 700/800/1050mA flexC SR ADV	700 mA	25.0 V	50.0 V	35 W	41 W	180 mA	87.5 %	83.5 %	70 °C	-20 ... +50 °C	-	-
LC 35W 700/800/1050mA flexC SR ADV	800 mA	22.0 V	44.0 V	35 W	41 W	180 mA	87.5 %	82.5 %	75 °C	-20 ... +50 °C	0-1	ADV Type A
LC 35W 700/800/1050mA flexC SR ADV	1,050 mA	16.5 V	33.5 V	35 W	42 W	190 mA	86.0 %	80.0 %	75 °C	-20 ... +50 °C	0-2	ADV Type A

¹⁾ Test result at 1,050 mA.
²⁾ Output current is mean value.
³⁾ Test result at default output current.
⁴⁾ Test result at 25 °C.
⁵⁾ Type A is a short circuit plug (0 Ω).

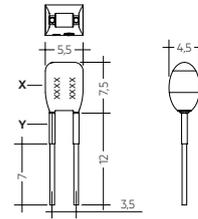
RoHS

ACCES-
SORIES

ADV Plug for output current select

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver serie LC flexC ADV; not compatible with I-select (generation 1) and I-select 2 (generation 2)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Hot plug of the resistor is not permitted
- For detailed current setting see table “Specific technical data” of the respective LED Driver and chapter 3.7 or 3.8 Current setting in data sheet



Ordering data

Type	Article number	Colour of X area	Colour of Y area	Marking	Resistor value	Packaging, bag	Weight per pc.
ADV Plug Type A YL	28001771	Yellow	Yellow	A	0.0 Ω	10 pc(s).	0.001 kg



Driver LC 40W 800-1050mA flexC SC ADV

ADVANCED series

Product description

- Can be either used built-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Adjustable output current between 800 and 1,050 mA, in 5 steps with ADV plug technology (pre-selected current 800 mA)
- Max. output power 44.1 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Small design (97 x 43 x 30 mm)
- Nominal life-time up to 100,000 h
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

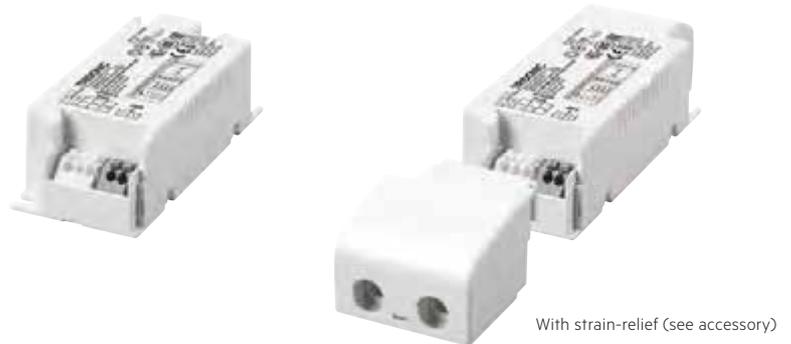
Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

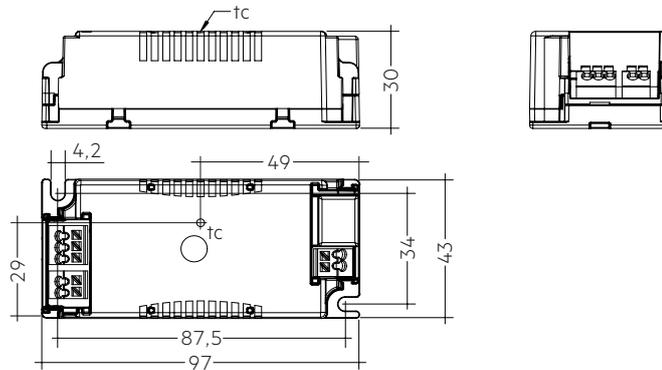
Typical applications

- For spot light and downlight in retail and hospitality applications
- For panel light and area light in office and education application

→ For product data sheet go to www.tridonic.com, or available on request



With strain-relief (see accessory)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Max. input current (at 230 V, 50 Hz, full load)	0.22 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Max. input power	54 W
Typ. power consumption (at 230 V, 50 Hz, full load) ¹⁾	49.3 W
Min. output power	20 W
Max. output power	44.1 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	88 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ²⁾	± 7.5 %
Max. output current peak ³⁾	≤ output current + 12.5 %
Max. output voltage	60 V
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t _a (at life-time 50,000 h)	50 °C
Storage temperature t _s	-40 ... +80 °C
Dimensions L x W x H	97 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 40W 800-1050mA flexC SC ADV	87500679	15 pc(s).	555 pc(s).	4,440 pc(s).	0.105 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	Iout select	Resistor ⁴⁾
LC 40W 800-1050mA flexC SC ADV	800 mA	25 V	40 V	32.0 W	36.0 W	163 mA	80 °C	-20 ... +50 °C	open	-
LC 40W 800-1050mA flexC SC ADV	850 mA	25 V	41 V	34.9 W	39.0 W	177 mA	80 °C	-20 ... +50 °C	0-1	ADV Type E
LC 40W 800-1050mA flexC SC ADV	900 mA	25 V	42 V	37.8 W	42.7 W	190 mA	80 °C	-20 ... +50 °C	0-1	ADV Type A
LC 40W 800-1050mA flexC SC ADV	950 mA	25 V	42 V	39.9 W	44.9 W	200 mA	80 °C	-20 ... +50 °C	0-2	ADV Type F
LC 40W 800-1050mA flexC SC ADV	1,050 mA	30 V	42 V	44.1 W	49.3 W	220 mA	80 °C	-20 ... +50 °C	0-2	ADV Type A

¹⁾ Test result at 1,050 mA.
²⁾ Output current is mean value.
³⁾ Test result at 25 °C.
⁴⁾ Type A is a short circuit plug (0 Ω).



**ACCES-
SORIES**

Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



ACU SC 30x43x30mm CLIP-ON SR SET (28001168, non-pre-assembled)



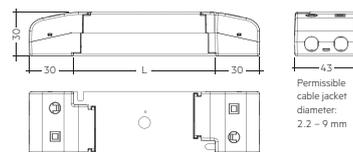
ACU SC 30x43x30mm CLIP-ON SR SET 300 (28001351, non-pre-assembled, 300 pcs. packaging)



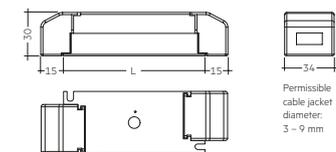
ACU SC 30x43x30mm CLIP-ON SR PA (28001699, pre-assembled)



ACU SC 15x43x30mm CLIP-ON SR PA (28001574, pre-assembled)



ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.
 28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.
 28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).



Driver LC 42W 700/900/1050mA flexC SR ADV

ADVANCED series

Product description

- Independent fixed output LED Driver
- Adjustable output current between 700, 900 and 1,050 mA
- Max. output power 42 W
- Up to 88 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

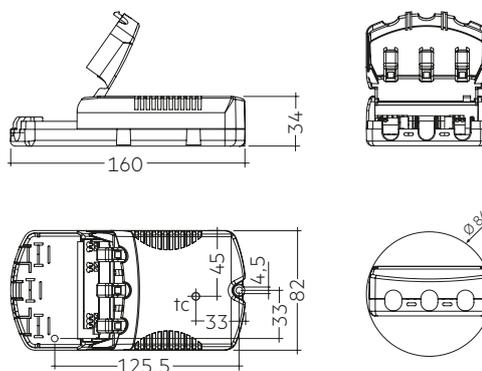
- Input terminals: 0° screw terminals
- Output terminals: 45° push terminals

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Overtemperature protection
- Burst protection voltage 1 kV
- Burst protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality applications
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Max. input current (at 230 V, 50 Hz, full load)	0.23 A
Leakage current (at 230 V, 50 Hz, full load)	< 400 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Max. input power	49 W
Typ. power consumption (at 230 V, 50 Hz, full load) ¹⁾	48 W
Min. output power	21 W
Max. output power	42 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	88 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ^{2) 3)}	± 10 %
Max. output current peak ⁴⁾	≤ output current + 20 %
Max. output voltage	60 V
THD (at 230 V, 50 Hz, full load)	< 10 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature <i>t</i> _a (at life-time 50,000 h)	40 °C
Storage temperature <i>t</i> _s	-40 ... +80 °C
Dimensions L x W x H	159.4 x 82 x 34 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 42W 700/900/1050mA flexC SR ADV	87500624	20 pc(s).	280 pc(s).	1,120 pc(s).	0.18 kg



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Efficiency (at 230 V, 50 Hz, full load)	Efficiency (at 230 V, 50 Hz, min. load)	tc point max.	Ambient temperature ta	I-out select	Resistor ⁵⁾
LC 42W 700/900/1050mA flexC SR ADV	700 mA	30 V	52.0 V	36.4 W	42 W	190 mA	88 %	86.0 %	75 °C	-20 ... +50 °C	-	-
LC 42W 700/900/1050mA flexC SR ADV	900 mA	23 V	46.5 V	42.0 W	48 W	220 mA	88 %	84.5 %	75 °C	-20 ... +50 °C	0-1	ADV Type A
LC 42W 700/900/1050mA flexC SR ADV	1,050 mA	20 V	40.0 V	42.0 W	48 W	220 mA	88 %	84.0 %	75 °C	-20 ... +50 °C	0-2	ADV Type A

¹⁾ Test result at 1,050 mA.
²⁾ Output current is mean value.
³⁾ Test result at default output current.
⁴⁾ Test result at 25 °C.
⁵⁾ Type A is a short circuit plug (0 Ω).

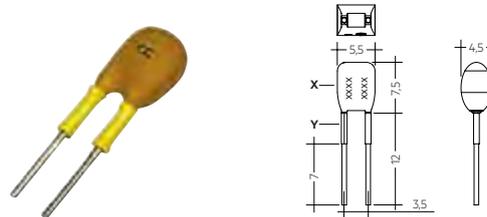
RoHS

ACCES-
SORIES

ADV Plug for output current select

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver serie LC flexC ADV; not compatible with I-select (generation 1) and I-select 2 (generation 2)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Hot plug of the resistor is not permitted
- For detailed current setting see table “Specific technical data” of the respective LED Driver and chapter 3.7 or 3.8 Current setting in data sheet



Ordering data

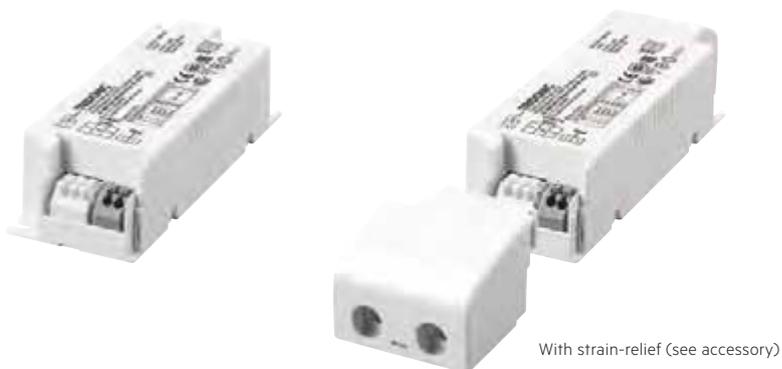
Type	Article number	Colour of X area	Colour of Y area	Marking	Resistor value	Packaging, bag	Weight per pc.
ADV Plug Type A YL	28001771	Yellow	Yellow	A	0.0 Ω	10 pc(s).	0.001 kg



Driver LC 50W 900-1200mA flexC SC ADV
ADVANCED series

Product description

- Can be either used built-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Adjustable output current between 900 and 1,200 mA, in 5 steps with ADV plug technology (pre-selected current 900 mA)
- Max. output power 51.6 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Small design (115 x 43 x 30 mm)
- Nominal life-time up to 100,000 h
- 5-year guarantee



Properties

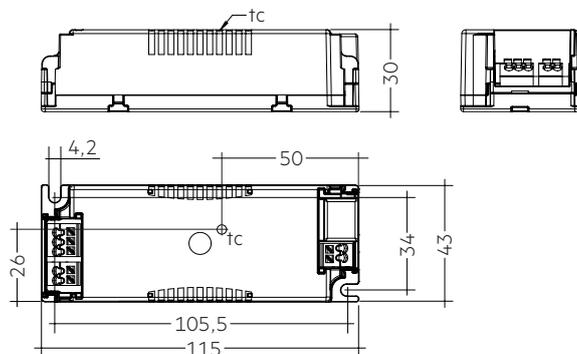
- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality applications
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Max. input current (at 230 V, 50 Hz, full load)	0.26 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Max. input power	58 W
Typ. power consumption (at 230 V, 50 Hz, full load) ¹⁾	56.5 W
Min. output power	24.3 W
Max. output power	51.6 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	90 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ²⁾	± 7.5 %
Max. output current peak ³⁾	≤ output current + 12.5 %
Max. output voltage	60 V
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t _a (at life-time 50,000 h)	50 °C
Storage temperature t _s	-40 ... +80 °C
Dimensions L x W x H	115 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 50W 900-1200mA flexC SC ADV	87500680	15 pc(s).	450 pc(s).	3,600 pc(s).	0.124 kg



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	Output select	Resistor ⁴⁾
LC 50W 900-1200mA flexC SC ADV	900 mA	27 V	43 V	38.7 W	44.5 W	190 mA	80 °C	-20 ... +50 °C	open	-
LC 50W 900-1200mA flexC SC ADV	950 mA	27 V	44 V	41.8 W	46.3 W	205 mA	80 °C	-20 ... +50 °C	0-1	ADV Type E
LC 50W 900-1200mA flexC SC ADV	1,000 mA	27 V	44 V	44.0 W	48.5 W	215 mA	80 °C	-20 ... +50 °C	0-1	ADV Type A
LC 50W 900-1200mA flexC SC ADV	1,050 mA	27 V	44 V	46.2 W	51.2 W	230 mA	80 °C	-20 ... +50 °C	0-2	ADV Type F
LC 50W 900-1200mA flexC SC ADV	1,200 mA	31 V	43 V	51.6 W	56.5 W	250 mA	80 °C	-20 ... +50 °C	0-2	ADV Type A

¹⁾ Test result at 1,200 mA.
²⁾ Output current is mean value.
³⁾ Test result at 25 °C.
⁴⁾ Type A is a short circuit plug (0 Ω).



ACCESSORIES

Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



ACU SC 30x43x30mm CLIP-ON SR SET (28001168, non-pre-assembled)



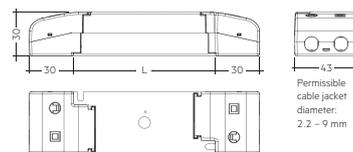
ACU SC 30x43x30mm CLIP-ON SR SET 300 (28001351, non-pre-assembled, 300 pcs. packaging)



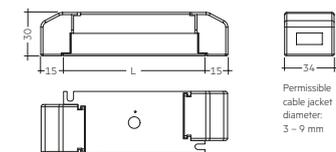
ACU SC 30x43x30mm CLIP-ON SR PA (28001699, pre-assembled)



ACU SC 15x43x30mm CLIP-ON SR PA (28001574, pre-assembled)



ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.
 28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.
 28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).



Driver LC 60W 1000-1400mA flexC SC ADV

ADVANCED series

Product description

- Can be either used built-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Adjustable output current between 1,000 and 1,400 mA, in 5 steps with ADV plug technology (pre-selected current 1,000 mA)
- Max. output power 61.6 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Small design (130 x 43 x 30 mm)
- Nominal life-time up to 100,000 h
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

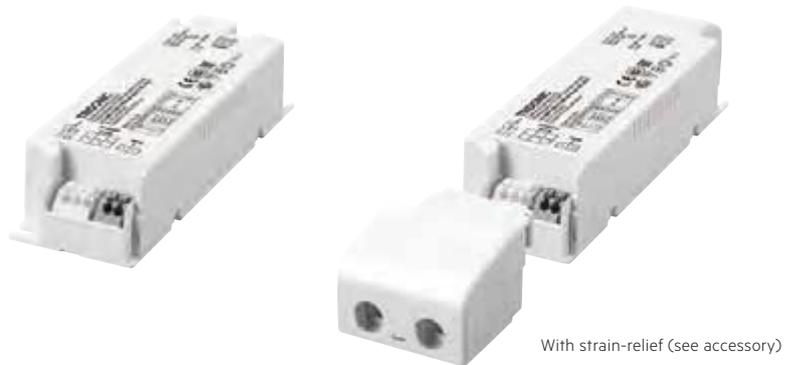
- For spot light and downlight in retail and hospitality applications
- For panel light and area light in office and education application

→ For product data sheet go to www.tridonic.com, or available on request

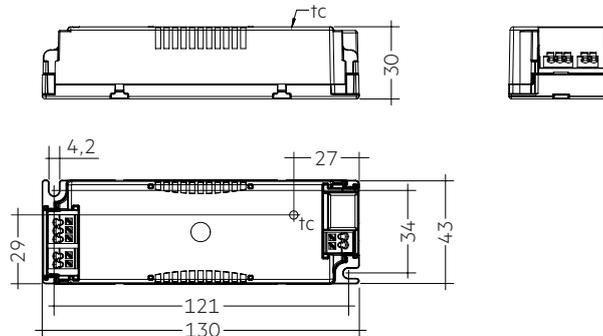


For standards see data sheet

Product / function matrix, [page 30](#)



With strain-relief (see accessory)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Max. input current (at 230 V, 50 Hz, full load)	0.3 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Max. input power	70 W
Typ. power consumption (at 230 V, 50 Hz, full load) ¹⁾	68 W
Min. output power	32 W
Max. output power	61.6 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	90 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ²⁾	± 7.5 %
Max. output current peak ³⁾	≤ output current + 12.5 %
Max. output voltage	60 V
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature <i>t</i> _a (at life-time 50,000 h)	50 °C
Storage temperature <i>t</i> _s	-40 ... +80 °C
Dimensions L x W x H	130 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 60W 1000-1400mA flexC SC ADV	87500681	15 pc(s).	390 pc(s).	3,120 pc(s).	0.158 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	Iout select	Resistor ⁴⁾
LC 60W 1000-1400mA flexC SC ADV	1,000 mA	32 V	40 V	40.0 W	45 W	200 mA	85 °C	-20 ... +50 °C	open	-
LC 60W 1000-1400mA flexC SC ADV	1,050 mA	30 V	40 V	42.0 W	47 W	210 mA	85 °C	-20 ... +50 °C	0-1	ADV Type E
LC 60W 1000-1400mA flexC SC ADV	1,100 mA	28 V	42 V	46.2 W	51 W	230 mA	85 °C	-20 ... +50 °C	0-1	ADV Type A
LC 60W 1000-1400mA flexC SC ADV	1,200 mA	27 V	44 V	52.8 W	59 W	260 mA	85 °C	-20 ... +50 °C	0-2	ADV Type F
LC 60W 1000-1400mA flexC SC ADV	1,400 mA	27 V	44 V	61.6 W	68 W	300 mA	85 °C	-20 ... +50 °C	0-2	ADV Type A

¹⁾ Test result at 1400 mA.
²⁾ Output current is mean value.
³⁾ Test result at 25 °C.
⁴⁾ Type A is a short circuit plug (0 Ω).



**ACCES-
SORIES**

Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



ACU SC 30x43x30mm CLIP-ON SR SET (28001168, non-pre-assembled)



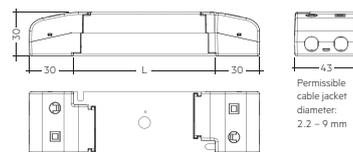
ACU SC 30x43x30mm CLIP-ON SR SET 300 (28001351, non-pre-assembled, 300 pcs. packaging)



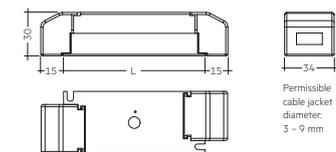
ACU SC 30x43x30mm CLIP-ON SR PA (28001699, pre-assembled)



ACU SC 15x43x30mm CLIP-ON SR PA (28001574, pre-assembled)



ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.
 28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.
 28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).



Driver LC 60W 1050/1200/1400mA flexC SR ADV

ADVANCED series

Product description

- Independent fixed output LED Driver
- Adjustable output current between 1,050, 1,200 and 1,400 mA
- Max. output power 60 W
- Up to 90,5 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

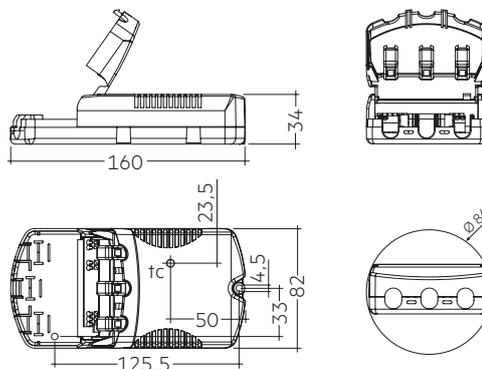
- Input terminals: 0° screw terminals
- Output terminals: 45° push terminals

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Overtemperature protection
- Burst protection voltage 1 kV
- Burst protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality applications
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Max. input current (at 230 V, 50 Hz, full load)	0.31 A
Leakage current (at 230 V, 50 Hz, full load)	< 400 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Max. input power	68 W
Typ. power consumption (at 230 V, 50 Hz, full load) ¹⁾	67 W
Min. output power	30 W
Max. output power	60 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	90.5 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ^{2) 3)}	± 10 %
Max. output current peak ⁴⁾	≤ output current + 20 %
Max. output voltage	60 V
THD (at 230 V, 50 Hz, full load)	< 10 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature <i>t</i> _a (at life-time 50,000 h)	40 °C
Storage temperature <i>t</i> _s	-40 ... +80 °C
Dimensions L x W x H	159.4 x 82 x 34 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 60W 1050/1200/1400mA flexC SR ADV	87500625	20 pc(s).	280 pc(s).	1,120 pc(s).	0.202 kg



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Efficiency (at 230 V, 50 Hz, full load)	Efficiency (at 230 V, 50 Hz, min. load)	tc point max.	Ambient temperature ta	I-out select	Resistor ⁵⁾
LC 60W 1050/1200/1400mA flexC SR ADV	1,050 mA	28.5 V	54 V	57 W	63 W	280 mA	90.5 %	87.5 %	80 °C	-20 ... +50 °C	-	-
LC 60W 1050/1200/1400mA flexC SR ADV	1,200 mA	25.0 V	50 V	60 W	67 W	300 mA	90.5 %	87.5 %	80 °C	-20 ... +50 °C	0-1	ADV Type A
LC 60W 1050/1200/1400mA flexC SR ADV	1,400 mA	21.5 V	43 V	60 W	67 W	300 mA	90.5 %	86.0 %	80 °C	-20 ... +50 °C	0-2	ADV Type A

¹⁾ Test result at 1,400 mA.
²⁾ Output current is mean value.
³⁾ Test result at default output current.
⁴⁾ Test result at 25 °C.
⁵⁾ Type A is a short circuit plug (0 Ω).

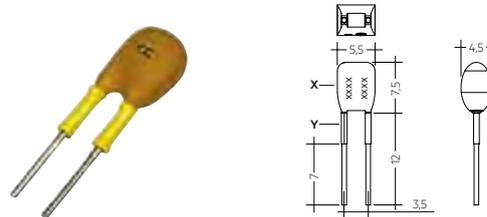
RoHS

ACCES-
SORIES

ADV Plug for output current select

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver serie LC flexC ADV; not compatible with I-select (generation 1) and I-select 2 (generation 2)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Hot plug of the resistor is not permitted
- For detailed current setting see table "Specific technical data" of the respective LED Driver and chapter 3.7 or 3.8 Current setting in data sheet



Ordering data

Type	Article number	Colour of X area	Colour of Y area	Marking	Resistor value	Packaging, bag	Weight per pc.
ADV Plug Type A YL	28001771	Yellow	Yellow	A	0.0 Ω	10 pc(s).	0.001 kg

**Driver LC 18W 350mA UNV C ADV**

ADVANCED series (UL certified)

Product description

- Built-in constant current LED Driver
- For dry and damp location
- Max. output power 18 W
- Up to 84 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- UL and ENEC certified
- 5-year guarantee

Housing properties

- Casing: plastic, white
- Potted version
- Type of protection IP54

Interfaces

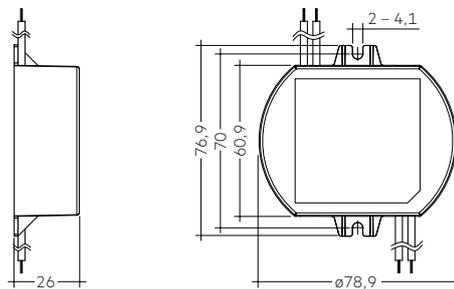
- Single wires with tinned wire ends

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV (L to N)
- Surge protection voltage 1 kV (L to N)

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request

**Technical data**

Rated supply voltage	100 – 277 V
AC voltage range	90 – 305 V
Max. input current (at 277 V, 60 Hz, full load)	0.13 A
Max. input current (at 120 V, 60 Hz, full load)	0.3 A
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 2 h
Max. input power	22.8 W
Typ. power consumption (at 230 V, 50 Hz, full load)	22.2 W
Min. output power	12 W
Max. output power	18 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	84 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.9C
Output current ²⁾	350 mA
Output current tolerance ²⁾	± 5 %
Max. output current peak (non-repetitive)	720 mA
Typ. current ripple (at 230 V, 50 Hz, full load)	± 40 %
Min. forward voltage	33 V
Max. forward voltage	52 V
Max. output voltage	60 V
THD (at 230 V, 50 Hz, full load)	< 20 %
Starting time (at 230 V, 50 Hz, full load)	≤ 1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.4 s
Hold on time at power failure (output)	0 s
Max. casing temperature t _c	85 °C
Ambient temperature t _a	-20 ... +60 °C
Ambient temperature t _a (at life-time 50,000 h)	55 °C
Storage temperature t _s	-20 ... +80 °C
Dimensions L x W x H	76.9 x 78.9 x 26 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 18W 350mA UNV C ADV	28001765	40 pc(s).	2,400 pc(s).	0.2 kg

¹⁾ Test result at 350 mA.²⁾ Output current is mean value.

IP44 SELV   
   



Driver LC 21W 700mA UNV C ADV

ADVANCED series (UL certified)

Product description

- Built-in constant current LED Driver
- For dry and damp location
- Max. output power 21 W
- Up to 86 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- UL and ENEC certified
- 5-year guarantee

Housing properties

- Casing: plastic, white
- Potted version
- Type of protection IP44

Interfaces

- Single wires with tinned wire ends

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV (L to N)
- Surge protection voltage 1 kV (L to N)

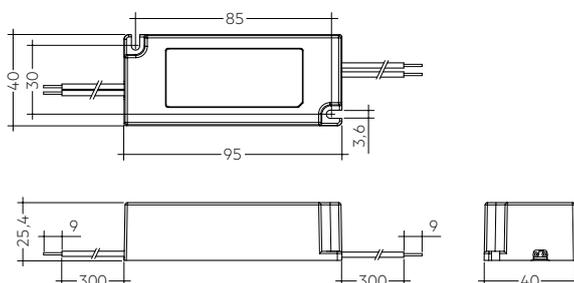
Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

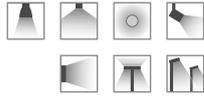
Rated supply voltage	120 – 277 V
AC voltage range	108 – 305 V
Max. input current (at 277 V, 60 Hz, full load)	0.1 A
Max. input current (at 120 V, 60 Hz, full load)	0.23 A
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 2 h
Max. input power	25 W
Typ. power consumption (at 230 V, 50 Hz, full load)	23 W
Min. output power	10 W
Max. output power	20 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	86 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current ²⁾	700 mA
Output current tolerance ²⁾	± 5 %
Max. output current peak (non-repetitive)	770 mA
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Min. forward voltage	14 V
Max. forward voltage	28 V
Max. output voltage	33 V
THD (at 230 V, 50 Hz, full load)	< 20 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.1 s
Hold on time at power failure (output)	0 s
Max. casing temperature t _c	85 °C
Ambient temperature t _a	-20 ... +60 °C
Ambient temperature t _a (at life-time 50,000 h)	50 °C
Storage temperature t _s	-40 ... +80 °C
Dimensions L x W x H	95 x 40 x 25.4 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 21W 700mA UNV C ADV	28001760	40 pc(s).	1,920 pc(s).	0.16 kg

¹⁾ Test result at 700 mA.

²⁾ Output current is mean value.



Driver LC 31W 700mA UNV C ADV

ADVANCED series (UL certified)

Product description

- Built-in constant current LED Driver
- For dry and damp location
- Max. output power 31 W
- Up to 88 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- UL and ENEC certified
- 5-year guarantee

Housing properties

- Casing: plastic, white
- Potted version
- Type of protection IP44

Interfaces

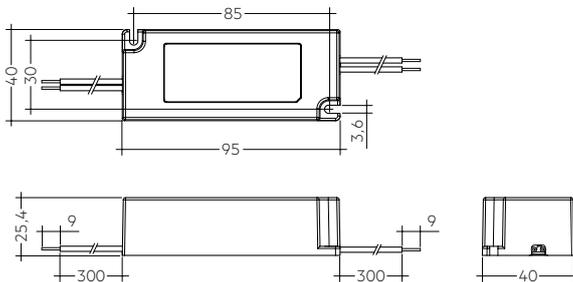
- Single wires with tinned wire ends

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV (L to N)
- Surge protection voltage 1 kV (L to N)

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	120 – 277 V
AC voltage range	108 – 305 V
Max. input current (at 277 V, 60 Hz, full load)	0.15 A
Max. input current (at 120 V, 60 Hz, full load)	0.34 A
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 2 h
Max. input power	37 W
Typ. power consumption (at 230 V, 50 Hz, full load)	35 W
Min. output power	20 W
Max. output power	30.8 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	88 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current ²⁾	700 mA
Output current tolerance ²⁾	± 5 %
Max. output current peak (non-repetitive)	770 mA
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Min. forward voltage	29 V
Max. forward voltage	43 V
Max. output voltage	48 V
THD (at 230 V, 50 Hz, full load)	< 20 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Max. casing temperature t _c	85 °C
Ambient temperature t _a	-20 ... +60 °C
Ambient temperature t _a (at life-time 50,000 h)	45 °C
Storage temperature t _s	-40 ... +80 °C
Dimensions L x W x H	95 x 40 x 25.4 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 31W 700mA UNV C ADV	28001762	40 pc(s).	1,920 pc(s).	0.16 kg

¹⁾ Test result at 700 mA.

²⁾ Output current is mean value.



NEW

Driver LC 8W 180/200mA fixC SC SNC2
ESSENCE series

Product description

- Fixed output LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Output current 180 or 200 mA
- Max. output power 8 W
- For luminaires of protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Independent LED Driver with cable clamps
- Nominal life-time up to 50,000 h
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 0.5 kV (L to N)
- Surge protection voltage 1 kV (L/N to earth)

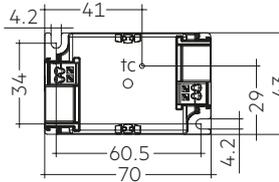
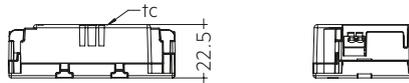
Typical applications

- For spot light and downlight in retail and hospitality application
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 160 %
Output current tolerance ³⁾	± 7.5 %
Typ. output LF current ripple at full load	± 5 %
Starting time (at 230 V, 50 Hz, full load)	≈ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≈ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	70 x 43 x 22.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 8/180/44 fixC SC SNC2	87500793	40 pc(s).	1,040 pc(s).	7,280 pc(s).	0.038 kg
LC 8/200/40 fixC SC SNC2	87500794	40 pc(s).	1,040 pc(s).	7,280 pc(s).	0.038 kg

Specific technical data

Type	Output current ³⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output peak current ²⁾	Max. casing temperature tc
LC 8/180/44 fixC SC SNC2	180 mA	0.088 A	10 W	9.5 W	5.4 - 7.9 W	0.5C	82 %	0.5C	80 %	30 V	44 V	100 V	205 mA	75 °C
LC 8/200/40 fixC SC SNC2	200 mA	0.088 A	10 W	9.5 W	4.6 - 8.0 W	0.5C	82 %	0.5C	80 %	23 V	40 V	100 V	225 mA	75 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

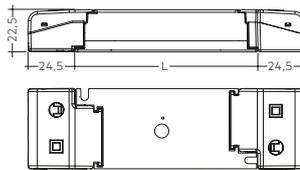
³⁾ Output current is mean value.



Strain-relief set 43x22.5mm

Product description

- Optional strain-relief set for independent applications
- Easy and tool-free mounting to the LED Driver
- Screwless cable-clamp channels
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Overall length = length L (LED Driver)
+ 2 x 24.5 mm (strain-relief set)



Permissible
cable jacket
diameter:
2.2 – 9 mm

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x22.5mm CLIP-ON SR SET	28001534	10 pc(s).	200 pc(s).	0.027 kg

¹⁾ A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.



NEW

Driver LC 8W 180/200mA fixC SR SNC2
ESSENCE series

Product description

- Independent driver with strain-relief housing
- Extra flat housing for constrained installation conditions (small ceiling cut outs and low ceiling voids)
- Max. output power 8 W
- Output current 180 or 200 mA
- For luminaires of protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20
- Push-in terminals
- 2 separate strain relief parts for input and output cables with highly robust clamps

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- No output current overshoot at mains on/off
- Burst protection voltage 1 kV
- Surge protection voltage 0.5 kV (L to N)
- Surge protection voltage 1 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality application
- For panel light and area light in office and education application

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

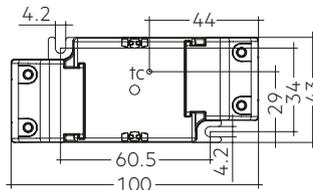
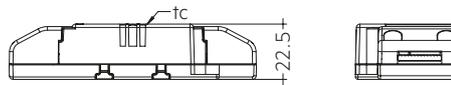
Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ²⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power	Efficiency at full load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage	Max. output peak current	Max. casing temperature tc
LC 8/180/44 fixC SR SNC2	180 mA	0.088 A	10 W	9.5 W	5.4 - 7.9 W	82 %	80 %	30 V	44 V	100 V	205 mA	75 °C
LC 8/200/40 fixC SR SNC2	200 mA	0.088 A	10 W	9.5 W	4.6 - 8.0 W	82 %	80 %	23 V	40 V	100 V	225 mA	75 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ Output current is mean value.



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
λ at full load ¹⁾	0.5C
λ at min. load ¹⁾	0.5C
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 160 %
Output current tolerance ²⁾	± 7.5 %
Typ. output LF current ripple at full load	± 5 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	100 x 43 x 22.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 8/180/44 fixC SR SNC2	87500799	19 pc(s).	703 pc(s).	4,921 pc(s).	0.052 kg
LC 8/200/40 fixC SR SNC2	87500800	19 pc(s).	703 pc(s).	4,921 pc(s).	0.052 kg



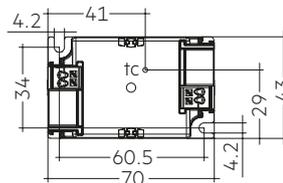
NEW

Driver LC 10W 250/350/500/700mA fixC SC SNC2

ESSENCE series

Product description

- Fixed output LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Output current 250, 350, 500 or 700 mA
- Max. output power 10 W
- For luminaires of protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Independent LED Driver with cable clamps
- Nominal life-time up to 50,000 h
- 5-year guarantee



Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 0.5 kV (L to N)
- Surge protection voltage 1 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality application
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 150 %
Output current tolerance ³⁾	± 7.5 %
Typ. output LF current ripple at full load	± 5 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature <i>t</i> _a	-20 ... +50 °C
Ambient temperature <i>t</i> _a (at life-time 50,000 h)	40 °C
Storage temperature <i>t</i> _s	-40 ... +80 °C
Dimensions L x W x H	70 x 43 x 22.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 10/250/40 fixC SC SNC2	87500795	40 pc(s).	1,040 pc(s).	7,280 pc(s).	0.039 kg
LC 10/350/29 fixC SC SNC2	87500796	40 pc(s).	1,040 pc(s).	7,280 pc(s).	0.039 kg
LC 10/500/20 fixC SC SNC2	87500797	40 pc(s).	1,040 pc(s).	7,280 pc(s).	0.039 kg
LC 10/700/14.5 fixC SC SNC2	87500798	40 pc(s).	1,040 pc(s).	7,280 pc(s).	0.039 kg

Specific technical data

Type	Output current ³⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output peak current ²⁾	Max. casing temperature <i>t</i> _c
LC 10/250/40 fixC SC SNC2	250 mA	0.1 A	13 W	12.3 W	5.8 - 10.0 W	0.55C	82 %	0.5C	80 %	23 V	40.0 V	100 V	280 mA	80 °C
LC 10/350/29 fixC SC SNC2	350 mA	0.1 A	13 W	12.5 W	6.0 - 10.2 W	0.55C	82 %	0.5C	80 %	17 V	29.0 V	75 V	395 mA	80 °C
LC 10/500/20 fixC SC SNC2	500 mA	0.1 A	13 W	12.3 W	5.5 - 10.0 W	0.55C	81 %	0.5C	79 %	11 V	20.0 V	60 V	565 mA	80 °C
LC 10/700/14.5 fixC SC SNC2	700 mA	0.1 A	13 W	12.6 W	5.6 - 10.2 W	0.55C	80 %	0.5C	78 %	8 V	14.5 V	50 V	790 mA	80 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

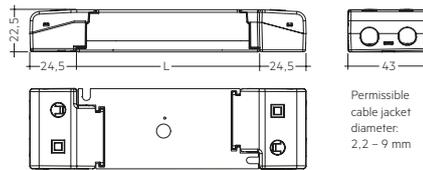
³⁾ Output current is mean value.



Strain-relief set 43x22.5mm

Product description

- Optional strain-relief set for independent applications
- Easy and tool-free mounting to the LED Driver
- Screwless cable-clamp channels
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Overall length = length L (LED Driver)
+ 2 x 24.5 mm (strain-relief set)



Permissible
cable jacket
diameter:
2,2 – 9 mm

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x22.5mm CLIP-ON SR SET	28001534	10 pc(s).	200 pc(s).	0.027 kg

¹⁾ A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.



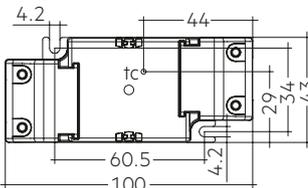
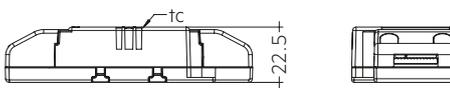
NEW

Driver LC 10W 250/350/500/700mA fixC SR SNC2

ESSENCE series

Product description

- Independent driver with strain-relief housing
- Extra flat housing for constrained installation conditions (small ceiling cut outs and low ceiling voids)
- Max. output power 10 W
- Output current 250, 350, 500 or 700 mA
- For luminaires of protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee



Properties

- Casing: polycarbonate, white
- Type of protection IP20
- Push-in terminals
- 2 separate strain relief parts for input and output cables with highly robust clamps

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- No output current overshoot at mains on/off
- Burst protection voltage 1 kV
- Surge protection voltage 0.5 kV (L to N)
- Surge protection voltage 1 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality application
- For panel light and area light in office and education application

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
λ at full load ¹⁾	0.55C
λ at min. load ¹⁾	0.5C
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 150 %
Output current tolerance ²⁾	± 7.5 %
Typ. output LF current ripple at full load	± 5 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	100 x 43 x 22.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 10/250/40 fixC SR SNC2	87500801	19 pc(s).	703 pc(s).	4,921 pc(s).	0.052 kg
LC 10/350/29 fixC SR SNC2	87500802	19 pc(s).	703 pc(s).	4,921 pc(s).	0.053 kg
LC 10/500/20 fixC SR SNC2	87500803	19 pc(s).	703 pc(s).	4,921 pc(s).	0.053 kg
LC 10/700/14.5 fixC SR SNC2	87500804	19 pc(s).	703 pc(s).	4,921 pc(s).	0.053 kg

Specific technical data

Type	Output current ²⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power	Efficiency at full load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage	Max. output current	Max. casing temperature t_c
LC 10/250/40 fixC SR SNC2	250 mA	0.1 A	13 W	12.3 W	5.8 - 10.0 W	82 %	80 %	23 V	40.0 V	100 V	280 mA	80 °C
LC 10/350/29 fixC SR SNC2	350 mA	0.1 A	13 W	12.5 W	6.0 - 10.2 W	82 %	80 %	17 V	29.0 V	75 V	395 mA	80 °C
LC 10/500/20 fixC SR SNC2	500 mA	0.1 A	13 W	12.3 W	5.5 - 10.0 W	81 %	79 %	11 V	20.0 V	60 V	565 mA	80 °C
LC 10/700/14.5 fixC SR SNC2	700 mA	0.1 A	13 W	12.6 W	5.6 - 10.2 W	80 %	78 %	8 V	14.5 V	50 V	790 mA	80 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ Output current is mean value.



NEW

Driver LC 15W 300/350mA fixC SC SNC2
ESSENCE series

Product description

- Fixed output LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Output current 300 or 350 mA
- Max. output power 15 W
- For luminaires of protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Independent LED Driver with cable clamps
- Nominal life-time up to 50,000 h
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 0.5 kV (L to N)
- Surge protection voltage 1 kV (L/N to earth)

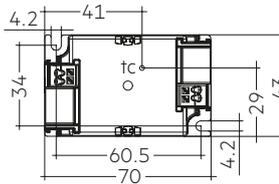
Typical applications

- For spot light and downlight in retail and hospitality application
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 150 %
Output current tolerance ³⁾	± 7.5 %
Typ. output LF current ripple at full load	± 5 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	70 x 43 x 22.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 15/300/50 fixC SC SNC2	87500718	40 pc(s).	1,040 pc(s).	7,280 pc(s).	0.045 kg
LC 15/350/43 fixC SC SNC2	87500729	40 pc(s).	1,040 pc(s).	7,280 pc(s).	0.045 kg

Specific technical data

Type	Output current ³⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output peak current ²⁾	Max. casing temperature tc
LC 15/300/50 fixC SC SNC2	300 mA	0.145 A	18 W	17.7 W	8.4 - 15.0 W	0.55C	87 %	0.55C	85 %	28 V	50 V	85 V	340 mA	80 °C
LC 15/350/43 fixC SC SNC2	350 mA	0.145 A	18 W	17.7 W	8.8 - 15.1 W	0.55C	86 %	0.55C	84 %	25 V	43 V	85 V	400 mA	80 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

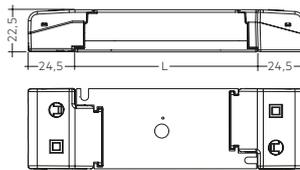
³⁾ Output current is mean value.



Strain-relief set 43x22.5mm

Product description

- Optional strain-relief set for independent applications
- Easy and tool-free mounting to the LED Driver
- Screwless cable-clamp channels
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Overall length = length L (LED Driver)
+ 2 x 24.5 mm (strain-relief set)



Permissible
cable jacket
diameter:
2.2 – 9 mm

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x22.5mm CLIP-ON SR SET	28001534	10 pc(s).	200 pc(s).	0.027 kg

¹⁾ A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.



NEW

Driver LC 15W 300/350mA fixC SR SNC2
ESSENCE series

Product description

- Independent driver with strain-relief housing
- Extra flat housing for constrained installation conditions (small ceiling cut outs and low ceiling voids)
- Max. output power 15 W
- Output current 300 or 350 mA
- For luminaires of protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20
- Push-in terminals
- 2 separate strain relief parts for input and output cables with highly robust clamps

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- No output current overshoot at mains on/off
- Burst protection voltage 1 kV
- Surge protection voltage 0.5 kV (L to N)
- Surge protection voltage 1 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality application
- For panel light and area light in office and education application

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

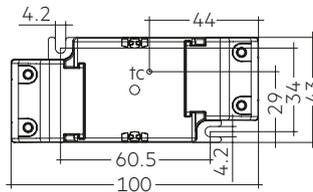
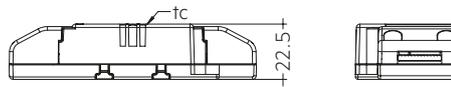
Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ²⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power	Efficiency at full load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage	Max. output peak current	Max. casing temperature tc
LC 15/300/50 fixC SR SNC2	300 mA	0.145 A	18 W	17.7 W	8.4 - 15.0 W	87 %	85 %	28 V	50 V	85 V	340 mA	80 °C
LC 15/350/43 fixC SR SNC2	350 mA	0.145 A	18 W	17.7 W	8.8 - 15.1 W	86 %	84 %	25 V	43 V	85 V	400 mA	80 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ Output current is mean value.



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
λ at full load ¹⁾	0.55C
λ at min. load ¹⁾	0.55C
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 150 %
Output current tolerance ²⁾	± 7.5 %
Typ. output LF current ripple at full load	± 5 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	100 x 43 x 22.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 15/300/50 fixC SR SNC2	87500746	19 pc(s).	703 pc(s).	4,921 pc(s).	0.058 kg
LC 15/350/43 fixC SR SNC2	87500747	19 pc(s).	703 pc(s).	4,921 pc(s).	0.058 kg



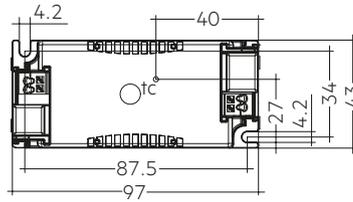
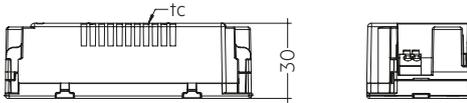
NEW

Driver LC 25W 350/500/600/700mA fixC SC SNC2

ESSENCE series

Product description

- Fixed output LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Output current 350, 500, 600 or 700 mA
- Max. output power 25 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Independent LED Driver with cable clamps
- Nominal life-time up to 50,000 h
- 5-year guarantee



Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality application
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. output LF current ripple at full load ⁴⁾	± 25 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	97 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 25/350/71 fixC SC SNC2	87500732	15 pc(s).	555 pc(s).	3,885 pc(s).	0.078 kg
LC 25/500/43 fixC SC SNC2	87500733	15 pc(s).	555 pc(s).	3,885 pc(s).	0.079 kg
LC 25/600/42 fixC SC SNC2	87500734	15 pc(s).	555 pc(s).	3,885 pc(s).	0.078 kg
LC 25/700/36 fixC SC SNC2	87500735	15 pc(s).	555 pc(s).	3,885 pc(s).	0.078 kg

Specific technical data

Type	Output current ³⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output current ²⁾	Max. casing temperature t_c
LC 25/350/71 fixC SC SNC2	350 mA	0.130 A	28 W	270 W	15.8 - 24.9 W	0.93C	89 %	0.88C	88 %	45 V	71 V	100 V	490 mA	70 °C
LC 25/500/43 fixC SC SNC2	500 mA	0.120 A	25 W	24.0 W	13.5 - 21.5 W	0.90C	90 %	0.87C	88 %	27 V	43 V	60 V	700 mA	65 °C
LC 25/600/42 fixC SC SNC2	600 mA	0.135 A	29 W	27.5 W	16.2 - 25.2 W	0.93C	90 %	0.88C	88 %	27 V	42 V	60 V	840 mA	70 °C
LC 25/700/36 fixC SC SNC2	700 mA	0.135 A	29 W	27.5 W	16.1 - 25.2 W	0.93C	90 %	0.88C	88 %	23 V	36 V	50 V	980 mA	70 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

⁴⁾ Typical value at full load, depends on load's voltage-current character.



Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



ACU SC 30x43x30mm CLIP-ON SR SET
(28001168, non-pre-assembled)



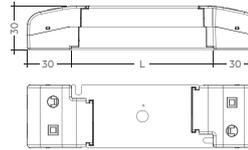
ACU SC 30x43x30mm CLIP-ON SR SET 300
(28001351, non-pre-assembled, 300 pcs. packaging)



ACU SC 30x43x30mm CLIP-ON SR PA
(28001699, pre-assembled)

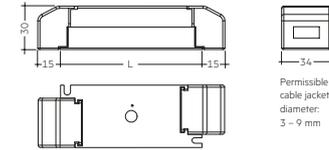


ACU SC 15x43x30mm CLIP-ON SR PA
(28001574, pre-assembled)



Permissible cable jacket diameter: 2.2 - 9 mm

ACU SC 30x43x30mm CLIP-ON SR SET / PA



Permissible cable jacket diameter: 3 - 9 mm

ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.

28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.

28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).



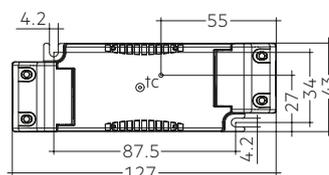
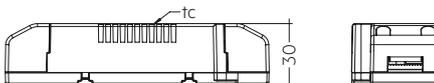
NEW

Driver LC 25W 350/500/600/700mA fixC SR SNC2

ESSENCE series

Product description

- Independent LED Driver with cable clamps
- Max. output power 25 W
- Output current 350, 500, 600 or 700 mA
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee



Properties

- Casing: polycarbonate, white
- Type of protection IP20
- Push-in terminals
- 2 separate strain relief parts for input and output cables with highly robust clamps

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- No output current overshoot at mains on/off
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality application
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	≤ 20 %
THD (at 230 V, 50 Hz, min. load)	≤ 20 %
Output current tolerance ²⁾	± 7.5 %
Typ. output LF current ripple at full load ³⁾	± 25 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	127 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 25/350/71 fixC SR SNC2	87500750	14 pc(s).	364 pc(s).	2,548 pc(s).	0.096 kg
LC 25/500/43 fixC SR SNC2	87500751	14 pc(s).	364 pc(s).	2,548 pc(s).	0.096 kg
LC 25/600/42 fixC SR SNC2	87500752	14 pc(s).	364 pc(s).	2,548 pc(s).	0.096 kg
LC 25/700/36 fixC SR SNC2	87500753	14 pc(s).	364 pc(s).	2,548 pc(s).	0.096 kg

Specific technical data

Type	Output current ²⁾	Typ. rated current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage	Max. output peak current at full load ⁴⁾	Max. output peak current at min. load ⁴⁾	Max. casing temperature t_c
LC 25/350/71 fixC SR SNC2	350 mA	0.130 A	28 W	27.0 W	15.8 - 24.9 W	0.93C	89 %	0.88C	88 %	45 V	71 V	100 V	490 mA	560 mA	70 °C
LC 25/500/43 fixC SR SNC2	500 mA	0.120 A	25 W	24.0 W	13.5 - 21.5 W	0.90C	90 %	0.87C	88 %	27 V	43 V	60 V	700 mA	800 mA	65 °C
LC 25/600/42 fixC SR SNC2	600 mA	0.135 A	29 W	27.5 W	16.2 - 25.2 W	0.93C	90 %	0.88C	88 %	27 V	42 V	60 V	840 mA	970 mA	70 °C
LC 25/700/36 fixC SR SNC2	700 mA	0.135 A	29 W	27.5 W	16.1 - 25.2 W	0.93C	90 %	0.88C	88 %	23 V	36 V	50 V	980 mA	1,130 mA	70 °C

¹⁾ Test result at 230 V, 50 Hz.²⁾ Output current is mean value.³⁾ Typical value at full load, depends on load's voltage-current character.⁴⁾ The trend between min. and full load is linear and depends on load's voltage-current character.



NEW

Driver LC 30W 350/500/700mA fixC SC SNC2
ESSENCE series

Product description

- Fixed output LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Output current 350, 500 or 700 mA
- Max. output power 30 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Independent LED Driver with cable clamps
- Nominal life-time up to 50,000 h
- 5-year guarantee

Properties

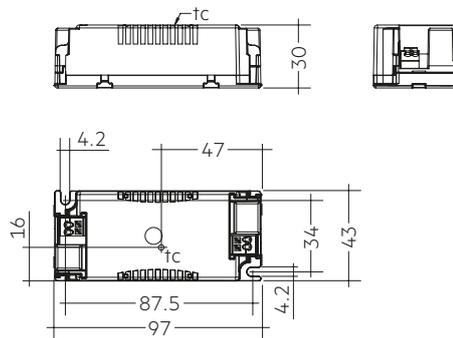
- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality application
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. output LF current ripple at full load ⁴⁾	± 25 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	97 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 30/350/86 fixC SC SNC2	87500736	15 pc(s).	555 pc(s).	3,885 pc(s).	0.093 kg
LC 30/500/54 fixC SC SNC2	87500737	15 pc(s).	555 pc(s).	3,885 pc(s).	0.093 kg
LC 30/700/43 fixC SC SNC2	87500739	15 pc(s).	555 pc(s).	3,885 pc(s).	0.093 kg

Specific technical data

Type	Output current (at 230 V, 50 Hz, full load) ³⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output peak current at full load ²⁾	Max. output peak current at min. load ²⁾	Max. casing temperature tc
LC 30/350/86 fixC SC SNC2	350 mA	0.150 A	34 W	33 W	15.1 - 30.1 W	0.95	89 %	0.90C	87 %	43 V	86 V	100 V	490 mA	570 mA	75 °C
LC 30/500/54 fixC SC SNC2	500 mA	0.140 A	31 W	30 W	13.5 - 27.0 W	0.95	89 %	0.90C	87 %	27 V	54 V	60 V	700 mA	810 mA	75 °C
LC 30/700/43 fixC SC SNC2	700 mA	0.150 A	34 W	33 W	18.9 - 30.1 W	0.95	89 %	0.90C	87 %	27 V	43 V	60 V	980 mA	1,130 mA	80 °C

¹⁾ Test result at 230 V, 50 Hz.
²⁾ The trend between min. and full load is linear.
³⁾ Output current is mean value.
⁴⁾ Typical value at full load, depends on load's voltage-current character.



ACCESSORIES

Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



ACU SC 30x43x30mm CLIP-ON SR SET
(28001168, non-pre-assembled)



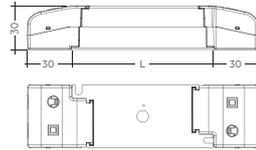
ACU SC 30x43x30mm CLIP-ON SR SET 300
(28001351, non-pre-assembled, 300 pcs. packaging)



ACU SC 30x43x30mm CLIP-ON SR PA
(28001699, pre-assembled)



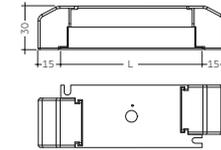
ACU SC 15x43x30mm CLIP-ON SR PA
(28001574, pre-assembled)



ACU SC 30x43x30mm CLIP-ON SR SET / PA



Permissible cable jacket diameter: 2.2 – 9 mm



ACU SC 15x43x30mm CLIP-ON SR PA



Permissible cable jacket diameter: 3 – 9 mm

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.
 28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.
 28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).

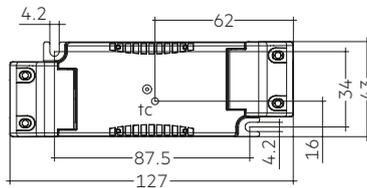
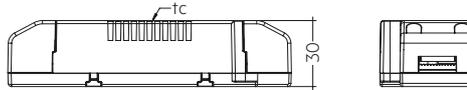


NEW

Driver LC 30W 350/500/700mA fixC SR SNC2
ESSENCE series

Product description

- Independent LED Driver with cable clamps
- Max. output power 30 W
- Output current 350, 500 or 700 mA
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee



Properties

- Casing: polycarbonate, white
- Type of protection IP20
- Push-in terminals
- 2 separate strain relief parts for input and output cables with highly robust clamps

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- No output current overshoot at mains on/off
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality application
- For panel light and area light in office and education application

→ For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	≤ 20 %
THD (at 230 V, 50 Hz, min. load)	≤ 20 %
Output current tolerance ²⁾	± 7.5 %
Typ. output LF current ripple at full load ³⁾	± 25 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	127 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 30/350/86 fixC SR SNC2	87500754	14 pc(s).	364 pc(s).	2,548 pc(s).	0.111 kg
LC 30/500/54 fixC SR SNC2	87500755	14 pc(s).	364 pc(s).	2,548 pc(s).	0.111 kg
LC 30/700/43 fixC SR SNC2	87500757	14 pc(s).	364 pc(s).	2,548 pc(s).	0.111 kg

Specific technical data

Type	Output current ²⁾	Typ. rated current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage	Max. output peak current at full load ⁴⁾	Max. output peak current at min. load ⁴⁾	Max. casing temperature tc
LC 30/350/86 fixC SR SNC2	350 mA	0.150 A	34 W	33 W	15.1 - 30.1 W	0.95	89 %	0.90C	87 %	43 V	86 V	100 V	490 mA	570 mA	75 °C
LC 30/500/54 fixC SR SNC2	500 mA	0.140 A	31 W	30 W	13.5 - 27.0 W	0.95	89 %	0.90C	87 %	27 V	54 V	60 V	700 mA	810 mA	75 °C
LC 30/700/43 fixC SR SNC2	700 mA	0.150 A	34 W	33 W	18.9 - 30.1 W	0.95	89 %	0.90C	87 %	27 V	43 V	60 V	980 mA	1,130 mA	80 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ Output current is mean value.

³⁾ Typical value at full load, depends on load's voltage-current character.

⁴⁾ The trend between min. and full load is linear and depends on load's voltage-current character.



NEW

Driver LC 35W 800mA fixC SC SNC2

ESSENCE series

Product description

- Fixed output LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Output current 800 mA
- Max. output power 35 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Independent LED Driver with cable clamps
- Nominal life-time up to 50,000 h
- 5-year guarantee

Properties

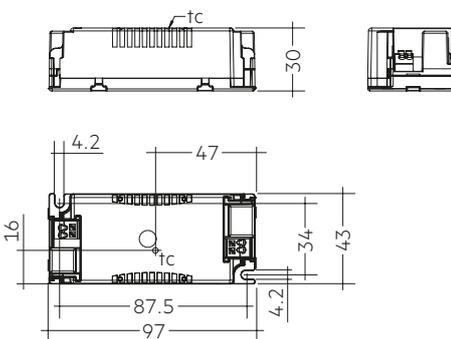
- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality application
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. output LF current ripple at full load ⁴⁾	± 25 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	97 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 35/800/43 fixC SC SNC2	87500740	15 pc(s).	555 pc(s).	3,885 pc(s).	0.093 kg

→ For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current (at 230 V, 50 Hz, full load) ³⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output peak current at full load ²⁾	Max. output peak current at min. load ²⁾	Max. casing temperature t_c
LC 35/800/43 fixC SC SNC2	800 mA	0.175 A	40 W	39 W	18.4 - 34.4 W	0.95	90 %	0.9C	88 %	23 V	43 V	60 V	1,120 mA	1,290 mA	85 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

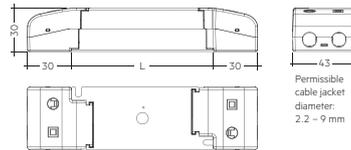
⁴⁾ Typical value at full load, depends on load's voltage-current character.



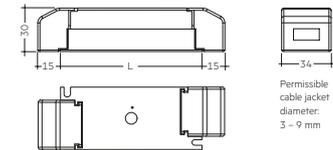
Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available

ACU SC 30x43x30mm CLIP-ON SR SET
(28001168, non-pre-assembled)ACU SC 30x43x30mm CLIP-ON SR SET 300
(28001351, non-pre-assembled, 300 pcs. packaging)ACU SC 30x43x30mm CLIP-ON SR PA
(28001699, pre-assembled)ACU SC 15x43x30mm CLIP-ON SR PA
(28001574, pre-assembled)

ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.

28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.

28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).

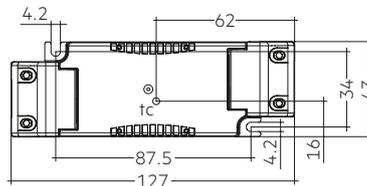
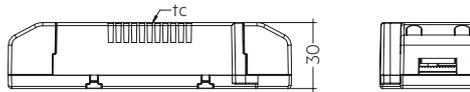


NEW

Driver LC 35W 800mA fixC SR SNC2
ESSENCE series

Product description

- Independent LED Driver with cable clamps
- Max. output power 35 W
- Output current 800 mA
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee



Properties

- Casing: polycarbonate, white
- Type of protection IP20
- Push-in terminals
- 2 separate strain relief parts for input and output cables with highly robust clamps

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- No output current overshoot at mains on/off
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality application
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	≤ 20 %
THD (at 230 V, 50 Hz, min. load)	≤ 20 %
Output current tolerance ²⁾	± 7.5 %
Typ. output LF current ripple at full load ³⁾	± 25 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	127 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 35/800/43 fixC SR SNC2	87500758	14 pc(s).	364 pc(s).	2,548pc(s).	0.111 kg

For standards see data sheet

Product / function matrix, [page 30](http://page.30)

Specific technical data

Type	Output current ²⁾	Typ. rated current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power	λ at full load ³⁾	Efficiency at full load ³⁾	λ at min. load ³⁾	Efficiency at min. load ³⁾	Min. forward voltage ⁴⁾	Max. forward voltage ¹⁾	Max. output voltage	Max. output peak current at full load ⁴⁾	Max. output peak current at min. load ⁴⁾	Max. casing temperature tc
LC 35/800/43 fixC SR SNC2	800 mA	0.175 A	40 W	39 W	18.4 - 34.4 W	0.95	90 %	0.90	88 %	23 V	43 V	60 V	1,120 mA	1,290 mA	85 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ Output current is mean value.

³⁾ Typical value at full load, depends on load's voltage-current character.

⁴⁾ The trend between min. and full load is linear and depends on load's voltage-current character.



NEW

Driver LC 40W 900/1050mA fixC SC SNC2
ESSENCE series

Product description

- Fixed output LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Output current 900 or 1,050 mA
- Max. output power 40 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Independent LED Driver with cable clamps
- Nominal life-time up to 50,000 h
- 5-year guarantee

Properties

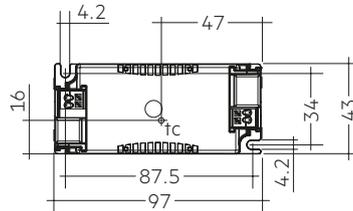
- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality application
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. output LF current ripple at full load ⁴⁾	± 25 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	97 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 40/900/45 fixC SC SNC2	87500744	15 pc(s).	555 pc(s).	3,885 pc(s).	0.093 kg
LC 40/1050/39 fixC SC SNC2	87500745	15 pc(s).	555 pc(s).	3,885 pc(s).	0.093 kg

Specific technical data

Type	Output current ³⁾	Input current (at 230 V, 50 Hz, full load)	Input power (at 230 V, 50 Hz, full load)	Max. input power	Output power range	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output at full load ²⁾	Max. output peak current at min. load ²⁾	Max. casing temperature t_c
LC 40/900/45 fixC SC SNC2	900 mA	0.220 A	45.0 W	46 W	24.3 - 40.5 W	0.95	90 %	0.90C	88 %	27 V	45 V	60 V	1,260 mA	1,450 mA	80 °C
LC 40/1050/39 fixC SC SNC2	1,050 mA	0.220 A	45.5 W	47 W	24.2 - 41.0 W	0.95	90 %	0.90C	88 %	23 V	39 V	60 V	1,470 mA	1,700 mA	85 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

⁴⁾ Typical value at full load, depends on load's voltage-current character.



Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



ACU SC 30x43x30mm CLIP-ON SR SET
(28001168, non-pre-assembled)



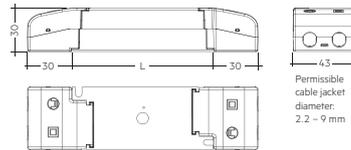
ACU SC 30x43x30mm CLIP-ON SR SET 300
(28001351, non-pre-assembled, 300 pcs. packaging)



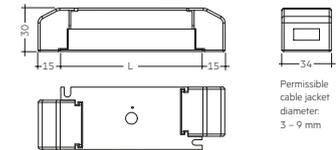
ACU SC 30x43x30mm CLIP-ON SR PA
(28001699, pre-assembled)



ACU SC 15x43x30mm CLIP-ON SR PA
(28001574, pre-assembled)



ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.
 28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.
 28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).



NEW

Driver LC 40W 900/1050mA fixC SR SNC2
ESSENCE series

Product description

- Independent LED Driver with cable clamps
- Max. output power 40 W
- Output current 900 or 1,050 mA
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20
- Push-in terminals
- 2 separate strain relief parts for input and output cables with highly robust clamps

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- No output current overshoot at mains on/off
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality application
- For panel light and area light in office and education application

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

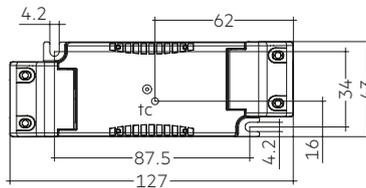
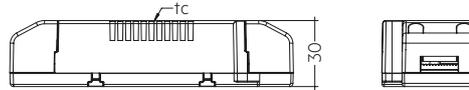
Type	Output current ²⁾	Typ. rated current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power	λ at full load ³⁾	Efficiency at full load ³⁾	λ at min. load ³⁾	Efficiency at min. load ³⁾	Min. forward voltage ³⁾	Max. forward voltage ³⁾	Max. output voltage	Max. output peak current at full load ⁴⁾	Max. output peak current at min. load ⁴⁾	Max. casing temperature t_c
LC 40/900/45 fixC SR SNC2	900 mA	0.220 A	46 W	45,0 W	24,3 - 40,5 W	0,95	90 %	0,90C	88 %	27 V	45 V	60 V	1,260 mA	1,450 mA	80 °C
LC 40/1050/39 fixC SR SNC2	1,050 mA	0.220 A	47 W	45,5 W	24,2 - 41,0 W	0,95	90 %	0,90C	88 %	23 V	39 V	60 V	1,470 mA	1,700 mA	85 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ Output current is mean value.

³⁾ Typical value at full load, depends on load's voltage-current character.

⁴⁾ The trend between min. and full load is linear and depends on load's voltage-current character.



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 μ A
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	\leq 20 %
THD (at 230 V, 50 Hz, min. load)	\leq 20 %
Output current tolerance ²⁾	\pm 7,5 %
Typ. output LF current ripple at full load ³⁾	\pm 25 %
Starting time (at 230 V, 50 Hz, full load)	\leq 0,5 s
Turn off time (at 230 V, 50 Hz, full load)	\leq 0,5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	127 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 40/900/45 fixC SR SNC2	87500762	14 pc(s).	364 pc(s).	2,548 pc(s).	0,113 kg
LC 40/1050/39 fixC SR SNC2	87500763	14 pc(s).	364 pc(s).	2,548 pc(s).	0,113 kg



NEW

Driver LC 45W 1050mA fixC SC SNC2

ESSENCE series

Product description

- Fixed output LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Output current 1,050 mA
- Max. output power 45 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Independent LED Driver with cable clamps
- Nominal life-time up to 50,000 h
- 5-year guarantee

Properties

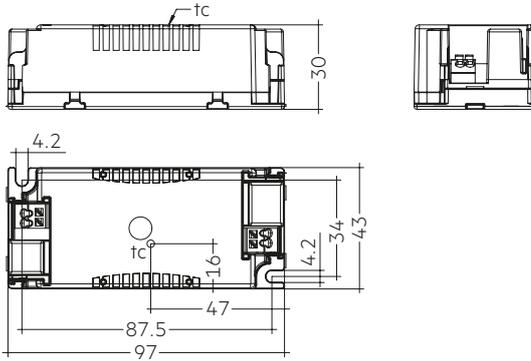
- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality application
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. output LF current ripple at full load ⁴⁾	± 25 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	97 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 45/1050/43 fixC SC SNC2	87500764	15 pc(s).	555 pc(s).	3,885 pc(s).	0.094 kg

Specific technical data

Type	Output current ³⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output peak current ²⁾	Max. casing temperature t_c
LC 45/1050/43 fixC SC SNC2	1,050 mA	0.23 A	50.5 W	50 W	26.3 - 45.2 W	0.95	90 %	0.9C	89 %	25 V	43 V	60 V	1,391 mA	90 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

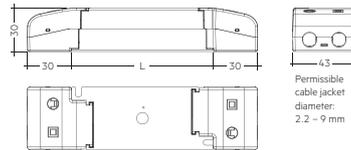
⁴⁾ Typical value at full load, depends on load's voltage-current character.



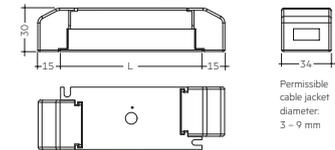
Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available

ACU SC 30x43x30mm CLIP-ON SR SET
(28001168, non-pre-assembled)ACU SC 30x43x30mm CLIP-ON SR SET 300
(28001351, non-pre-assembled, 300 pcs. packaging)ACU SC 30x43x30mm CLIP-ON SR PA
(28001699, pre-assembled)ACU SC 15x43x30mm CLIP-ON SR PA
(28001574, pre-assembled)

ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.

28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.

28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).



NEW

Driver LC 45W 1050mA fixC SR SNC2

ESSENCE series

Product description

- Independent driver with strain-relief housing
- Extra flat housing for constrained installation conditions (small ceiling cut outs and low ceiling voids)
- Max. output power 45 W
- Output current 1,050 mA
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Properties

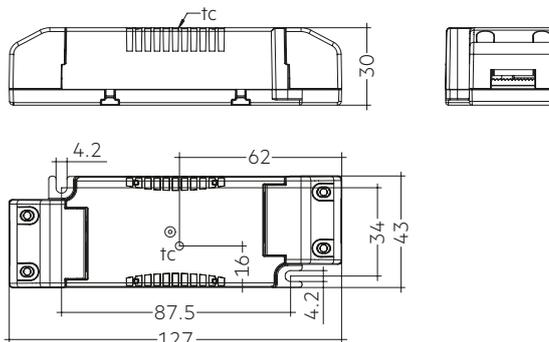
- Casing: polycarbonate, white
- Type of protection IP20
- Push-in terminals
- 2 separate strain relief parts for input and output cables with highly robust clamps

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- No output current overshoot at mains on/off
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality application
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
λ at full load ¹⁾	0.95
λ at min. load ¹⁾	0.9C
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ²⁾	± 7.5 %
Typ. output LF current ripple at full load	± 25 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	127 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 45/1050/43 fixC SR SNC2	87500771	14 pc(s).	364 pc(s).	2,548 pc(s).	0.113 kg

For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ²⁾	Typ. rated current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power	Efficiency at full load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage	Max. output peak current ⁴⁾	Max. casing temperature t_c
LC 45/1050/43 fixC SR SNC2	1,050 mA	0.23 A	50.5 W	50 W	26.3 - 45.2 W	90 %	89 %	25 V	43 V	60 V	1,391 mA	90 °C

¹⁾ Test result at 230 V, 50 Hz.²⁾ Output current is mean value.³⁾ Typical value at full load, depends on load's voltage-current character.⁴⁾ The trend between min. and full load is linear and depends on load's voltage-current character.



NEW

Driver LC 50W 1200mA fixC SC SNC2
ESSENCE series

Product description

- Fixed output LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Output current 1,200 mA
- Max. output power 50 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Independent LED Driver with cable clamps
- Nominal life-time up to 50,000 h
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

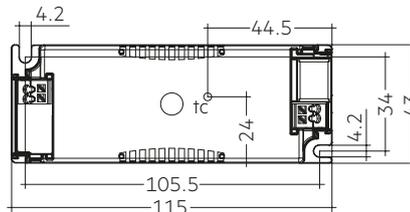
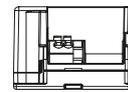
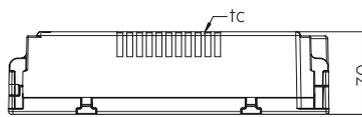
Typical applications

- For spot light and downlight in retail and hospitality application
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. output LF current ripple at full load ⁴⁾	± 25 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	115 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 50/1200/42 fixC SC SNC2	87500766	15 pc(s).	450 pc(s).	2,300 pc(s).	0.109 kg

Specific technical data

Type	Output current ³⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output current ²⁾	Max. casing temperature tc
LC 8/200/40 fixC SC SNC2	1,200 mA	0.26 A	55.5 W	55 W	31.2 - 50.4 W	0.95	91 %	0.9C	90 %	26 V	42 V	60 V	1,590 mA	85 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

⁴⁾ Typical value at full load, depends on load's voltage-current character.



Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



ACU SC 30x43x30mm CLIP-ON SR SET
(28001168, non-pre-assembled)



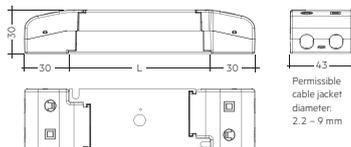
ACU SC 30x43x30mm CLIP-ON SR SET 300
(28001351, non-pre-assembled, 300 pcs. packaging)



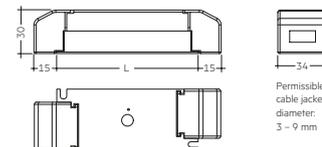
ACU SC 30x43x30mm CLIP-ON SR PA
(28001699, pre-assembled)



ACU SC 15x43x30mm CLIP-ON SR PA
(28001574, pre-assembled)



ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.
 28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.
 28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).



NEW

Driver LC 50W 1200mA fixC SR SNC2
ESSENCE series

Product description

- Independent driver with strain-relief housing
- Extra flat housing for constrained installation conditions (small ceiling cut outs and low ceiling voids)
- Max. output power 50 W
- Output current 1,200 mA
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20
- Push-in terminals
- 2 separate strain relief parts for input and output cables with highly robust clamps

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- No output current overshoot at mains on/off
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality application
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

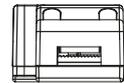
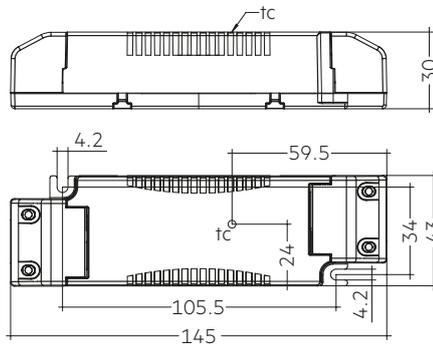
Type	Output current ²⁾	Typ. rated current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power	Efficiency at full load ³⁾	Efficiency at min. load ³⁾	Min. forward voltage ⁴⁾	Max. forward voltage ⁴⁾	Max. output voltage	Max. output peak current	Max. casing temperature tc
LC 50/1200/42 fixC SR SNC2	1,200 mA	0.26 A	55.5 W	55 W	31.2 - 50.4 W	91 %	90 %	26 V	42 V	60 V	1,590 mA	85 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ Output current is mean value.

³⁾ Typical value at full load, depends on load's voltage-current character.

⁴⁾ The trend between min. and full load is linear and depends on load's voltage-current character.



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
λ at full load ¹⁾	0.95
λ at min. load ¹⁾	0.9C
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ²⁾	± 7.5 %
Typ. output LF current ripple at full load ³⁾	± 25 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	115 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 50/1200/42 fixC SR SNC2	87500773	14 pc(s).	350 pc(s).	2,800 pc(s).	0.128 kg



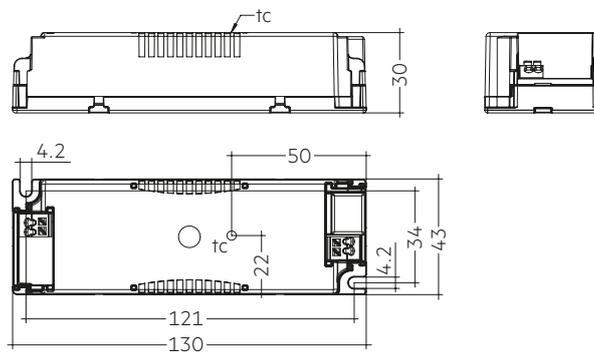
NEW

Driver LC 60W 700/1400mA fixC SC SNC2

ESSENCE series

Product description

- Fixed output LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Output current 700 or 1,400 mA
- Max. output power 60 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Independent LED Driver with cable clamps
- Nominal life-time up to 50,000 h
- 5-year guarantee



Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality application
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. output LF current ripple at full load ⁴⁾	± 25 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	130 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 60/700/86 fixC SC SNC2	87500767	15 pc(s).	390 pc(s).	3,120 pc(s).	0139 kg
LC 60/1400/43 fixC SC SNC2	87500770	15 pc(s).	390 pc(s).	3,120 pc(s).	0141 kg

Specific technical data

Type	Output current ³⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output peak current ²⁾	Max. casing temperature t_c
LC 60/700/86 fixC SC SNC2	700 mA	0.28 A	65 W	64.0 W	32.9 - 60.2 W	0.95	90 %	0.9C	88.0 %	47 V	86 V	100 V	928 mA	85 °C
LC 60/1400/43 fixC SC SNC2	1,400 mA	0.30 A	66 W	64.5 W	35.0 - 60.2 W	0.95	92 %	0.9C	91.0 %	25 V	43 V	60 V	1,881 mA	85 °C

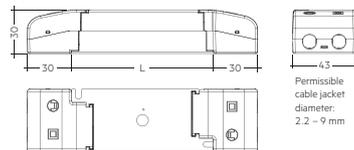
¹⁾ Test result at 230 V, 50 Hz.²⁾ The trend between min. and full load is linear.³⁾ Output current is mean value.⁴⁾ Typical value at full load, depends on load's voltage-current character.



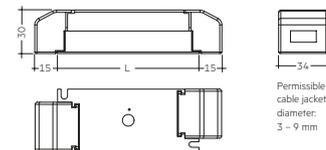
Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available

ACU SC 30x43x30mm CLIP-ON SR SET
(28001168, non-pre-assembled)ACU SC 30x43x30mm CLIP-ON SR SET 300
(28001351, non-pre-assembled, 300 pcs. packaging)ACU SC 30x43x30mm CLIP-ON SR PA
(28001699, pre-assembled)ACU SC 15x43x30mm CLIP-ON SR PA
(28001574, pre-assembled)

ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.

28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.

28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).

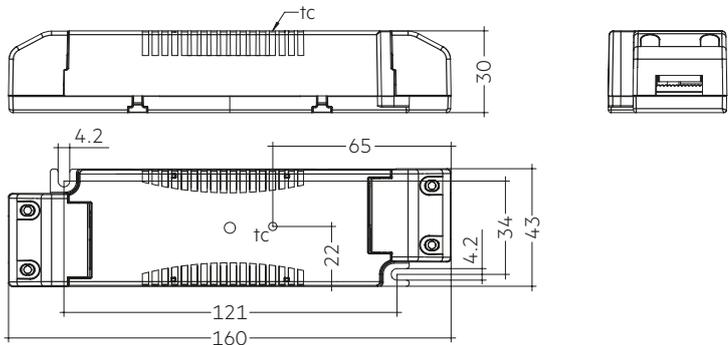


NEW

Driver LC 60W 700/1400mA fixC SR SNC2
ESSENCE series

Product description

- Independent driver with strain-relief housing
- Extra flat housing for constrained installation conditions (small ceiling cut outs and low ceiling voids)
- Max. output power 60 W
- Output current 700 or 1,400 mA
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee



Properties

- Casing: polycarbonate, white
- Type of protection IP20
- Push-in terminals
- 2 separate strain relief parts for input and output cables with highly robust clamps

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- No output current overshoot at mains on/off
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

Typical applications

- For spot light and downlight in retail and hospitality application
 - For panel light and area light in office and education application
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
λ at full load ¹⁾	0.95
λ at min. load ¹⁾	0.9C
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ²⁾	± 7.5 %
Typ. output LF current ripple at full load ³⁾	± 25 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	130 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 60/700/86 fixC SR SNC2	87500774	14 pc(s).	280 pc(s).	2,240 pc(s).	0.156 kg
LC 60/1400/43 fixC SR SNC2	87500777	14 pc(s).	280 pc(s).	2,240 pc(s).	0.159 kg

→ **For standards see data sheet**

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ²⁾	Typ. rated current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power	Efficiency at full load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage	Max. output peak current	Max. casing temperature tc
LC 60/700/86 fixC SR SNC2	700 mA	0.28 A	65 W	64.0 W	32.9 - 60.2 W	90 %	88 %	47 V	86 V	100 V	928 mA	85 °C
LC 60/1400/43 fixC SR SNC2	1400 mA	0.30 A	66 W	64.5 W	35.0 - 60.2 W	92 %	91 %	25 V	43 V	60 V	1,881 mA	85 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ Output current is mean value.

³⁾ Typical value at full load, depends on load's voltage-current character.

⁴⁾ The trend between min. and full load is linear and depends on load's voltage-current character.



Driver LC 10W 250mA fixC C SNC

ESSENCE series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 250 mA
- Max. output power 10 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

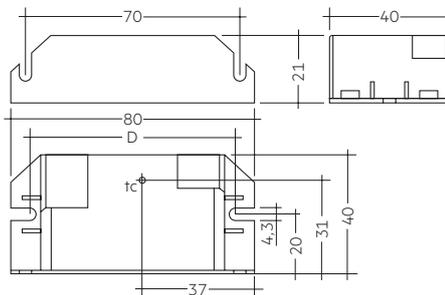
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Leakage current (at 230 V, 50 Hz, full load)	< 200 µA
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ¹⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +55 °C
Ambient temperature ta (at life-time 50,000 h)	45 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	80 x 40 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 10W 250mA fixC C SNC	87500628	25 pc(s).	1,100 pc(s).	7,700 pc(s).	0.042 kg

Specific technical data

Type	Output current (at 230 V, 50 Hz, full load) ¹⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	Power factor at full load ²⁾	Efficiency at full load ²⁾	Power factor at min. load ²⁾	Efficiency at min. load ²⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output peak current at full load ³⁾	Max. output peak current at min. load ³⁾	Max. casing temperature tc
LC 10W 250mA fixC C SNC	250 mA	0.057 A	12 W	11.7 W	7 – 10 W	0.91C	85 %	0.85C	82 %	28 V	40 V	60 V	325 mA	325 mA	90 °C

¹⁾ Output current is mean value.
²⁾ Test result at 230 V, 50 Hz.
³⁾ The trend between min. and full load is linear.



Driver LC 10W 350/500/700mA fixC C SNC

ESSENCE series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 350, 500 or 700 mA
- Max. output power 10 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

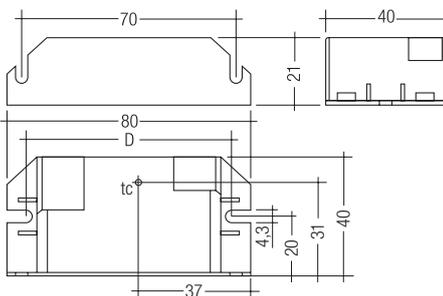
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 40 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	80 x 40 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 10W 350mA fixC C SNC	87500577	25 pc(s).	1,100 pc(s).	7,700 pc(s).	0.043 kg
LC 10W 500mA fixC C SNC	87500578	25 pc(s).	1,100 pc(s).	7,700 pc(s).	0.043 kg
LC 10W 700mA fixC C SNC	87500579	25 pc(s).	1,100 pc(s).	7,700 pc(s).	0.043 kg

Specific technical data

Type	Output current (at 230 V, 50 Hz, full load) ³⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output peak current at full load ²⁾	Max. output peak current at min. load ²⁾	Max. casing temperature tc
LC 10W 350mA fixC C SNC	350 mA	0.060 A	12.5 W	12 W	7 – 10 W	0.9C	83 %	0.85C	81 %	20 V	28.6 V	42 V	550 mA	600 mA	80 °C
LC 10W 500mA fixC C SNC	500 mA	0.060 A	12.5 W	12 W	7 – 10 W	0.9C	83 %	0.85C	80 %	14 V	20.0 V	35 V	780 mA	820 mA	80 °C
LC 10W 700mA fixC C SNC	700 mA	0.065 A	12.5 W	12 W	7 – 10 W	0.9C	81 %	0.85C	78 %	10 V	14.2 V	25 V	1,100 mA	1,150 mA	80 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.



Driver LC 10W 250/350/500/700mA fixC SR SNC

ESSENCE series

Product description

- Independent driver with strain-relief housing
- Extra flat housing for constrained installation conditions (small ceiling cut outs and low ceiling voids)
- Max. output power 10 W
- Output current 250, 350, 500 or 700 mA
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20
- Push-in terminals
- 2 separate strain-relief parts for input and output cables with highly robust clamps

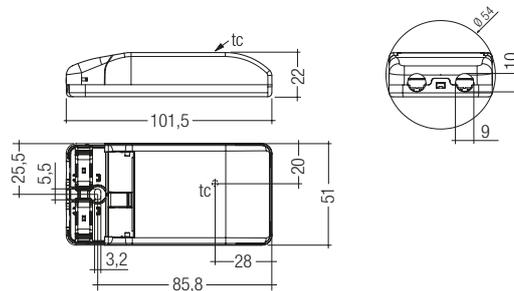
Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - No output current overshoot at mains on/off
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Power factor at full load ¹⁾	0.90C
Power factor at min. load ¹⁾	0.85C
Mains frequency	50/60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	≤ 20 %
THD (at 230 V, 50 Hz, min. load)	≤ 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. output LF current ripple at full load	± 40 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	101.5 x 51 x 22 mm

Ordering data

Type	Article number ⁴⁾	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 10W 250mA fixC SR SNC	87500580	20 pc(s).	380 pc(s).	3,420 pc(s).	0.062 kg
LC 10W 350mA fixC SR SNC	87500581	20 pc(s).	380 pc(s).	3,420 pc(s).	0.061 kg
LC 10W 500mA fixC SR SNC	87500582	20 pc(s).	380 pc(s).	3,420 pc(s).	0.061 kg
LC 10W 700mA fixC SR SNC	87500583	20 pc(s).	380 pc(s).	3,420 pc(s).	0.061 kg

Specific technical data

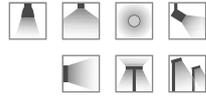
Type	Output current ³⁾	Typ. rated current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	Efficiency at full load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. peak output current at full load ²⁾	Max. peak output current at min. load ²⁾	Max. casing temperature t_c
LC 10W 250mA fixC SR SNC	250 mA	0.060 A	12.5 W	12 W	7 – 10 W	84 %	83 %	28 V	40.0 V	50 V	350 mA	420 mA	85 °C
LC 10W 350mA fixC SR SNC	350 mA	0.060 A	12.5 W	12 W	7 – 10 W	83 %	81 %	20 V	28.6 V	42 V	550 mA	600 mA	85 °C
LC 10W 500mA fixC SR SNC	500 mA	0.060 A	12.5 W	12 W	7 – 10 W	83 %	80 %	14 V	20.0 V	35 V	780 mA	820 mA	85 °C
LC 10W 700mA fixC SR SNC	700 mA	0.065 A	12.5 W	12 W	7 – 10 W	81 %	78 %	10 V	14.2 V	25 V	1,100 mA	1,150 mA	85 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

⁴⁾ KC approval mark for art. no.: 87500580, 87500581 and 87500582.



Driver LC 13W 300mA fixC C SNC
ESSENCE series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 300 mA
- Max. output power 13 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

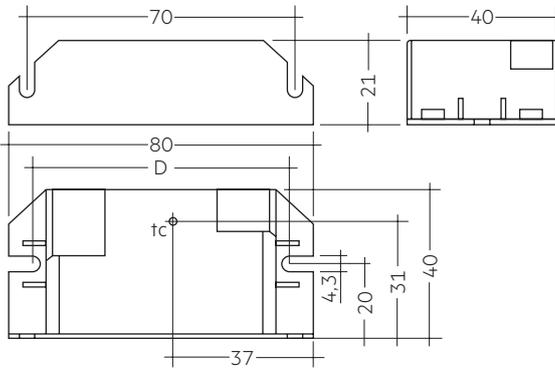


Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - Burst protection voltage 1 kV
 - Surge protection voltage 1 kV (L to N)
 - Surge protection voltage 2 kV (L/N to earth)
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Leakage current (at 230 V, 50 Hz, full load)	< 200 µA
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ¹⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	80 x 40 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 13W 300mA fixC C SNC	87500629	25 pc(s).	1,100 pc(s).	7,700 pc(s).	0.043 kg

Specific technical data

Type	Output current (at 230 V, 50 Hz, full load) ¹⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	Power factor at full load ²⁾	Efficiency at full load ²⁾	Power factor at min. load ²⁾	Efficiency at min. load ²⁾	Min. forward voltage	Max. forward voltage	Max. output voltage at full load ³⁾	Max. output peak current at min. load ³⁾	Max. output peak current at full load ³⁾	Max. casing temperature tc
LC 13W 300mA fixC C SNC	300 mA	0.072 A	15.5 W	15.2 W	9.1 – 13 W	0.93C	85 %	0.9C	84 %	30.3 V	43.3 V	60 V	390 mA	390 mA	90 °C

¹⁾ Output current is mean value.

²⁾ Test result at 230 V, 50 Hz.

³⁾ The trend between min. and full load is linear.



Driver LC 13/15W 300/350mA fixC SR SNC

ESSENCE series

Product description

- Independent LED Driver with cable clamps
- Extra flat housing for constrained installation conditions (small ceiling cut outs and low ceiling voids)
- Max. output power 13 or 15 W
- Output current 300 or 350 mA
- KC certificate for LC 15W 350mA fixC SR SNC
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

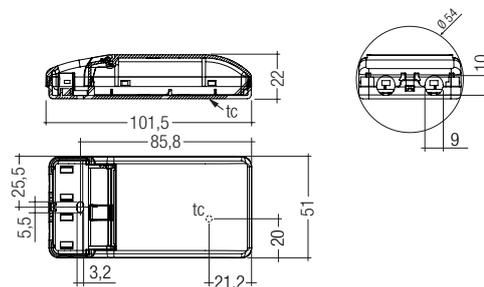
- Casing: polycarbonate, white
- Type of protection IP20
- Push-in terminals
- 2 separate strain-relief parts for input and output cables with highly robust clamps

Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - No output current overshoot at mains on/off
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Power factor at full load ¹⁾	0.9C
Power factor at min. load ¹⁾	0.86C
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	≤ 20 %
THD (at 230 V, 50 Hz, min. load)	≤ 20 %
Output current tolerance (at 230 V, 50 Hz, full load) ²⁾	± 7.5 %
Output current tolerance (at 230 V, 50 Hz, min. load) ²⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure	0 s
Ambient temperature t_a	-25 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	101.5 x 51 x 22 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 13W 300mA fixC SR SNC	87500571	20 pc(s).	380 pc(s).	3,420 pc(s).	0.068 kg
LC 15W 350mA fixC SR SNC	87500572	20 pc(s).	380 pc(s).	3,420 pc(s).	0.068 kg

Specific technical data

Type	Output current ¹⁾	Typ. rated current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	Efficiency at full load ²⁾	Efficiency at min. load ²⁾	Min. forward voltage ²⁾	Max. forward voltage ²⁾	Max. output voltage	Max. peak output current	Max. casing temperature t_c
LC 13W 300mA fixC SR SNC	300 mA	0.08 A	16 W	15 W	9 – 13 W	83 %	82 %	30 V	43 V	55 V	500 mA	85 °C
LC 15W 350mA fixC SR SNC	350 mA	0.09 A	19 W	17 W	10 – 15 W	85 %	83 %	30 V	43 V	55 V	600 mA	85 °C

¹⁾ Output current is mean value.²⁾ Test result at 230 V, 50 Hz.



Driver LC 15W 350mA fixC C SNC

ESSENCE series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 350 mA
- Max. output power 15 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

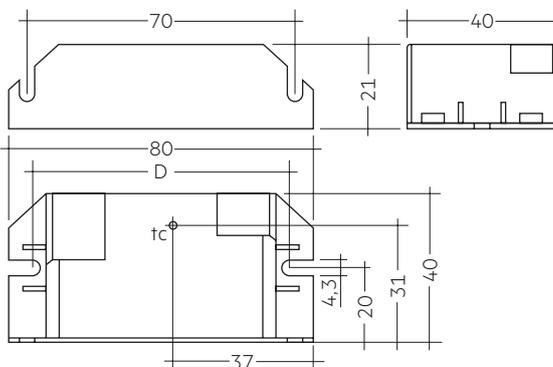


Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - Burst protection voltage 1 kV
 - Surge protection voltage 1 kV (L to N)
 - Surge protection voltage 2 kV (L/N to earth)
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Leakage current (at 230 V, 50 Hz, full load)	< 200 µA
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ¹⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	80 x 40 x 21 mm

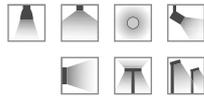
Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 15W 350mA fixC C SNC	87500630	25 pc(s).	1,100 pc(s).	7,700 pc(s).	0.044 kg

Specific technical data

Type	Output current (at 230 V, 50 Hz, full load) ¹⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	Power factor at full load ²⁾	Efficiency at full load ²⁾	Power factor at min. load ²⁾	Efficiency at min. load ²⁾	Min. forward voltage	Max. forward voltage	Max. output voltage at full load ³⁾	Max. output peak current at min. load ³⁾	Max. output peak current at full load ³⁾	Max. casing temperature tc
LC 15W 350mA fixC C SNC	350 mA	0.084 A	18 W	17.5 W	10.5 – 15 W	0.92C	86 %	0.87C	83 %	30 V	42.8 V	60 V	455 mA	455 mA	100 °C

¹⁾ Output current is mean value.
²⁾ Test result at 230 V, 50 Hz.
³⁾ The trend between min. and full load is linear.



Driver LC 15/20/25W 350/500/700/600mA fixC C SNC
ESSENCE series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 350, 500, 700 or 600 mA
- Max. output power 15, 20 or 25 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
or available on request

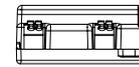
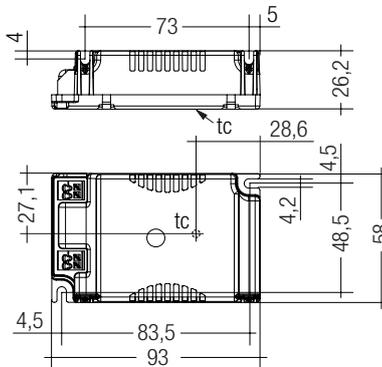
Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	93 x 58 x 26.2 mm

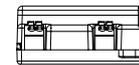
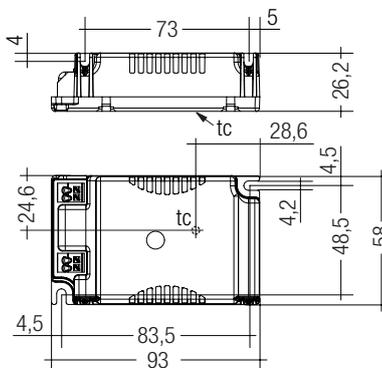


For standards see data sheet

Product / function matrix, [page 30](#)



LC 15/20W 350/500/700mA fixC C SNC



LC 25W 600mA fixC C SNC

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 15W 350mA fixC C SNC	87500565	20 pc(s).	280 pc(s).	3,360 pc(s).	0.075 kg
LC 20W 500mA fixC C SNC	87500566	20 pc(s).	280 pc(s).	3,360 pc(s).	0.075 kg
LC 20W 700mA fixC C SNC	87500567	20 pc(s).	280 pc(s).	3,360 pc(s).	0.075 kg
LC 25W 600mA fixC C SNC	87500575	20 pc(s).	280 pc(s).	3,360 pc(s).	0.079 kg

Specific technical data

Type	Output current ³⁾ (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	Input power (at 230 V, 50 Hz, full load)	Output power range	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output load voltage (no-peak current)	Max. output peak current at full load ²⁾	Max. output peak current at min. load ²⁾	Max. casing temperature tc
LC 15W 350mA fixC C SNC	350 mA	0.083 A	18 W	10.5 – 15.0 W	0.92C	87.5 %	0.87C	86.5 %	30 V	43.0 V	56 V	490 mA	560 mA	70 °C
LC 20W 500mA fixC C SNC	500 mA	0.112 A	25 W	15.0 – 21.5 W	0.95	87.5 %	0.92C	87.0 %	30 V	43.0 V	56 V	700 mA	800 mA	75 °C
LC 20W 700mA fixC C SNC	700 mA	0.107 A	24 W	14.0 – 20.0 W	0.94C	86.0 %	0.90C	85.0 %	20 V	28.5 V	40 V	980 mA	1,120 mA	75 °C
LC 25W 600mA fixC C SNC	600 mA	0.134 A	30 W	18.0 – 26.0 W	0.95	88.5 %	0.91C	87.5 %	30 V	43.0 V	56 V	840 mA	960 mA	85 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.



Driver LC 20W 350mA fixC C SNC

ESSENCE series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 350 mA
- Max. output power 18,9 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

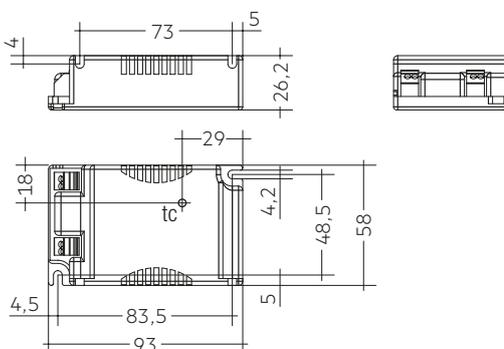


Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - Burst protection voltage 1 kV
 - Surge protection voltage 1 kV (L to N)
 - Surge protection voltage 2 kV (L/N to earth)
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Leakage current (at 230 V, 50 Hz, full load)	< 200 µA
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ¹⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	93 x 58 x 26.2 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 20W 350mA fixC C SNC	87500631	20 pc(s).	280 pc(s).	3,360 pc(s).	0.075 kg

Specific technical data

Type	Output current (at 230 V, 50 Hz, ¹⁾ full load)	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	Power factor at full load ²⁾	Efficiency at full load ²⁾	Power factor at min. load ²⁾	Efficiency at min. load ²⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output current at full load ³⁾	Max. output current at min. load ³⁾	Max. casing temperature tc
LC 20W 350mA fixC C SNC	350 mA	0.11 A	21.5 W	21.3 W	14 – 18.9 W	0.9C	87.5 %	0.87C	86.5 %	40 V	54 V	60 V	450 mA	500 mA	70 °C

¹⁾ Output current is mean value.
²⁾ Test result at 230 V, 50 Hz.
³⁾ The trend between min. and full load is linear.



Driver LC 20W 350mA fixC SR SNC

ESSENCE series

Product description

- Independent LED Driver with cable clamps
- Extra flat housing for constrained installation conditions (small ceiling cut outs and low ceiling voids)
- Max. output power 18.9 W
- Output current 350 mA
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Properties

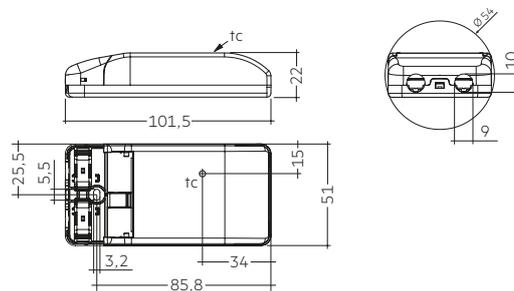
- Casing: polycarbonate, white
- Type of protection IP20
- Push-in terminals
- 2 separate strain-relief parts for input and output cables with highly robust clamps

Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - No output current overshoot at mains on/off
 - Burst protection voltage 1 kV
 - Surge protection voltage 1 kV (L to N)
 - Surge protection voltage 2 kV (L/N to earth)
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Power factor at full load ¹⁾	0.9C
Power factor at min. load ¹⁾	0.87C
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Leakage current (at 230 V, 50 Hz, full load)	< 200 µA
THD (at 230 V, 50 Hz, full load)	≤ 20 %
THD (at 230 V, 50 Hz, min. load)	≤ 20 %
Output current tolerance ²⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	101.5 x 51 x 22 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 20W 350mA fixC SR SNC	87500632	20 pc(s).	380 pc(s).	3,420 pc(s).	0.076 kg

Specific technical data

Type	Output current ²⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	Efficiency at full load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage	Max. output peak current at full load ³⁾	Max. output peak current at min. load ³⁾	Max. casing temperature tc
LC 20W 350mA fixC SR SNC	350 mA	0.11 A	21.5 W	21.3 W	14 – 18.9 W	87.5 %	86.5 %	40 V	54 V	60 V	450 mA	500 mA	80 °C

¹⁾ Test result at 230 V, 50 Hz.²⁾ Output current is mean value.³⁾ The trend between min. and full load is linear.



Driver LC 20W 500/700mA fixC SR SNC

ESSENCE series

Product description

- Independent LED Driver with cable clamps
- Extra flat housing for constrained installation conditions (small ceiling cut outs and low ceiling voids)
- Max. output power 20 W
- Output current 500 or 700 mA
- KC certificate for LC 20W 500mA fixC SR SNC
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20
- Push-in terminals
- 2 separate strain-relief parts for input and output cables with highly robust clamps

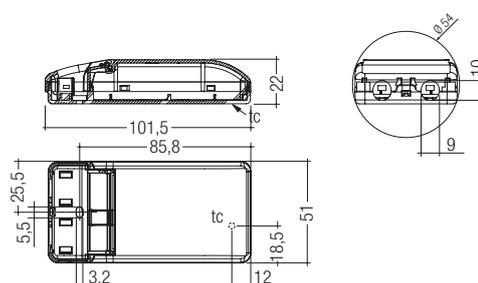
Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - No output current overshoot at mains on/off
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Power factor at full load ²⁾	0.93C
Power factor at min. load ²⁾	0.87C
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	≤ 20 %
THD (at 230 V, 50 Hz, min. load)	≤ 20 %
Output current tolerance (at 230 V, 50 Hz, full load) ¹⁾	± 7.5 %
Output current tolerance (at 230 V, 50 Hz, min. load) ¹⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	101.5 x 51 x 22 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 20W 500mA fixC SR SNC	87500573	20 pc(s).	380 pc(s).	3,420 pc(s).	0.078 kg
LC 20W 700mA fixC SR SNC	87500574	20 pc(s).	380 pc(s).	3,420 pc(s).	0.078 kg

Specific technical data

Type	Output current ¹⁾	Typ. rated current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	Efficiency at full load ²⁾	Efficiency at min. load ²⁾	Min. forward voltage ²⁾	Max. forward voltage ²⁾	Max. output voltage	Max. peak output current	Max. casing temperature tc
LC 20W 500mA fixC SR SNC	500 mA	0.12 A	25.0 W	22.5 W	15.5 – 22 W	88.0 %	87 %	30 V	43 V	58 V	850 mA	85 °C
LC 20W 700mA fixC SR SNC	700 mA	0.11 A	23.5 W	22.5 W	13.0 – 20 W	87.5 %	86 %	20 V	28 V	40 V	1,200 mA	85 °C

¹⁾ Output current is mean value.

²⁾ Test result at 230 V, 50 Hz.



Driver LC 25/30W 600/700mA fixC SC SNC
ESSENCE series

Product description

- Fixed output LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Output current 600 or 700 mA
- Max. output power 26 or 30 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Independent LED Driver with cable clamps
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

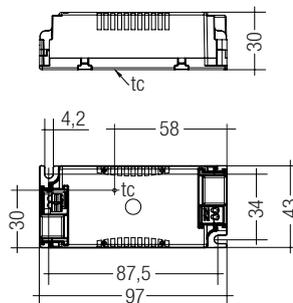
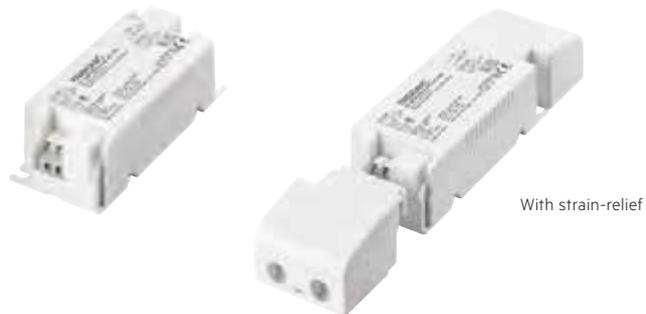
Functions

- Overtemperature protection
 - Overload protection
 - Short-circuit protection
 - No-load protection
 - Burst protection voltage 1 kV
 - Surge protection voltage 1 kV (L to N)
 - Surge protection voltage 2 kV (L/N to earth)
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Output LF current ripple (< 120 Hz)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	97 x 43 x 30 mm
Dimensions with strain-relief L x W x H	157 x 43 x 30 mm

Ordering data

Type	Article number ⁴⁾	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 25W 600mA fixC SC SNC	87500459	15 pc(s).	480 pc(s).	3,840 pc(s).	0.083 kg
LC 30W 700mA fixC SC SNC	87500460	15 pc(s).	480 pc(s).	3,840 pc(s).	0.088 kg

Specific technical data

Type	Output current ³⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. peak output current at full load ²⁾	Max. peak output current at min. load ²⁾	Max. casing temperature t_c
LC 25W 600mA fixC SC SNC	600 mA	0.14 A	30 W	29 W	18 – 26 W	0.95	90 %	0.91C	88.5 %	30 V	43 V	54 V	840 mA	960 mA	85 °C
LC 30W 700mA fixC SC SNC	700 mA	0.18 A	34 W	33 W	21 – 30 W	0.95	90 %	0.92C	89.0 %	30 V	43 V	54 V	980 mA	1,120 mA	90 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

⁴⁾ Article LC 30W 700mA fixC SC SNC (87500460) has the KC approval mark



ACCESSORIES

Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



ACU SC 30x43x30mm CLIP-ON SR SET
(28001168, non-pre-assembled)



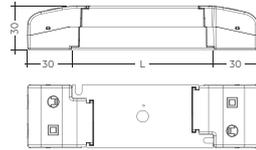
ACU SC 30x43x30mm CLIP-ON SR SET 300
(28001351, non-pre-assembled, 300 pcs. packaging)



ACU SC 30x43x30mm CLIP-ON SR PA
(28001699, pre-assembled)



ACU SC 15x43x30mm CLIP-ON SR PA
(28001574, pre-assembled)



ACU SC 30x43x30mm CLIP-ON SR SET / PA



Permissible cable jacket diameter: 2.2 – 9 mm



ACU SC 15x43x30mm CLIP-ON SR PA



Permissible cable jacket diameter: 3 – 9 mm

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.
28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.
28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).

IP20 SELV  
 ENEC   



Driver LC 30W 700mA fixC C SNC

ESSENCE series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 700 mA
- Max. output power 30 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

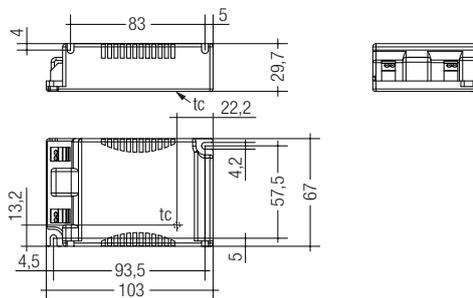
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
 or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.152 A
Mains frequency	50 / 60 Hz
Typ. power consumption (at 230 V, 50 Hz, full load)	33.5 W
Max. input power	35 W
Output power range	21 – 30 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≈ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≈ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature <i>t</i> _a	-20 ... +50 °C
Ambient temperature <i>t</i> _a (at life-time 50,000 h)	40 °C
Max. casing temperature <i>t</i> _c	80 °C
Storage temperature <i>t</i> _s	-40 ... +85 °C
Dimensions L x W x H	103 x 67 x 29.7 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 30W 700mA fixC C SNC	87500559	15 pc(s).	345 pc(s).	2,760 pc(s).	0.124 kg

Specific technical data

Type	Output current ³⁾	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. peak output current at full load ²⁾	Max. peak output current at min. load ²⁾
LC 30W 700mA C SNC	700 mA	0.95	91 %	0.917	90 %	30 V	43 V	54 V	980 mA	1,120 mA

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.



Driver LC 30W 700mA fixC SR SNC

ESSENCE series

Product description

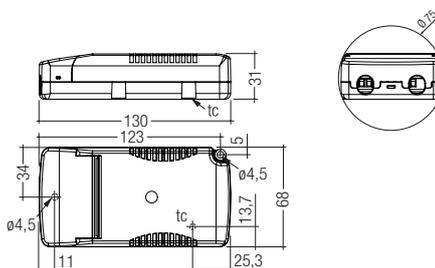
- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 700 mA
- Max. output power 30 W
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
 - Overload protection
 - Short-circuit protection
 - No-load protection
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.152 A
Mains frequency	50 / 60 Hz
Typ. power consumption (at 230 V, 50 Hz, full load)	33.5 W
Typ. output power	35 W
Output power range	21 – 30 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure	0 s
Ambient temperature <i>t</i> _a	-20 ... +50 °C
Ambient temperature <i>t</i> _a (at life-time 50,000 h)	50 °C
Max. casing temperature <i>t</i> _c	85 °C
Storage temperature <i>t</i> _s	-40 ... +80 °C
Dimensions L x W x H	130 x 68 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 30W 700mA fixC SR SNC	87500546	30 pc(s).	390 pc(s).	1,950 pc(s).	0.15 kg

Specific technical data

Type	Output current ³⁾	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. peak output current at full load ²⁾	Max. peak output current at min. load ²⁾
LC 30W 700mA fixC SR SNC	700 mA	0.948	91.2 %	0.917	90 %	30 V	43 V	54 V	1,120 mA	1,120 mA

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.



Driver LC 35W 350/500/800/1050mA fixC C SNC

ESSENCE series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 350, 500, 800 or 1,050 mA
- Max. output power 35 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

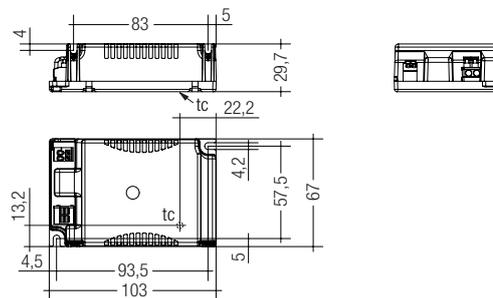
Functions

- Overtemperature protection
 - Overload protection
 - Short-circuit protection
 - No-load protection
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.175 A
Mains frequency	50 / 60 Hz
Typ. power consumption (at 230 V, 50 Hz, full load)	38.5 W
Max. input power	41 W
Output power range	24 – 35 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature <i>t</i> _a	-20 ... +50 °C
Ambient temperature <i>t</i> _a (at life-time 50,000 h)	40 °C
Max. casing temperature <i>t</i> _c	80 °C
Storage temperature <i>t</i> _s	-40 ... +80 °C
Dimensions L x W x H	103 x 67 x 29.7 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 35W 350mA fixC C SNC	87500561	15 pc(s).	345 pc(s).	2,760 pc(s).	0.125 kg
LC 35W 500mA fixC C SNC	87500562	15 pc(s).	345 pc(s).	2,760 pc(s).	0.124 kg
LC 35W 800mA fixC C SNC	87500576	15 pc(s).	345 pc(s).	2,760 pc(s).	0.124 kg
LC 35W 1050mA fixC C SNC	87500563	15 pc(s).	345 pc(s).	2,760 pc(s).	0.125 kg

Specific technical data

Type	Output current ³⁾	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. output voltage	Max. output voltage	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ²⁾	Max. repetitive output peak current at min. load ²⁾	Max. non-repetitive output peak current at full load ²⁾	Max. non-repetitive output peak current at min. load ²⁾
LC 35W 350mA fixC C SNC	350 mA	0.95	91 %	0.90C	89 %	70 V	100 V	120 V	480 mA	530 mA	480 mA	530 mA
LC 35W 500mA fixC C SNC	500 mA	0.95	90 %	0.90C	88 %	49 V	70 V	90 V	700 mA	760 mA	700 mA	760 mA
LC 35W 800mA fixC C SNC	800 mA	0.95	91 %	0.91C	90 %	30 V	43 V	54 V	1,120 mA	1,280 mA	1,120 mA	1,280 mA
LC 35W 1050mA fixC C SNC	1,050 mA	0.95	89 %	0.90C	87 %	23 V	33 V	45 V	1,470 mA	1,580 mA	1,470 mA	1,580 mA

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

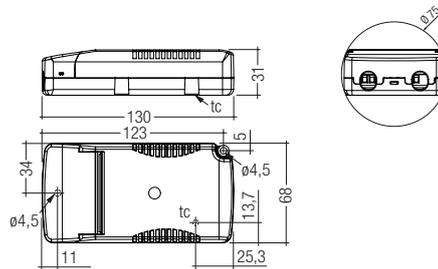
³⁾ Output current is mean value.



Driver LC 35W 350/500/800/1050mA fixC SR SNC
ESSENCE series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 350, 500, 800 or 1,050 mA
- Max. output power 35 W
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee



Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
 - Overload protection
 - Short-circuit protection
 - No-load protection
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.175 A
Mains frequency	50 / 60 Hz
Typ. power consumption (at 230 V, 50 Hz, full load)	38.5 W
Typ. output power	41 W
Output power range	24 – 35 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Max. casing temperature t_c	85 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	130 x 68 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 35W 350mA fixC SR SNC	87500547	30 pc(s).	390 pc(s).	1,950 pc(s).	0.153 kg
LC 35W 500mA fixC SR SNC	87500548	30 pc(s).	390 pc(s).	1,950 pc(s).	0.150 kg
LC 35W 800mA fixC SR SNC	87500549	30 pc(s).	390 pc(s).	1,950 pc(s).	0.153 kg
LC 35W 1050mA fixC SR SNC	87500550	30 pc(s).	390 pc(s).	1,950 pc(s).	0.153 kg

Specific technical data

Type	Output current ³⁾	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. peak output current at full load ²⁾	Max. peak output current at min. load ²⁾
LC 35W 350mA fixC SR SNC	350 mA	0.95	91 %	0.90C	89 %	70 V	100 V	120 V	480 mA	530 mA
LC 35W 500mA fixC SR SNC	500 mA	0.95	90 %	0.90C	88 %	49 V	70 V	90 V	700 mA	760 mA
LC 35W 800mA fixC SR SNC	800 mA	0.95	91 %	0.91C	90 %	30 V	43 V	54 V	1,120 mA	1,280 mA
LC 35W 1050mA fixC SR SNC	1,050 mA	0.95	89 %	0.90C	87 %	23 V	33 V	45 V	1,470 mA	1,580 mA

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.



Driver LC 35/40/42W 800/900/1050mA fixC SC SNC
ESSENCE series

Product description

- Fixed output LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Output current 800, 900 or 1,050 mA
- Max. output power 35, 39 or 42 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Independent LED Driver with cable clamps
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

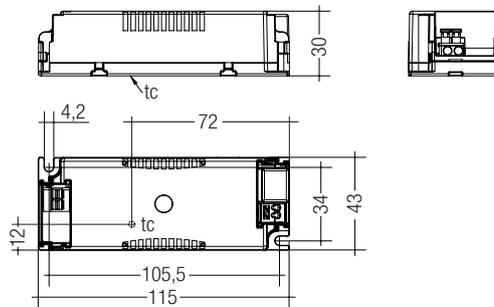
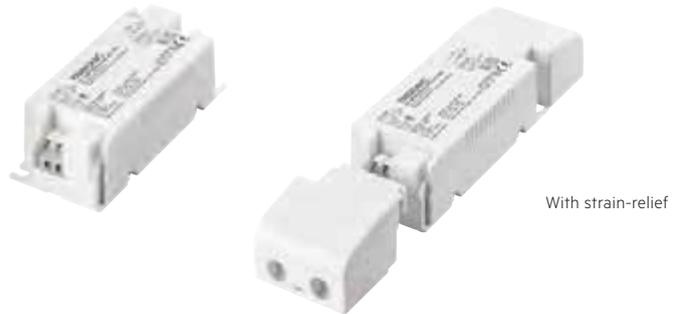
Functions

- Overtemperature protection
 - Overload protection
 - Short-circuit protection
 - No-load protection
 - Burst protection voltage 1 kV
 - Surge protection voltage 1 kV (L to N)
 - Surge protection voltage 2 kV (L/N to earth)
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	115 x 43 x 30 mm
Dimensions with strain-relief L x W x H	175 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 35W 800mA fixC SC SNC	87500461	15 pc(s).	450 pc(s).	3,600 pc(s).	0.116 kg
LC 40W 900mA fixC SC SNC	87500462	15 pc(s).	450 pc(s).	3,600 pc(s).	0.116 kg
LC 42W 1050mA fixC SC SNC	87500463	15 pc(s).	450 pc(s).	3,600 pc(s).	0.116 kg

Specific technical data

Type	Output current ³⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ²⁾	Efficiency at min. load ²⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. peak output current at full load ²⁾	Max. peak output current at min. load ²⁾	Max. casing temperature t_c
LC 35W 800mA fixC SC SNC	800 mA	0.18 A	39 W	38.0 W	24.0 – 35 W	0.96	90.5 %	0.93C	89.0 %	30 V	43 V	54 V	1,120 mA	1,280 mA	85 °C
LC 40W 900mA fixC SC SNC	900 mA	0.20 A	44 W	42.5 W	27.0 – 39 W	0.96	90.5 %	0.94C	89.0 %	30 V	43 V	54 V	1,260 mA	1,440 mA	90 °C
LC 42W 1050mA fixC SC SNC	1,050 mA	0.21 A	48 W	46.0 W	29.4 – 42 W	0.97	90.5 %	0.95	89.5 %	28 V	40 V	54 V	1,470 mA	1,680 mA	90 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.



Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



ACU SC 30x43x30mm CLIP-ON SR SET
(28001168, non-pre-assembled)



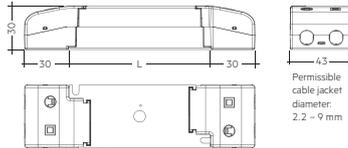
ACU SC 30x43x30mm CLIP-ON SR SET 300
(28001351, non-pre-assembled, 300 pcs. packaging)



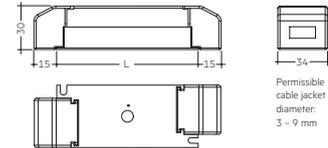
ACU SC 30x43x30mm CLIP-ON SR PA
(28001699, pre-assembled)



ACU SC 15x43x30mm CLIP-ON SR PA
(28001574, pre-assembled)



ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.
 28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.
 28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).



Driver LC 40W 900mA fixC C SNC
ESSENCE series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 900 mA
- Max. output power 40 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

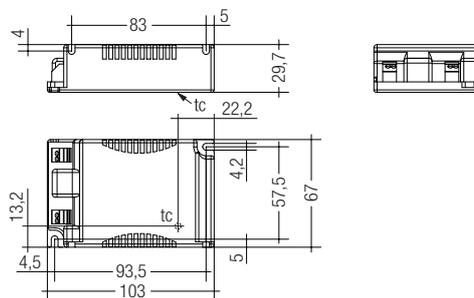
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.2 A
Mains frequency	50 / 60 Hz
Typ. power consumption (at 230 V, 50 Hz, full load)	43.5 W
Max. input power	46 W
Output power range	27 – 39 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typical ripple current at full load	± 25 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Max. casing temperature t_c	85 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	103 x 67 x 29.7 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 40W 900mA fixC C SNC	87500560	15 pc(s).	345 pc(s).	2,760 pc(s).	0.126 kg

Specific technical data

Type	Output current ³⁾	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. peak output current at full load ²⁾	Max. peak output current at min. load ²⁾
LC 40W 900mA fixC C SNC	900 mA	0.96	91 %	0.93C	90 %	30 V	43 V	54 V	1,260 mA	1,440 mA

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.



Driver LC 40W 900mA fixC SR SNC
ESSENCE series

Product description

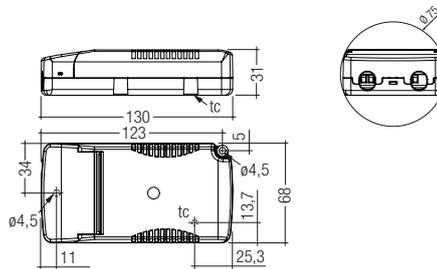
- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 900 mA
- Max. output power 40 W
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
 - Overload protection
 - Short-circuit protection
 - No-load protection
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.2 A
Mains frequency	50 / 60 Hz
Typ. power consumption (at 230 V, 50 Hz, full load)	43.5 W
Max. input power	46 W
Output power range	27 – 39 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure	0 s
Ambient temperature <i>t</i> _a	-20 ... +50 °C
Ambient temperature <i>t</i> _a (at life-time 50,000 h)	40 °C
Max. casing temperature <i>t</i> _c	90 °C
Storage temperature <i>t</i> _s	-40 ... +80 °C
Dimensions L x W x H	130 x 68 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 40W 900mA fixC SR SNC	87500551	30 pc(s).	390 pc(s).	1,950 pc(s).	0.152 kg

Specific technical data

Type	Output current ³⁾	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. peak output current at full load ²⁾	Max. peak output current at min. load ²⁾
LC 40W 900mA fixC SR SNC	900 mA	0.96	91 %	0.93C	90 %	30 V	43 V	54 V	1,260 mA	1,440 mA

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.



Driver LC 45W 1050mA fixC C SNC

ESSENCE series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 1,050 mA
- Max. output power 45 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

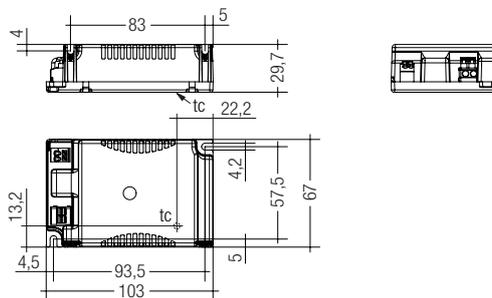
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	103 x 67 x 29.7 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 45W 1050mA fixC C SNC	87500564	15 pc(s).	345 pc(s).	2,760 pc(s).	0.126 kg

Specific technical data

Type	Output current ³⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. peak output current at full load ²⁾	Max. peak output current at min. load ²⁾	Max. casing temperature t_c
LC 45W 1050mA fixC C SNC	1,050 mA	0.225 A	51 W	49.5 W	31.5 – 45 W	0.96	90.5 %	0.94	89.5 %	30 V	43 V	54 V	1,470 mA	1,680 mA	90 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.



Driver LC 45W 1050mA fixC SR SNC
ESSENCE series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 1,050 mA
- Max. output power 45 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

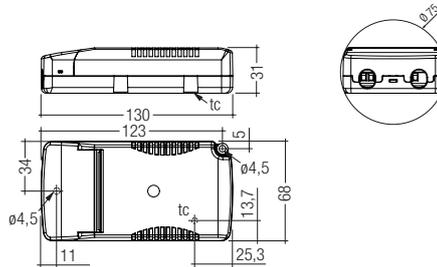
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature <i>t</i> _a	-20 ... +50 °C
Ambient temperature <i>t</i> _a (at life-time 50,000 h)	40 °C
Max. casing temperature <i>t</i> _c	90 °C
Storage temperature <i>t</i> _s	-40 ... +80 °C
Dimensions L x W x H	130 x 68 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 45W 1050mA fixC SR SNC	87500552	30 pc(s).	390 pc(s).	1,950 pc(s).	0.151 kg

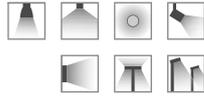
Specific technical data

Type	Output current ³⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. peak output current at full load ²⁾	Max. peak output current at min. load ²⁾
LC 45W 1050mA fixC SR SNC	1,050 mA	0.225 A	51 W	50 W	31.5 – 45 W	0.96	90.5 %	0.94C	89.5 %	30 V	43 V	54 V	1,470 mA	1,680 mA

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.



Driver LC 50/60W 1200/700/1400mA fixC C SNC

ESSENCE series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 1,200, 700 or 1,400 mA
- Max. output power 50 or 60 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

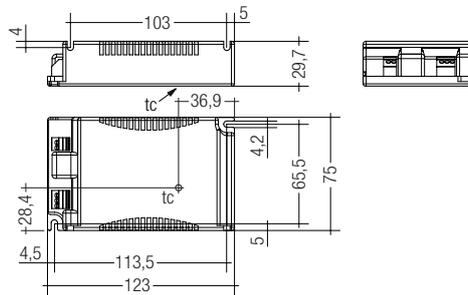
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	123 x 75 x 29.7 mm

Ordering data

Type	Article number ⁴⁾	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 50W 1200mA fixC C SNC	87500568	10 pc(s).	180 pc(s).	2,160 pc(s).	0.151 kg
LC 60W 700mA fixC C SNC	87500569	10 pc(s).	180 pc(s).	2,160 pc(s).	0.147 kg
LC 60W 1400mA fixC C SNC	87500570	10 pc(s).	180 pc(s).	2,160 pc(s).	0.156 kg

Specific technical data

Type	Output current ³⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. peak output current at full load ²⁾	Max. peak output current at min. load ²⁾	Max. casing temperature t_c
LC 50W 1200mA fixC C SNC	1,200 mA	0.26 A	58 W	55.5 W	36.0 – 51.6 W	0.96	90 %	0.92C	88 %	30 V	43 V	55 V	1,700 mA	1,800 mA	82 °C
LC 60W 700mA fixC C SNC	700 mA	0.29 A	68 W	66.0 W	42.0 – 59.5 W	0.96	91 %	0.94C	89 %	60 V	85 V	100 V	1,000 mA	1,100 mA	85 °C
LC 60W 1400mA fixC C SNC	1,400 mA	0.30 A	68 W	66.5 W	42.0 – 60.2 W	0.96	90 %	0.94C	88 %	30 V	43 V	55 V	2,000 mA	2,100 mA	88 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

⁴⁾ KC approval mark for art. no.: 87500568 and 87500570.



Driver LC 50/60W 1200/700/1400mA fixC SR SNC
ESSENCE series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 1,200, 700 or 1,400 mA
- Max. output power 50 or 60 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

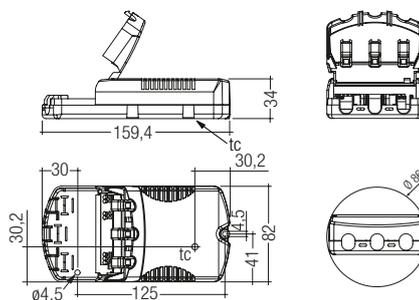
Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature <i>t</i> _a	-20 ... +50 °C
Ambient temperature <i>t</i> _a (at life-time 50,000 h)	40 °C
Max. casing temperature <i>t</i> _c	-40 ... +80 °C
Storage temperature <i>t</i> _s	90 °C
Dimensions L x W x H	159.4 x 82 x 34 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 50W 1200mA fixC SR SNC	87500553	20 pc(s).	280 pc(s).	1,120 pc(s).	0.196 kg
LC 60W 700mA fixC SR SNC	87500554	20 pc(s).	280 pc(s).	1,120 pc(s).	0.193 kg
LC 60W 1400mA fixC SR SNC	87500555	20 pc(s).	280 pc(s).	1,120 pc(s).	0.195 kg

Specific technical data

Type	Output current (at 230 V, 50 Hz, full load) ³⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. peak output current at full load ²⁾	Max. peak output current at min. load ²⁾
LC 50W 1200mA fixC SR SNC	1,200 mA	0.26 A	58 W	55.5 W	36.0 – 51.6 W	0.96	90 %	0.92C	88 %	30 V	43 V	55 V	1,700 mA	1,800 mA
LC 60W 700mA fixC SR SNC	700 mA	0.29 A	68 W	60.0 W	42.0 – 59.5 W	0.96	91 %	0.94C	89 %	60 V	85 V	100 V	1,000 mA	1,100 mA
LC 60W 1400mA fixC SR SNC	1,400 mA	0.30 A	68 W	66.5 W	42.0 – 60.2 W	0.96	90 %	0.94C	88 %	30 V	43 V	55 V	2,000 mA	2,100 mA

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

IP20 SELV ∇ 10/ r2m EL
 ENE CE RoHS



Driver LC 25W 100–500mA flexC Ip EXC

EXCITE series SELV

Product description

- Constant current LED Driver for luminaire installation
- Adjustable output current between 100 and 500 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 25 W
- Up to 87 % efficiency
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 0° push terminals

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

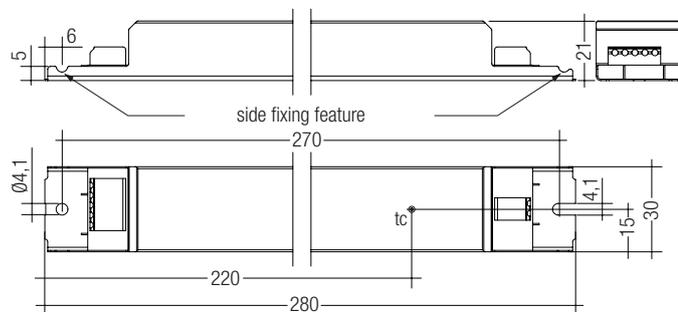
Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	130 mA
Typ. current (220 V, 0 Hz, full load) ¹⁾	130 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 μ A
Max. input power	29.2 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	87 %
λ (at 230 V, 50 Hz, full load)	0.95
Typ. input current in no-load operation	23 mA
Typ. input power in no-load operation	0.53 W
In-rush current (peak / duration)	20 A / 200 μ s
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ⁴⁾	\pm 5 %
Max. output current peak (non-repetitive)	\leq output current + 35 %
Output LF current ripple (< 120 Hz)	\pm 5 %
Max. output voltage	58 V
Suitable for burst / surge peaks up to (between L – N)	1 kV
Suitable for burst / surge peaks up to (between L/N – PE)	2 kV
Burst / surge peaks output side against PE	< 500 V
Dimensions L x W x H	280 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 25W 100–500mA flexC Ip EXC	28000679	10 pc(s).	960 pc(s).	0.169 kg

Specific technical data

Type	Output current ^{2) 4)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ³⁾
LC 25W 100-500mA flexC Ip EXC	100 mA	25.0 V	50 V	5.0 W	7.4 W	45 mA	70 °C	-25 ... +60 °C	open
	125 mA	20.0 V	50 V	6.3 W	9.1 W	51 mA	70 °C	-25 ... +60 °C	40.00 kΩ
	150 mA	22.5 V	50 V	7.5 W	10.3 W	56 mA	70 °C	-25 ... +60 °C	33.33 kΩ
	175 mA	20.0 V	50 V	8.8 W	11.9 W	62 mA	70 °C	-25 ... +60 °C	28.57 kΩ
	200 mA	20.0 V	50 V	10.0 W	13.0 W	67 mA	80 °C	-25 ... +60 °C	25.00 kΩ
	225 mA	20.0 V	50 V	11.3 W	14.3 W	71 mA	80 °C	-25 ... +60 °C	22.22 kΩ
	250 mA	20.0 V	50 V	12.5 W	15.6 W	77 mA	80 °C	-25 ... +60 °C	20.00 kΩ
	275 mA	20.0 V	50 V	13.8 W	16.9 W	82 mA	80 °C	-25 ... +60 °C	18.18 kΩ
	300 mA	20.0 V	50 V	15.0 W	18.1 W	87 mA	80 °C	-25 ... +60 °C	16.67 kΩ
	325 mA	20.0 V	50 V	16.3 W	19.9 W	94 mA	75 °C	-25 ... +60 °C	15.38 kΩ
	350 mA	20.0 V	50 V	17.5 W	21.0 W	99 mA	75 °C	-25 ... +60 °C	14.29 kΩ
	375 mA	21.5 V	50 V	18.8 W	22.3 W	104 mA	75 °C	-25 ... +60 °C	13.33 kΩ
	400 mA	22.0 V	50 V	20.0 W	23.8 W	111 mA	75 °C	-25 ... +60 °C	12.50 kΩ
	425 mA	22.8 V	50 V	21.3 W	25.5 W	117 mA	75 °C	-25 ... +60 °C	11.76 kΩ
	450 mA	23.0 V	50 V	22.5 W	26.3 W	121 mA	75 °C	-25 ... +60 °C	11.11 kΩ
	475 mA	24.3 V	50 V	23.8 W	27.8 W	127 mA	75 °C	-25 ... +60 °C	10.53 kΩ
	500 mA	25.0 V	50 V	25.0 W	29.2 W	133 mA	75 °C	-25 ... +60 °C	short circuit (0 Ω)

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

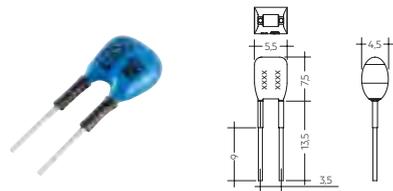
RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging bag	Weight per pc.
I-SELECT 2 PLUG 125MA BL	28001101	Blue	0125 mA	125 mA	40.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 150MA BL	28001102	Blue	0150 mA	150 mA	33.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 175MA BL	28001103	Blue	0175 mA	175 mA	28.57 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 200MA BL	28001104	Blue	0200 mA	200 mA	25.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 225MA BL	28001105	Blue	0225 mA	225 mA	22.22 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LC 50W 350–1050mA flexC Ip EXC

EXCITE series SELV

Product description

- Constant current LED Driver for luminaire installation
- Adjustable output current between 350 and 1,050 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 50 W
- Up to 90 % efficiency
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 0° push terminals

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

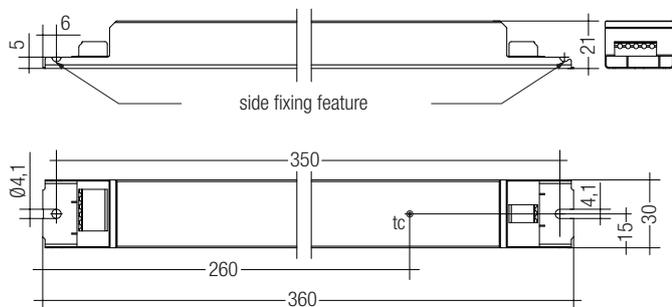
Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	250 mA
Typ. current (220 V, 0 Hz, full load) ¹⁾	129 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	56.2 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	90 %
λ (at 230 V, 50 Hz, full load)	0.98
Typ. input current in no-load operation	21 mA
Typ. input power in no-load operation	0.1 W
In-rush current (peak / duration)	219 A / 140 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ⁴⁾	± 5 %
Max. output current peak (non-repetitive)	± output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage	51.6 V
Suitable for burst / surge peaks up to (between L – N)	1 kV
Suitable for burst / surge peaks up to (between L/N – PE)	2 kV
Burst / surge peaks output side against PE	< 500 V
Dimensions L x W x H	360 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 50W 350–1050mA flexC Ip EXC	28000681	10 pc(s).	760 pc(s).	0.234 kg

Specific technical data

Type	Output current ²⁾⁴⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ³⁾
LC 50W 350–1050mA flexC Ip EXC	350 mA	20 V	50 V	17.5 W	20.6 W	99 mA	85 °C	-25 ... +70 °C	open
	400 mA	20 V	50 V	20.0 W	23.3 W	111 mA	85 °C	-25 ... +70 °C	12.5 kΩ
	450 mA	20 V	50 V	22.5 W	25.6 W	120 mA	85 °C	-25 ... +70 °C	111 kΩ
	500 mA	20 V	50 V	25.0 W	28.7 W	133 mA	85 °C	-25 ... +65 °C	10.0 kΩ
	550 mA	20 V	50 V	27.5 W	30.6 W	141 mA	85 °C	-25 ... +65 °C	9.1 kΩ
	600 mA	20 V	50 V	30.0 W	34.0 W	155 mA	85 °C	-25 ... +65 °C	8.3 kΩ
	650 mA	20 V	50 V	32.5 W	36.8 W	168 mA	85 °C	-25 ... +65 °C	7.7 kΩ
	700 mA	20 V	50 V	35.0 W	39.4 W	178 mA	85 °C	-25 ... +65 °C	7.1 kΩ
	750 mA	20 V	50 V	37.5 W	42.0 W	190 mA	85 °C	-25 ... +60 °C	6.7 kΩ
	800 mA	20 V	50 V	40.0 W	45.5 W	204 mA	85 °C	-25 ... +60 °C	6.3 kΩ
	850 mA	20 V	50 V	42.5 W	47.6 W	213 mA	85 °C	-25 ... +60 °C	5.9 kΩ
	900 mA	20 V	50 V	45.0 W	50.1 W	224 mA	85 °C	-25 ... +60 °C	5.6 kΩ
	950 mA	20 V	50 V	47.5 W	53.6 W	239 mA	85 °C	-25 ... +60 °C	5.3 kΩ
	1,000 mA	20 V	50 V	50.0 W	56.2 W	250 mA	85 °C	-25 ... +60 °C	5.0 kΩ
	1,050 mA	20 V	48 V	50.4 W	56.2 W	250 mA	85 °C	-25 ... +60 °C	short circuit (0 Ω)

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

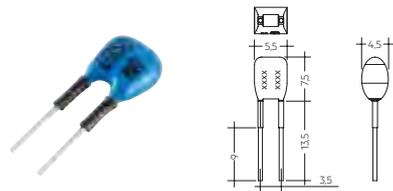
RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg

IP20 SELV ∇ 10/ r2m EL
 ENEC CE RoHS



Driver LC 75W 900–1800mA flexC Ip EXC

EXCITE series SELV

Product description

- Constant current LED Driver for luminaire installation
- Adjustable output current between 900 and 1,800 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 75 W
- Up to 91 % efficiency
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 0° push terminals

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

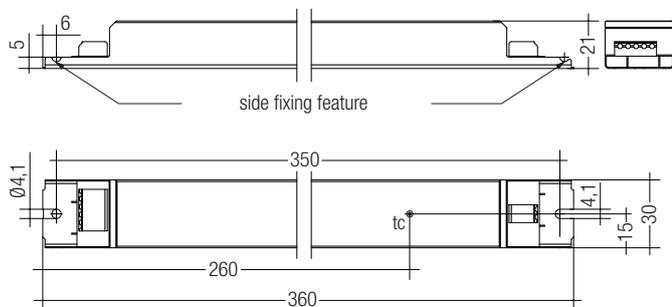
Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	250 mA
Typ. current (220 V, 0 Hz, full load) ¹⁾	129 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 μ A
Max. input power	56.2 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	90 %
λ (at 230 V, 50 Hz, full load)	0.98
Typ. input current in no-load operation	21 mA
Typ. input power in no-load operation	0.1 W
In-rush current (peak / duration)	21.9 A / 140 μ s
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ⁴⁾	\pm 5 %
Max. output current peak (non-repetitive)	\pm output current + 35 %
Output LF current ripple (< 120 Hz)	\pm 5 %
Max. output voltage	51.6 V
Suitable for burst / surge peaks up to (between L – N)	1 kV
Suitable for burst / surge peaks up to (between L/N – PE)	2 kV
Burst / surge peaks output side against PE	< 500 V
Dimensions L x W x H	360 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 75W 900–1800mA flexC Ip EXC	28000684	10 pc(s).	760 pc(s).	0.238 kg

Specific technical data

Type	Output current ^{2) 4)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point		Ambient temperature ta max.	I-select 2 resistor value ³⁾
							max.			
LC 75W 900-1800mA flexC Ip EXC	900 mA	20 V	50 V	45.0 W	50.6 W	228 mA	80 °C	-25 ... +55 °C		open
	950 mA	20 V	50 V	47.5 W	53.3 W	241 mA	80 °C	-25 ... +55 °C		5.26 kΩ
	1,000 mA	20 V	50 V	50.0 W	56.6 W	254 mA	80 °C	-25 ... +50 °C		5.00 kΩ
	1,050 mA	20 V	50 V	52.5 W	59.3 W	266 mA	80 °C	-25 ... +50 °C		4.76 kΩ
	1,100 mA	20 V	50 V	55.0 W	62.0 W	277 mA	80 °C	-25 ... +50 °C		4.55 kΩ
	1,150 mA	20 V	50 V	57.5 W	64.4 W	287 mA	80 °C	-25 ... +50 °C		4.35 kΩ
	1,200 mA	20 V	50 V	60.0 W	66.0 W	294 mA	80 °C	-25 ... +50 °C		4.17 kΩ
	1,250 mA	20 V	50 V	62.5 W	70.3 W	313 mA	80 °C	-25 ... +50 °C		4.00 kΩ
	1,300 mA	20 V	50 V	65.0 W	72.8 W	324 mA	80 °C	-25 ... +50 °C		3.85 kΩ
	1,350 mA	20 V	50 V	67.5 W	74.5 W	330 mA	80 °C	-25 ... +50 °C		3.70 kΩ
	1,400 mA	20 V	50 V	70.0 W	77.9 W	345 mA	80 °C	-25 ... +50 °C		3.57 kΩ
	1,450 mA	20 V	50 V	72.5 W	80.4 W	357 mA	80 °C	-25 ... +50 °C		3.45 kΩ
	1,500 mA	20 V	50 V	75.0 W	83.5 W	370 mA	80 °C	-25 ... +50 °C		3.33 kΩ
	1,550 mA	20 V	48 V	75.0 W	82.8 W	359 mA	80 °C	-25 ... +50 °C		3.23 kΩ
	1,600 mA	20 V	47 V	75.0 W	83.8 W	370 mA	80 °C	-25 ... +50 °C		3.13 kΩ
	1,650 mA	20 V	45 V	75.0 W	82.6 W	365 mA	80 °C	-25 ... +50 °C		3.03 kΩ
	1,700 mA	20 V	44 V	75.0 W	84.5 W	374 mA	80 °C	-25 ... +50 °C		2.94 kΩ
	1,750 mA	20 V	43 V	75.0 W	83.9 W	371 mA	80 °C	-25 ... +50 °C		2.86 kΩ
	1,800 mA	20 V	42 V	75.0 W	83.9 W	371 mA	80 °C	-25 ... +50 °C		short circuit (0 Ω)

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

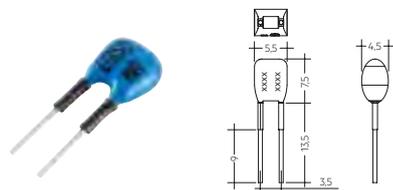
RoHS

ACCES-
SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1,000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1,050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1500MA BL	28001133	Blue	1500 mA	1,500 mA	3.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1600MA BL	28001134	Blue	1600 mA	1,600 mA	3.13 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1700MA BL	28001135	Blue	1700 mA	1,700 mA	2.94 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LC 50W 100–400mA flexC Ip EXC

EXCITE series non-SELV

Product description

- Constant current LED Driver for luminaire installation
- Adjustable output current between 100 and 400 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 50 W
- Up to 93 % efficiency
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 0° push terminals

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

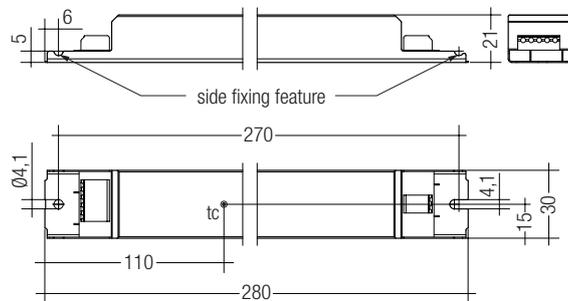
Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	236 mA
Typ. current (220 V, 0 Hz, full load) ¹⁾	115 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	54 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	93 %
λ (at 230 V, 50 Hz, full load)	0.98
Typ. input current in no-load operation	24 mA
Typ. input power in no-load operation	0.6 W
In-rush current (peak / duration)	25.8 A / 280 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ⁴⁾	± 5 %
Max. output current peak (non-repetitive)	± output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage	250 V
Suitable for burst / surge peaks up to (between L – N)	1 kV
Suitable for burst / surge peaks up to (between L/N – PE)	2 kV
Burst / surge peaks output side against PE	2 kV
Dimensions L x W x H	280 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 50W 100–400mA flexC Ip EXC	28000680	10 pc(s).	960 pc(s).	0.178 kg

Specific technical data

Type	Output current ^{2) 4)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ³⁾
LC 50W 100–400mA flexC Ip EXC	100 mA	60 V	140 V	14.0 W	16.5 W	82 mA	75 °C	-25 ... +65 °C	open
	125 mA	50 V	140 V	17.5 W	20.3 W	97 mA	75 °C	-25 ... +65 °C	40.0 kΩ
	150 mA	50 V	140 V	21.0 W	23.7 W	112 mA	75 °C	-25 ... +65 °C	33.3 kΩ
	175 mA	50 V	140 V	24.5 W	27.5 W	128 mA	75 °C	-25 ... +65 °C	28.6 kΩ
	200 mA	50 V	140 V	28.0 W	30.9 W	142 mA	75 °C	-25 ... +60 °C	25.0 kΩ
	225 mA	50 V	140 V	31.5 W	34.6 W	158 mA	75 °C	-25 ... +60 °C	22.2 kΩ
	250 mA	50 V	140 V	35.0 W	37.6 W	171 mA	75 °C	-25 ... +60 °C	20.0 kΩ
	275 mA	50 V	140 V	38.5 W	41.5 W	187 mA	75 °C	-25 ... +60 °C	18.2 kΩ
	300 mA	50 V	140 V	42.0 W	46.7 W	208 mA	75 °C	-25 ... +60 °C	16.7 kΩ
	325 mA	50 V	140 V	45.5 W	48.9 W	217 mA	70 °C	-25 ... +55 °C	15.4 kΩ
	350 mA	50 V	140 V	49.0 W	51.2 W	227 mA	70 °C	-25 ... +55 °C	14.3 kΩ
	375 mA	50 V	133 V	50.0 W	54.0 W	239 mA	70 °C	-25 ... +55 °C	13.3 kΩ
	400 mA	50 V	125 V	50.0 W	53.6 W	238 mA	70 °C	-25 ... +55 °C	short circuit (0 Ω)

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

RoHS

ACCES-
SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 125MA BL	28001101	Blue	0125 mA	125 mA	40.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 150MA BL	28001102	Blue	0150 mA	150 mA	33.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 175MA BL	28001103	Blue	0175 mA	175 mA	28.57 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 200MA BL	28001104	Blue	0200 mA	200 mA	25.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 225MA BL	28001105	Blue	0225 mA	225 mA	22.22 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LC 75W 100–400mA flexC Ip EXC

EXCITE series non-SELV

Product description

- Constant current LED Driver for luminaire installation
- Adjustable output current between 100 and 400 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 75 W
- Up to 94 % efficiency
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 0° push terminals

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

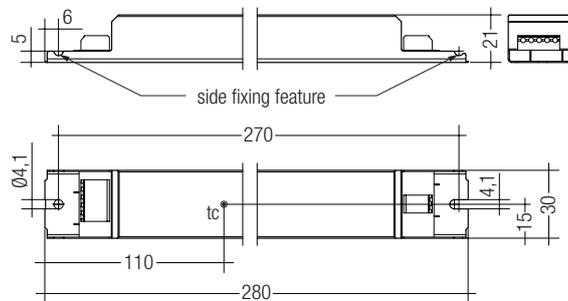
Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	350 mA
Typ. current (220 V, 0 Hz, full load) ¹⁾	173 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	809 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	94 %
λ (at 230 V, 50 Hz, full load)	0.99
Typ. input current in no-load operation	24 mA
Typ. input power in no-load operation	0.6 W
In-rush current (peak / duration)	25.8 A / 280 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ⁴⁾	± 5 %
Max. output current peak (non-repetitive)	± output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage	250 V
Suitable for burst / surge peaks up to (between L – N)	1 kV
Suitable for burst / surge peaks up to (between L/N – PE)	2 kV
Burst / surge peaks output side against PE	2 kV
Dimensions L x W x H	280 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 75W 100–400mA flexC Ip EXC	28000713	10 pc(s).	960 pc(s).	0.178 kg

Specific technical data

Type	Output current ^{2) 4)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ³⁾
LC 75W 100–400mA flexC Ip EXC	100 mA	60 V	220 V	22.0 W	24.3 W	114 mA	75 °C	-25 ... +65 °C	open
	125 mA	50 V	220 V	27.5 W	30.3 W	139 mA	75 °C	-25 ... +65 °C	40.0 kΩ
	150 mA	50 V	220 V	33.0 W	34.3 W	156 mA	75 °C	-25 ... +65 °C	33.3 kΩ
	175 mA	50 V	220 V	38.5 W	41.9 W	188 mA	75 °C	-25 ... +65 °C	28.6 kΩ
	200 mA	50 V	220 V	44.0 W	48.4 W	215 mA	80 °C	-25 ... +60 °C	25.0 kΩ
	225 mA	50 V	220 V	49.5 W	53.8 W	238 mA	80 °C	-25 ... +60 °C	22.2 kΩ
	250 mA	50 V	220 V	55.0 W	58.8 W	260 mA	80 °C	-25 ... +60 °C	20.0 kΩ
	275 mA	50 V	220 V	60.5 W	64.8 W	285 mA	80 °C	-25 ... +60 °C	18.2 kΩ
	300 mA	50 V	220 V	66.0 W	70.7 W	311 mA	75 °C	-25 ... +55 °C	16.7 kΩ
	325 mA	50 V	220 V	71.5 W	76.5 W	336 mA	75 °C	-25 ... +55 °C	15.4 kΩ
	350 mA	50 V	214 V	75.0 W	80.6 W	353 mA	75 °C	-25 ... +55 °C	14.3 kΩ
	375 mA	50 V	200 V	75.0 W	80.9 W	355 mA	75 °C	-25 ... +55 °C	13.3 kΩ
	400 mA	50 V	188 V	75.0 W	80.6 W	354 mA	75 °C	-25 ... +55 °C	short circuit (0 Ω)

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

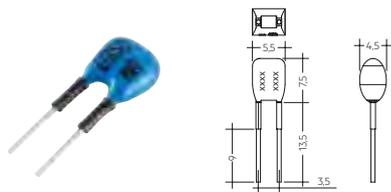
RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 125MA BL	28001101	Blue	0125 mA	125 mA	40.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 150MA BL	28001102	Blue	0150 mA	150 mA	33.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 175MA BL	28001103	Blue	0175 mA	175 mA	28.57 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 200MA BL	28001104	Blue	0200 mA	200 mA	25.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 225MA BL	28001105	Blue	0225 mA	225 mA	22.22 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Driver LC 75W 250–550mA flexC Ip EXC

EXCITE series non-SELV

Product description

- Built-in constant current LED Driver
- Adjustable output current between 250 and 550 mA via ready2mains Programmer or I-select 2 plug
- Max. output power 75 W
- Up to 94 % efficiency
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 0° push terminals

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

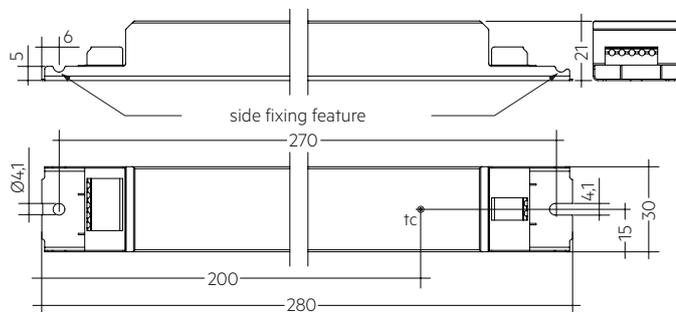
Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Oversvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	345 mA
Typ. current (220 V, 0 Hz, full load) ¹⁾	178 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	81 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	94 %
λ (at 230 V, 50 Hz, full load)	0.98
Typ. input current in no-load operation	23.3 mA
Typ. input power in no-load operation	0.39 W
In-rush current (peak / duration)	57.7 A / 217 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ⁴⁾	± 5 %
Max. output current peak (non-repetitive)	± output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage	250 V
Suitable for burst / surge peaks up to (between L – N)	1 kV
Suitable for burst / surge peaks up to (between L/N – PE)	2 kV
Burst / surge peaks output side against PE	2 kV
Dimensions L x W x H	280 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 75W 250-550mA flexC Ip EXC	28001808	10 pc(s).	960 pc(s).	0.205 kg

Specific technical data

Type	Output current ^{2) 4)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ³⁾
LC 75W 250-550mA flexC Ip EXC	250 mA	80 V	220,0 V	55,0 W	56,3 W	251 mA	75 °C	-25 ... +60 °C	open
	275 mA	80 V	220,0 V	60,5 W	64,5 W	287 mA	75 °C	-25 ... +60 °C	18.18 kΩ
	300 mA	80 V	220,0 V	66,0 W	70,2 W	311 mA	75 °C	-25 ... +60 °C	16.67 kΩ
	325 mA	80 V	220,0 V	71,5 W	75,1 W	332 mA	75 °C	-25 ... +60 °C	15.38 kΩ
	350 mA	80 V	214,3 V	75,0 W	80,4 W	346 mA	75 °C	-25 ... +60 °C	14.29 kΩ
	375 mA	80 V	200,0 V	75,0 W	80,2 W	345 mA	75 °C	-25 ... +60 °C	13.33 kΩ
	400 mA	80 V	187,5 V	75,0 W	80,3 W	345 mA	75 °C	-25 ... +60 °C	12.50 kΩ
	425 mA	80 V	176,5 V	75,0 W	80,2 W	345 mA	75 °C	-25 ... +60 °C	11.76 kΩ
	450 mA	80 V	166,7 V	75,0 W	80,2 W	345 mA	75 °C	-25 ... +60 °C	11.11 kΩ
	475 mA	80 V	157,9 V	75,0 W	80,2 W	345 mA	75 °C	-25 ... +60 °C	10.53 kΩ
	500 mA	80 V	150,0 V	75,0 W	80,0 W	345 mA	75 °C	-25 ... +60 °C	10.00 kΩ
	525 mA	80 V	142,9 V	75,0 W	80,1 W	345 mA	75 °C	-25 ... +60 °C	9.52 kΩ
	550 mA	80 V	136,4 V	75,0 W	80,5 W	345 mA	75 °C	-25 ... +60 °C	short circuit (0 Ω)

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

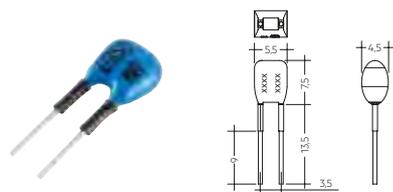
RoHS

ACCES-
SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LC 75W 350–1050mA flexC Ip EXC

EXCITE series non-SELV

Product description

- Constant current LED Driver for luminaire installation
- Adjustable output current between 350 and 1,050 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 75 W
- Up to 92 % efficiency
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 0° push terminals

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

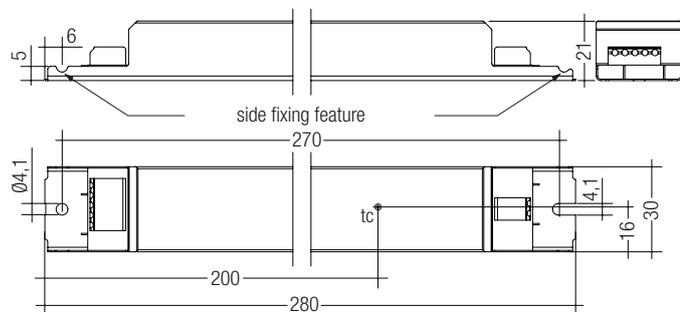
Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	360 mA
Typ. current (220 V, 0 Hz, full load) ¹⁾	179 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	81.5 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	92 %
λ (at 230 V, 50 Hz, full load)	0.99
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	0.3 W
In-rush current (peak / duration)	25.8 A / 280 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ⁴⁾	± 5 %
Max. output current peak (non-repetitive)	± output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage	250 V
Suitable for burst / surge peaks up to (between L – N)	1 kV
Suitable for burst / surge peaks up to (between L/N – PE)	2 kV
Burst / surge peaks output side against PE	2 kV
Dimensions L x W x H	280 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 75W 350–1050mA flexC Ip EXC	28000683	10 pc(s).	960 pc(s).	0.192 kg

Specific technical data

Type	Output current ²⁾⁴⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ³⁾
LC 75W 350–1050mA flexC Ip EXC	350 mA	40 V	110 V	38.5 W	40.4 W	183 mA	80 °C	-25 ... +65 °C	open
	400 mA	40 V	110 V	44.0 W	47.0 W	211 mA	80 °C	-25 ... +60 °C	12.5 kΩ
	450 mA	40 V	110 V	49.5 W	52.5 W	234 mA	80 °C	-25 ... +60 °C	11.11 kΩ
	500 mA	40 V	110 V	55.0 W	57.4 W	255 mA	80 °C	-25 ... +60 °C	10.0 kΩ
	550 mA	40 V	110 V	60.5 W	63.4 W	280 mA	75 °C	-25 ... +50 °C	9.09 kΩ
	600 mA	40 V	110 V	66.0 W	69.0 W	305 mA	75 °C	-25 ... +50 °C	8.33 kΩ
	650 mA	40 V	110 V	71.5 W	74.9 W	331 mA	75 °C	-25 ... +50 °C	7.69 kΩ
	700 mA	40 V	107 V	75.0 W	78.2 W	345 mA	75 °C	-25 ... +50 °C	7.14 kΩ
	750 mA	40 V	100 V	75.0 W	79.0 W	348 mA	85 °C	-25 ... +50 °C	6.67 kΩ
	800 mA	40 V	94 V	75.0 W	79.1 W	349 mA	85 °C	-25 ... +50 °C	6.25 kΩ
	850 mA	40 V	88 V	75.0 W	79.7 W	351 mA	85 °C	-25 ... +50 °C	5.88 kΩ
	900 mA	40 V	83 V	75.0 W	79.8 W	352 mA	85 °C	-25 ... +50 °C	5.56 kΩ
	950 mA	40 V	79 V	75.0 W	80.5 W	359 mA	85 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	40 V	75 V	75.0 W	80.3 W	354 mA	85 °C	-25 ... +50 °C	5.00 kΩ
	1,050 mA	40 V	71 V	75.0 W	81.3 W	360 mA	85 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

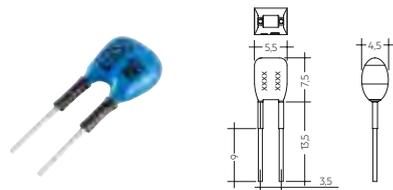
RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg

**Driver LC 100W 250–700mA flexC Ip EXC**

EXCITE series non-SELV

Product description

- Constant current LED Driver for luminaire installation
- Adjustable output current between 250 and 700 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 100 W
- Up to 95 % efficiency
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)
- Terminal blocks: 0° push terminals

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

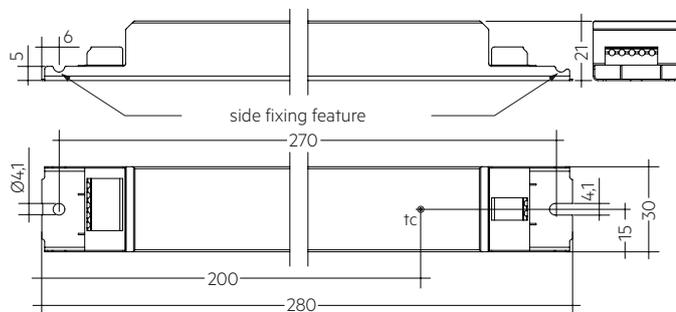
- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	470 mA
Typ. current (220 V, 0 Hz, full load) ¹⁾	226 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	106 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	95 %
λ (at 230 V, 50 Hz, full load)	0.99
Typ. input current in no-load operation	23.3 mA
Typ. input power in no-load operation	0.39 W
In-rush current (peak / duration)	57.7 A / 217 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ⁴⁾	± 5 %
Max. output current peak (non-repetitive)	± output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage	250 V
Suitable for burst / surge peaks up to (between L – N)	1 kV
Suitable for burst / surge peaks up to (between L/N – PE)	2 kV
Burst / surge peaks output side against PE	2.5 kV
Dimensions L x W x H	280 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 100W 250–700mA flexC Ip EXC	28000690	10 pc(s).	960 pc(s).	0.205 kg

Specific technical data

Type	Output current ^{2) 4)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient		I-select 2 resistor value ³⁾
								temperature ta max.		
LC 100W 250-700mA flexC Ip EXC	250 mA	80 V	220 V	55.0 W	56.3 W	251 mA	75 °C	-25 ... +60 °C	open	
	275 mA	80 V	220 V	60.5 W	64.5 W	287 mA	75 °C	-25 ... +60 °C	18.18 kΩ	
	300 mA	80 V	220 V	66.0 W	70.9 W	313 mA	75 °C	-25 ... +60 °C	16.67 kΩ	
	325 mA	80 V	220 V	71.5 W	77.5 W	343 mA	75 °C	-25 ... +60 °C	15.38 kΩ	
	350 mA	80 V	220 V	77.0 W	81.7 W	359 mA	75 °C	-25 ... +60 °C	14.29 kΩ	
	375 mA	80 V	220 V	82.5 W	86.5 W	381 mA	75 °C	-25 ... +60 °C	13.33 kΩ	
	400 mA	80 V	220 V	88.0 W	91.7 W	402 mA	75 °C	-25 ... +60 °C	12.50 kΩ	
	425 mA	80 V	220 V	93.5 W	99.4 W	436 mA	75 °C	-25 ... +60 °C	11.76 kΩ	
	450 mA	80 V	220 V	99.0 W	105.6 W	462 mA	75 °C	-25 ... +60 °C	11.11 kΩ	
	475 mA	80 V	210 V	99.8 W	103.9 W	456 mA	75 °C	-25 ... +60 °C	10.53 kΩ	
	500 mA	80 V	200 V	100.0 W	103.7 W	454 mA	75 °C	-25 ... +60 °C	10.00 kΩ	
	525 mA	80 V	190 V	100.0 W	105.2 W	462 mA	75 °C	-25 ... +60 °C	9.52 kΩ	
	550 mA	80 V	182 V	100.0 W	105.4 W	461 mA	75 °C	-25 ... +60 °C	9.09 kΩ	
	575 mA	80 V	174 V	100.0 W	105.1 W	462 mA	80 °C	-25 ... +60 °C	8.70 kΩ	
	600 mA	80 V	167 V	100.0 W	105.8 W	465 mA	80 °C	-25 ... +60 °C	8.33 kΩ	
	625 mA	80 V	160 V	100.0 W	104.5 W	459 mA	80 °C	-25 ... +60 °C	8.00 kΩ	
	650 mA	80 V	154 V	100.0 W	104.7 W	458 mA	80 °C	-25 ... +60 °C	7.69 kΩ	
	675 mA	80 V	148 V	100.0 W	104.3 W	458 mA	80 °C	-25 ... +60 °C	7.41 kΩ	
	700 mA	80 V	143 V	100.0 W	105.7 W	465 mA	80 °C	-25 ... +60 °C	short circuit (0 Ω)	

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

RoHS

ACCES-
SORIES

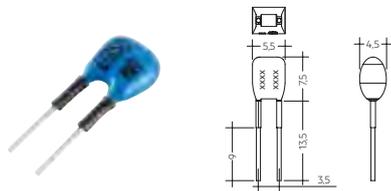
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LC 19W 250-350mA flexC Ip ADV

ADVANCED series SELV

Product description

- Built-in constant current LED Driver
- Adjustable output current between 250 and 350 mA
- Max. output power 19 W
- Up to 84 % efficiency
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- Terminal blocks: 45° push terminals

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Overtemperature protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

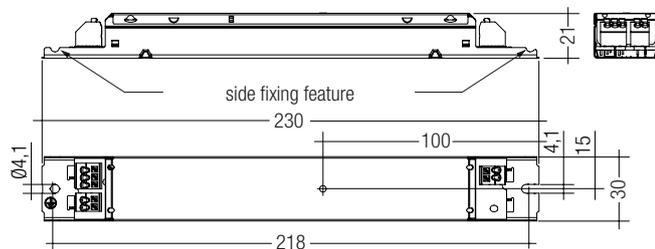
Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Max. input current (at 230 V, 50 Hz, full load)	0.12 A
Leakage current (at 230 V, 50 Hz, full load)	< 700 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Max. input power	23.5 W
Typ. power consumption (at 230 V, 50 Hz, full load) ¹⁾	23 W
Min. output power	6.3 W
Max. output power	19 W
Typ. efficiency (at 230 V / 50 Hz / full load) ¹⁾	84 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.90C
Output current tolerance ²⁾⁵⁾	± 7.5 %
Max. output current peak ³⁾	≤ output current + 20 %
Max. output voltage	60 V
THD (at 230 V, 50 Hz, full load)	< 15 %
Typ. LF current ripple (at 230 V, 50 Hz, full load)	± 7.5 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature <i>t</i> _a (at life-time 50,000 h)	40 °C
Storage temperature <i>t</i> _s	-40 ... +80 °C
Dimensions L x W x H	230 x 30 x 21 mm
Hole spacing D	218 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 19W 250-350mA flexC Ip ADV	87500585	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.133 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.	I-out select	Resistor ⁴⁾
LC 19W 250-350mA flexC Ip ADV	250 mA	25 V	54 V	13,5 W	16,5 W	79 mA	65 °C	-20 ... +50 °C	0-1	ADV Type A
	275 mA	25 V	54 V	14,9 W	18,5 W	87 mA	65 °C	-20 ... +50 °C	0-1	ADV Type D
	300 mA	25 V	54 V	16,2 W	20,0 W	92 mA	65 °C	-20 ... +50 °C	0-2	ADV Type A
	325 mA	25 V	54 V	17,6 W	21,5 W	99 mA	65 °C	-20 ... +50 °C	0-2	ADV Type D
	350 mA	25 V	54 V	19,0 W	23,0 W	105 mA	65 °C	-20 ... +50 °C	open	-

¹⁾ Test result at 350 mA.²⁾ Output current is mean value.³⁾ Test result at 25 °C.⁴⁾ Type A is a short circuit plug (0 Ω).⁵⁾ Test result at default output current.

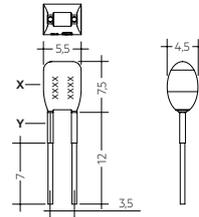
RoHS

ACCESSORIES

ADV Plug for output current select

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver serie LC flexC ADV; not compatible with I-select (generation 1) and I-select 2 (generation 2)
- Resistor is base isolated
- Resistor power 0,25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Hot plug of the resistor is not permitted
- For detailed current setting see table "Specific technical data" of the respective LED Driver and chapter 3.7 or 3.8 Current setting in data sheet



Ordering data

Type	Article number	Colour of X area	Colour of Y area	Marking	Resistor value	Packaging, bag	Weight per pc.
ADV Plug Type A YL	28001771	Yellow	Yellow	A	0.0 Ω	10 pc(s).	0.001 kg
ADV Plug Type D YL	28001774	Yellow	White	D	54.9 Ω	10 pc(s).	0.001 kg



Driver LC 38W 500-700mA flexC Ip ADV

ADVANCED series SELV

Product description

- Built-in constant current LED Driver
- New version DC operating with EL marking
- Adjustable output current between 500 and 700 mA
- Max. output power 38 W
- Up to 85 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- Terminal blocks: 45° push terminals

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Overtemperature protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)
- Suitable for emergency lighting systems acc. to EN 50172

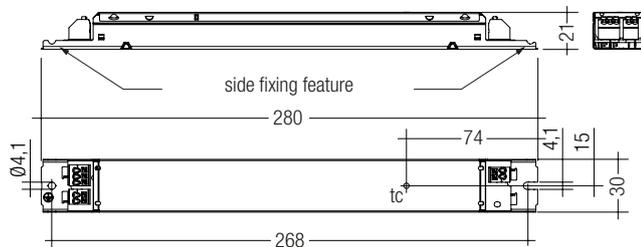
Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Max. input current (at 230 V, 50 Hz, full load)	0.22 A
Typ. input current (at 230 V, 0 Hz, full load)	0.189 A
Leakage current (at 230 V, 50 Hz, full load)	< 400 µA
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Max. input power	47 W
Typ. power consumption (at 230 V, 50 Hz, full load) ¹⁾	44.7 W
Min. output power	10 W
Max. output power	38 W
Typ. efficiency (at 230 V / 50 Hz / full load) ¹⁾	85 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ²⁾⁵⁾	± 7.5 %
Max. output current peak ³⁾	± output current + 20 %
Max. output voltage	60 V
THD (at 230 V, 50 Hz, full load)	< 8 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (at 230 V, 50 Hz, full load)	< 500 ms
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	280 x 30 x 21 mm
Hole spacing D	268 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 38W 500-700mA flexC Ip ADV	87500498	50 pc(s).	900 pc(s).	2,700 pc(s).	0.188 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.	I-out select	Resistor ⁴⁾
LC 38W 500-700mA flexC Ip ADV	500 mA	20 V	54 V	270 W	31.0 W	145 mA	70 °C	-20 ... +50 °C	0-1	ADV Type A
	550 mA	20 V	54 V	297 W	35.0 W	156 mA	75 °C	-20 ... +50 °C	0-1	ADV Type D
	600 mA	20 V	54 V	324 W	38.0 W	171 mA	75 °C	-20 ... +50 °C	0-2	ADV Type A
	650 mA	20 V	54 V	351 W	40.0 W	185 mA	80 °C	-20 ... +50 °C	0-2	ADV Type D
	700 mA	20 V	54 V	38.0 W	44.7 W	200 mA	80 °C	-20 ... +50 °C	open	-

¹⁾ Test result at 700 mA.

²⁾ Output current is mean value.

³⁾ Test result at 25 °C.

⁴⁾ Type A is a short circuit plug (0 Ω).

⁵⁾ Test result at default output current.

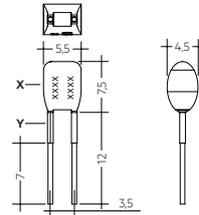
RoHS

ACCESSORIES

ADV Plug for output current select

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver serie LC flexC ADV; not compatible with I-select (generation 1) and I-select 2 (generation 2)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Hot plug of the resistor is not permitted
- For detailed current setting see table "Specific technical data" of the respective LED Driver and chapter 3.7 or 3.8 Current setting in data sheet



Ordering data

Type	Article number	Colour of X area	Colour of Y area	Marking	Resistor value	Packaging, bag	Weight per pc.
ADV Plug Type A YL	28001771	Yellow	Yellow	A	0.0 Ω	10 pc(s).	0.001 kg
ADV Plug Type D YL	28001774	Yellow	White	D	54.9 Ω	10 pc(s).	0.001 kg



Driver LC 57W 800-1050mA flexC Ip ADV

ADVANCED series SELV

Product description

- Built-in constant current LED Driver
- New version DC operating with EL marking
- Adjustable output current between 800 and 1,050 mA
- Max. output power 57 W
- Up to 86 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- Terminal blocks: 45° push terminals

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Overtemperature protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)
- Suitable for emergency lighting systems acc. to EN 50172

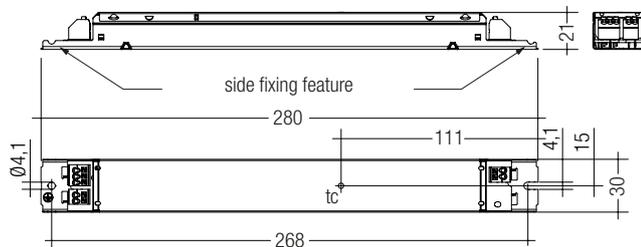
Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Max. input current (at 230 V, 50 Hz, full load)	0.32 A
Typ. input current (at 230 V, 0 Hz, full load)	0.283 A
Leakage current (at 230 V, 50 Hz, full load)	< 400 µA
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Max. input power	71 W
Typ. power consumption (at 230 V, 50 Hz, full load) ¹⁾	64.5 W
Min. output power	16 W
Max. output power	57 W
Typ. efficiency (at 230 V / 50 Hz / full load) ¹⁾	86 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ²⁾⁵⁾	± 7.5 %
Max. output current peak ³⁾	± output current + 20 %
Max. output voltage	60 V
THD (at 230 V, 50 Hz, full load)	< 8 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AD/DC)	< 500 ms
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta (at life-time 50,000 h)	45 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	280 x 30 x 21 mm
Hole spacing D	268 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 57W 800-1050mA flexC Ip ADV	87500500	50 pc(s).	900 pc(s).	2,700 pc(s).	0.191 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.	I-out select	Resistor ⁴⁾
LC 57W 800-1050mA flexC Ip ADV	800 mA	20 V	54 V	43.2 W	50.5 W	225 mA	85 °C	-20 ... +55 °C	0-1	ADV Type A
	850 mA	20 V	54 V	45.9 W	52.5 W	234 mA	85 °C	-20 ... +55 °C	0-1	ADV Type D
	900 mA	20 V	54 V	48.6 W	56.0 W	250 mA	85 °C	-20 ... +55 °C	0-2	ADV Type A
	950 mA	20 V	54 V	51.3 W	58.5 W	260 mA	85 °C	-20 ... +55 °C	0-2	ADV Type D
	1,050 mA	20 V	54 V	57.0 W	64.5 W	285 mA	90 °C	-20 ... +55 °C	open	-

¹⁾ Test result at 1,050 mA.

²⁾ Output current is mean value.

³⁾ Test result at 25 °C.

⁴⁾ Type A is a short circuit plug (0 Ω).

⁵⁾ Test result at default output current.

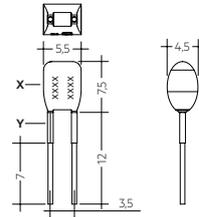
RoHS

ACCESSORIES

ADV Plug for output current select

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver serie LC flexC ADV; not compatible with I-select (generation 1) and I-select 2 (generation 2)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Hot plug of the resistor is not permitted
- For detailed current setting see table "Specific technical data" of the respective LED Driver and chapter 3.7 or 3.8 Current setting in data sheet



Ordering data

Type	Article number	Colour of X area	Colour of Y area	Marking	Resistor value	Packaging, bag	Weight per pc.
ADV Plug Type A YL	28001771	Yellow	Yellow	A	0.0 Ω	10 pc(s).	0.001 kg
ADV Plug Type D YL	28001774	Yellow	White	D	54.9 Ω	10 pc(s).	0.001 kg



Driver LC 81W 1200-1750mA flexC Ip ADV

ADVANCED series SELV

Product description

- Built-in constant current LED Driver
- New version DC operating with EL marking
- Adjustable output current between 1,200 and 1,750 mA
- Max. output power 80.5 W
- Up to 87 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- Terminal blocks: 45° push terminals

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Overtemperature protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)
- Suitable for emergency lighting systems acc. to EN 50172

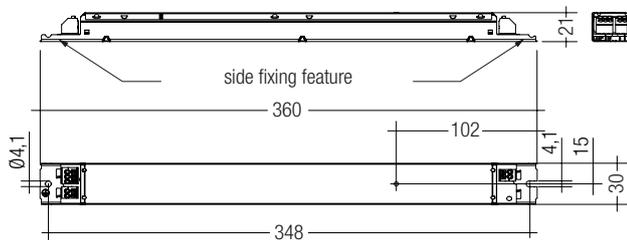
Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Max. input current (at 230 V, 50 Hz, full load)	0.46 A
Typ. input current (at 230 V, 0 Hz, full load)	0.395 A
Leakage current (at 230 V, 50 Hz, full load)	< 400 µA
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Max. input power	95 W
Typ. power consumption (at 230 V, 50 Hz, full load) ¹⁾	91.5 W
Min. output power	24 W
Max. output power	80.5 W
Typ. efficiency (at 230 V / 50 Hz / full load) ¹⁾	87 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ²⁾⁵⁾	± 7.5 %
Max. output current peak ³⁾	≤ output current + 20 %
Max. output voltage	60 V
THD (at 230 V, 50 Hz, full load)	< 8 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 500 ms
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	360 x 30 x 21 mm
Hole spacing D	348 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 81W 1200-1750mA flexC Ip ADV	87500502	50 pc(s).	650 pc(s).	1,950 pc(s).	0.242 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.	I-out select	Resistor ⁴⁾
LC 81W 1200-1750mA flexC Ip ADV	1,200 mA	20 V	54 V	64.8 W	74.0 W	330 mA	80 °C	-20 ... +50 °C	0-1	ADV Type A
	1,300 mA	20 V	54 V	70.2 W	80.0 W	360 mA	85 °C	-20 ... +50 °C	0-1	ADV Type D
	1,400 mA	20 V	54 V	75.6 W	85.0 W	380 mA	90 °C	-20 ... +50 °C	open	-
	1,550 mA	20 V	51 V	79.1 W	90.0 W	400 mA	90 °C	-20 ... +50 °C	0-2	ADV Type D
	1,750 mA	20 V	46 V	80.5 W	91.5 W	410 mA	90 °C	-20 ... +50 °C	0-2	ADV Type A

¹⁾ Test result at 1,750 mA.

²⁾ Output current is mean value.

³⁾ Test result at 25 °C.

⁴⁾ Type A is a short circuit plug (0 Ω).

⁵⁾ Test result at default output current.

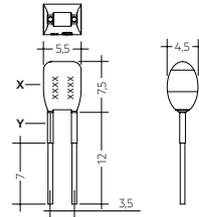
RoHS

ACCESSORIES

ADV Plug for output current select

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver serie LC flexC ADV; not compatible with I-select (generation 1) and I-select 2 (generation 2)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Hot plug of the resistor is not permitted
- For detailed current setting see table "Specific technical data" of the respective LED Driver and chapter 3.7 or 3.8 Current setting in data sheet



Ordering data

Type	Article number	Colour of X area	Colour of Y area	Marking	Resistor value	Packaging, bag	Weight per pc.
ADV Plug Type A YL	28001771	Yellow	Yellow	A	0.0 Ω	10 pc(s).	0.001 kg
ADV Plug Type D YL	28001774	Yellow	White	D	54.9 Ω	10 pc(s).	0.001 kg

**Driver LC 38W 250-350mA flexC Ip ADV**

ADVANCED series non-SELV

Product description

- Built-in constant current LED Driver
- New version DC operating with EL marking
- Adjustable output current between 250 and 350 mA
- Max. output power 38 W
- Up to 88.5 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

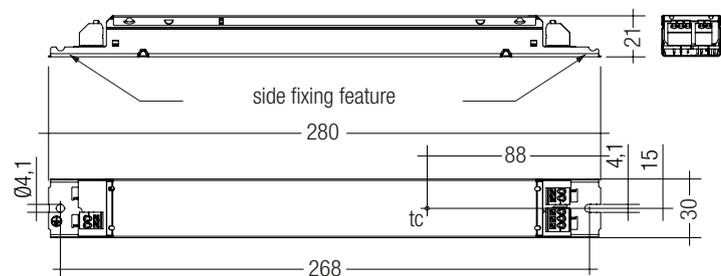
- Terminal blocks: 45° push terminals

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)
- Suitable for emergency lighting systems acc. to EN 50172

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com,
or available on request

**For standards see data sheet****Product / function matrix, [page 30](#)****Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Max. input current (at 230 V, 50 Hz, full load)	0.2 A
Typ. input current (at 230 V, 0 Hz, full load)	0.2 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Max. input power	43 W
Typ. power consumption (at 230 V, 50 Hz, full load)	42.5 W
Min. output power	12.8 W
Max. output power	38 W
Typ. efficiency (at 230 V / 50 Hz / full load) ¹⁾	88.5 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ²⁾	± 7.5 %
Max. output current peak ³⁾	± output current + 10 %
Max. output voltage	250 V
THD (at 230 V, 50 Hz, full load)	< 20 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 1000 ms
Switchover time (AC/DC)	< 500 ms
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	280 x 30 x 21 mm
Hole spacing D	268 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 38W 250-350mA flexC Ip ADV	87500496	50 pc(s).	900 pc(s).	2,700 pc(s).	0.167 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.	I-out select	Resistor ⁴⁾
LC 38W 250-350mA flexC Ip ADV	250 mA	51 V	109 V	27.3 W	30.4 W	137 mA	70 °C	-20 ... +55 °C	0-2	ADV Type A
	275 mA	51 V	109 V	30.0 W	33.4 W	149 mA	70 °C	-20 ... +50 °C	0-2	ADV Type B
	300 mA	51 V	109 V	32.7 W	36.5 W	163 mA	70 °C	-20 ... +50 °C	0-1	ADV Type A
	325 mA	51 V	109 V	35.4 W	39.9 W	178 mA	70 °C	-20 ... +50 °C	0-2	ADV Type C
	350 mA	51 V	109 V	38.2 W	42.5 W	189 mA	70 °C	-20 ... +50 °C	open	-

¹⁾ Test result at 350 mA.

²⁾ Output current is mean value.

³⁾ Test result at 25 °C.

⁴⁾ Type A is a short circuit plug (0 Ω).

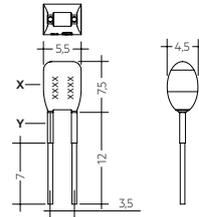
RoHS

ACCESSORIES

ADV Plug for output current select

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver serie LC flexC ADV; not compatible with I-select (generation 1) and I-select 2 (generation 2)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Hot plug of the resistor is not permitted
- For detailed current setting see table "Specific technical data" of the respective LED Driver and chapter 3.7 or 3.8 Current setting in data sheet



Ordering data

Type	Article number	Colour of X area	Colour of Y area	Marking	Resistor value	Packaging, bag	Weight per pc.
ADV Plug Type A YL	28001771	Yellow	Yellow	A	0.0 Ω	10 pc(s).	0.001 kg
ADV Plug Type B YL	28001772	Yellow	Black	B	3.16 Ω	10 pc(s).	0.001 kg
ADV Plug Type C YL	28001773	Yellow	Purple	C	28.7 Ω	10 pc(s).	0.001 kg

**Driver LC 38W 350-500mA flexC Ip ADV**

ADVANCED series non-SELV

Product description

- Built-in constant current LED Driver
- New version DC operating with EL marking
- Adjustable output current between 350 and 500 mA
- Max. output power 38 W
- Up to 88 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

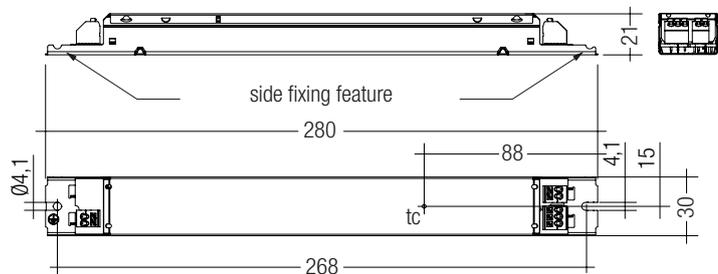
- Terminal blocks: 45° push terminals

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)
- Suitable for emergency lighting systems acc. to EN 50172

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com,
or available on request

**For standards see data sheet****Product / function matrix, [page 30](#)****Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Max. input current (at 230 V, 50 Hz, full load)	0.2 A
Typ. input current (at 230 V, 0 Hz, full load)	0.2 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Max. input power	42.5 W
Typ. power consumption (at 230 V, 50 Hz, full load)	42.2 W
Min. output power	12.3 W
Max. output power	38 W
Typ. efficiency (at 230 V / 50 Hz / full load) ¹⁾	88 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ²⁾	± 7.5 %
Max. output current peak ³⁾	± output current + 10 %
Max. output voltage	250 V
THD (at 230 V, 50 Hz, full load)	< 20 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	± 500 ms
Starting time (DC mode)	< 1000 ms
Switchover time (AC/DC)	< 500 ms
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	280 x 30 x 21 mm
Hole spacing D	268 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 38W 350-500mA flexC Ip ADV	87500497	50 pc(s).	900 pc(s).	2,700 pc(s).	0.167 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.	I-out select	Resistor ⁴⁾
LC 38W 350-500mA flexC Ip ADV	350 mA	35 V	75 V	26.3 W	30.4 W	136 mA	70 °C	-20 ... +55 °C	0-2	ADV Type A
	375 mA	35 V	75 V	28.1 W	32.9 W	147 mA	70 °C	-20 ... +50 °C	0-2	ADV Type B
	400 mA	35 V	75 V	30.0 W	34.0 W	152 mA	70 °C	-20 ... +50 °C	0-1	ADV Type A
	450 mA	35 V	75 V	33.8 W	39.4 W	175 mA	70 °C	-20 ... +50 °C	0-2	ADV Type C
	500 mA	35 V	75 V	37.5 W	42.3 W	187 mA	70 °C	-20 ... +50 °C	open	-

¹⁾ Test result at 500 mA.

²⁾ Output current is mean value.

³⁾ Test result at 25 °C.

⁴⁾ Type A is a short circuit plug (0 Ω).

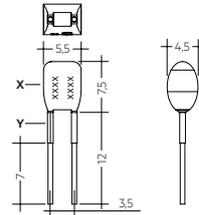
RoHS

ACCESSORIES

ADV Plug for output current select

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver serie LC flexC ADV; not compatible with I-select (generation 1) and I-select 2 (generation 2)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Hot plug of the resistor is not permitted
- For detailed current setting see table "Specific technical data" of the respective LED Driver and chapter 3.7 or 3.8 Current setting in data sheet



Ordering data

Type	Article number	Colour of X area	Colour of Y area	Marking	Resistor value	Packaging, bag	Weight per pc.
ADV Plug Type A YL	28001771	Yellow	Yellow	A	0.0 Ω	10 pc(s).	0.001 kg
ADV Plug Type B YL	28001772	Yellow	Black	B	3.16 Ω	10 pc(s).	0.001 kg
ADV Plug Type C YL	28001773	Yellow	Purple	C	28.7 Ω	10 pc(s).	0.001 kg

**Driver LC 53W 250-350mA flexC Ip ADV**

ADVANCED series non-SELV

Product description

- Built-in constant current LED Driver
- New version DC operating with EL marking
- Adjustable output current between 250 and 350 mA
- Max. output power 53 W
- Up to 90.5 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

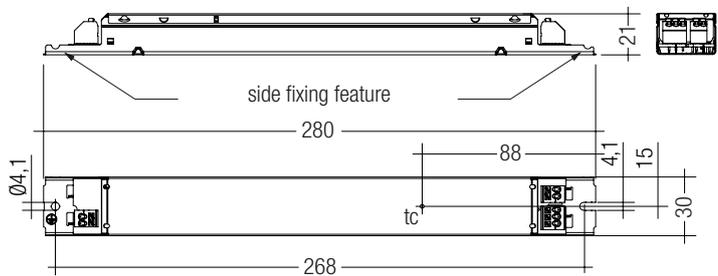
- Terminal blocks: 45° push terminals

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)
- Suitable for emergency lighting systems acc. to EN 50172

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com,
or available on request

**For standards see data sheet****Product / function matrix, [page 30](#)****Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Max. input current (at 230 V, 50 Hz, full load)	0.27 A
Min. input current (at 230 V, 0 Hz, full load)	0.27 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Max. input power	57.5 W
Typ. power consumption (at 230 V, 50 Hz, full load)	57.5 W
Min. output power	17.8 W
Max. output power	53 W
Typ. efficiency (at 230 V / 50 Hz / full load) ¹⁾	90.5 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ²⁾	± 7.5 %
Max. output current peak ³⁾	± output current + 10 %
Max. output voltage	250 V
THD (at 230 V, 50 Hz, full load)	< 20 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	± 500 ms
Starting time (DC mode)	< 1000 ms
Switchover time (AC/DC)	< 500 ms
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t _a (at life-time 50,000 h)	40 °C
Storage temperature t _s	-40 ... +80 °C
Dimensions L x W x H	280 x 30 x 21 mm
Hole spacing D	268 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 53W 250-350mA flexC Ip ADV	87500499	50 pc(s).	900 pc(s).	2,700 pc(s).	0.174 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.	I-out select	Resistor ⁴⁾
LC 53W 250-350mA flexC Ip ADV	250 mA	71 V	150 V	37.5 W	40.9 W	186 mA	70 °C	-20 ... +55 °C	0-2	ADV Type A
	275 mA	71 V	150 V	41.3 W	45.0 W	203 mA	70 °C	-20 ... +50 °C	0-2	ADV Type B
	300 mA	71 V	150 V	45.0 W	49.5 W	222 mA	70 °C	-20 ... +50 °C	0-1	ADV Type A
	325 mA	71 V	150 V	48.8 W	54.0 W	242 mA	70 °C	-20 ... +50 °C	0-2	ADV Type C
	350 mA	71 V	150 V	52.5 W	57.5 W	256 mA	70 °C	-20 ... +50 °C	open	-

¹⁾ Test result at 350 mA.

²⁾ Output current is mean value.

³⁾ Test result at 25 °C.

⁴⁾ Type A is a short circuit plug (0 Ω).

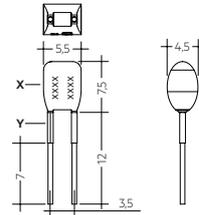
RoHS

ACCESSORIES

ADV Plug for output current select

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver serie LC flexC ADV; not compatible with I-select (generation 1) and I-select 2 (generation 2)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Hot plug of the resistor is not permitted
- For detailed current setting see table "Specific technical data" of the respective LED Driver and chapter 3.7 or 3.8 Current setting in data sheet



Ordering data

Type	Article number	Colour of X area	Colour of Y area	Marking	Resistor value	Packaging, bag	Weight per pc.
ADV Plug Type A YL	28001771	Yellow	Yellow	A	0.0 Ω	10 pc(s).	0.001 kg
ADV Plug Type B YL	28001772	Yellow	Black	B	3.16 Ω	10 pc(s).	0.001 kg
ADV Plug Type C YL	28001773	Yellow	Purple	C	28.7 Ω	10 pc(s).	0.001 kg



Driver LC 69W 350-500mA flexC Ip ADV

ADVANCED series non-SELV

Product description

- Built-in constant current LED Driver
- New version DC operating with EL marking
- Adjustable output current between 350 and 500 mA
- Max. output power 69 W
- Up to 91 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- Terminal blocks: 45° push terminals

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)
- Suitable for emergency lighting systems acc. to EN 50172

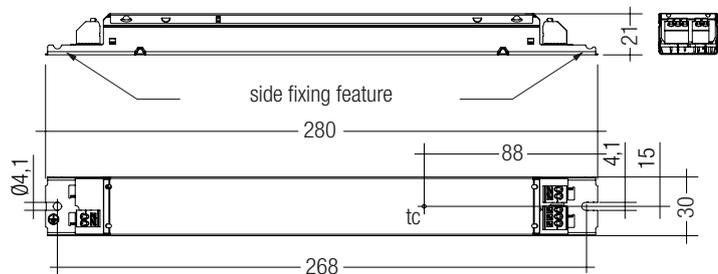
Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Max. input current (at 230 V, 50 Hz, full load)	0.36 A
Typ. input current (at 230 V, 0 Hz, full load)	0.36 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Max. input power	76.5 W
Typ. power consumption (at 230 V, 50 Hz, full load)	76.2 W
Min. output power	21 W
Max. output power	69 W
Typ. efficiency (at 230 V / 50 Hz / full load) ¹⁾	91 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ²⁾	± 7.5 %
Max. output current peak ³⁾	≤ output current + 10 %
Max. output voltage	250 V
THD (at 230 V, 50 Hz, full load)	< 20 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	≤ 500 ms
Starting time (DC mode)	< 1000 ms
Switchover time (AC/DC)	< 500 ms
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	280 x 30 x 21 mm
Hole spacing D	268 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 69W 350-500mA flexC Ip ADV	87500599	50 pc(s).	900 pc(s).	2,700 pc(s).	0.18 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.	I-out select	Resistor ⁴⁾
LC 69W 350-500mA flexC Ip ADV	350 mA	60 V	142 V	49.7 W	54.6 W	246 mA	75 °C	-20 ... +50 °C	0-2	ADV Type A
	375 mA	60 V	142 V	53.3 W	59.1 W	266 mA	75 °C	-20 ... +50 °C	0-2	ADV Type B
	400 mA	60 V	142 V	56.8 W	62.0 W	277 mA	75 °C	-20 ... +50 °C	0-1	ADV Type A
	450 mA	60 V	138 V	62.1 W	69.7 W	311 mA	75 °C	-20 ... +50 °C	0-2	ADV Type C
	500 mA	60 V	138 V	69.0 W	76.0 W	337 mA	75 °C	-20 ... +50 °C	open	-

¹⁾ Test result at 350 mA.²⁾ Output current is mean value.³⁾ Test result at 25 °C.⁴⁾ Type A is a short circuit plug (0 Ω).

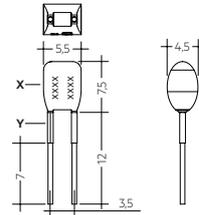
RoHS

ACCESSORIES

ADV Plug for output current select

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver serie LC flexC ADV; not compatible with I-select (generation 1) and I-select 2 (generation 2)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Hot plug of the resistor is not permitted
- For detailed current setting see table "Specific technical data" of the respective LED Driver and chapter 3.7 or 3.8 Current setting in data sheet



Ordering data

Type	Article number	Colour of X area	Colour of Y area	Marking	Resistor value	Packaging, bag	Weight per pc.
ADV Plug Type A YL	28001771	Yellow	Yellow	A	0.0 Ω	10 pc(s).	0.001 kg
ADV Plug Type B YL	28001772	Yellow	Black	B	3.16 Ω	10 pc(s).	0.001 kg
ADV Plug Type C YL	28001773	Yellow	Purple	C	28.7 Ω	10 pc(s).	0.001 kg

**Driver LC 71W 250-350mA flexC Ip ADV**

ADVANCED series non-SELV

Product description

- Built-in constant current LED Driver
- New version DC operating with EL marking
- Adjustable output current between 250 and 350 mA
- Max. output power 71 W
- Up to 91.5 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- Terminal blocks: 45° push terminals

Functions

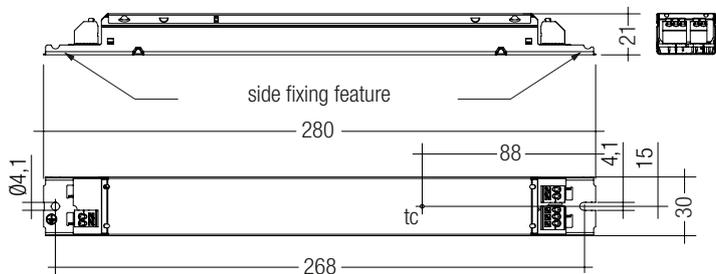
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)
- Suitable for emergency lighting systems acc. to EN 50172

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Max. input current (at 230 V, 50 Hz, full load)	0.36 A
Typ. input current (at 230 V, 0 Hz, full load)	0.36 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Max. input power	77.9 W
Typ. power consumption (at 230 V, 50 Hz, full load)	77.6 W
Min. output power	23.3 W
Max. output power	71 W
Typ. efficiency (at 230 V / 50 Hz / full load) ¹⁾	91.5 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ²⁾	± 7.5 %
Max. output current peak ³⁾	± output current + 10 %
Max. output voltage	250 V
THD (at 230 V, 50 Hz, full load)	< 20 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 1000 ms
Switchover time (AC/DC)	< 500 ms
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	280 x 30 x 21 mm
Hole spacing D	268 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 71W 250-350mA flexC Ip ADV	87500501	50 pc(s).	900 pc(s).	2,700 pc(s).	0.178 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.	I-out select	Resistor ⁴⁾
LC 71W 250-350mA flexC Ip ADV	250 mA	93 V	217 V	54.3 W	58.9 W	266 mA	70 °C	-20 ... +50 °C	0-2	ADV Type A
	275 mA	93 V	217 V	59.7 W	64.6 W	291 mA	70 °C	-20 ... +50 °C	0-2	ADV Type B
	300 mA	93 V	217 V	65.1 W	70.8 W	318 mA	70 °C	-20 ... +50 °C	0-1	ADV Type A
	325 mA	93 V	204 V	66.3 W	73.4 W	328 mA	70 °C	-20 ... +50 °C	0-2	ADV Type C
	350 mA	93 V	204 V	71.4 W	77.6 W	346 mA	70 °C	-20 ... +50 °C	open	-

¹⁾ Test result at 350 mA.

²⁾ Output current is mean value.

³⁾ Test result at 25 °C.

⁴⁾ Type A is a short circuit plug (0 Ω).

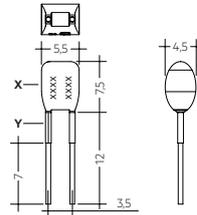
RoHS

ACCESSORIES

ADV Plug for output current select

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver serie LC flexC ADV; not compatible with I-select (generation 1) and I-select 2 (generation 2)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Hot plug of the resistor is not permitted
- For detailed current setting see table "Specific technical data" of the respective LED Driver and chapter 3.7 or 3.8 Current setting in data sheet



Ordering data

Type	Article number	Colour of X area	Colour of Y area	Marking	Resistor value	Packaging, bag	Weight per pc.
ADV Plug Type A YL	28001771	Yellow	Yellow	A	0.0 Ω	10 pc(s).	0.001 kg
ADV Plug Type B YL	28001772	Yellow	Black	B	3.16 Ω	10 pc(s).	0.001 kg
ADV Plug Type C YL	28001773	Yellow	Purple	C	28.7 Ω	10 pc(s).	0.001 kg



Driver LC 112W 250-350mA flexC Ip ADV

ADVANCED series non-SELV

Product description

- LED Constant current LED Driver for luminaire installation
- Output current adjustable between 250 – 350 mA
- Max. output power 112 W
- Up to 94 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- Terminal blocks: 45° push terminals

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

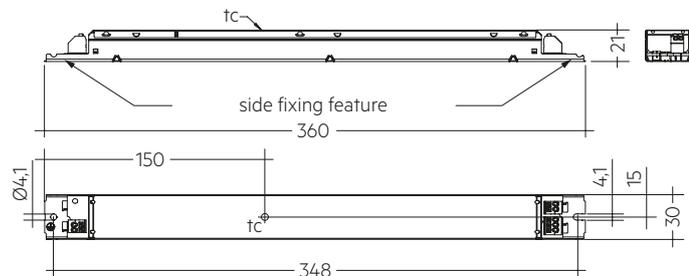
Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Max. input current (at 230 V, 50 Hz, full load)	0.57 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Max. input power	121 W
Typ. power consumption (at 230 V, 50 Hz, full load)	119 W
Min. output power	35 W
Max. output power	112 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	94 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ²⁾	± 7.5 %
Max. output current peak ³⁾	± output current + 10 %
Max. output voltage	330 V
THD (at 230 V, 50 Hz, full load)	< 20 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	360 x 30 x 21 mm
Hole spacing D	348 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 112W 250-350mA flexC Ip ADV	87500619	50 pc(s).	650 pc(s).	1,950 pc(s).	0.221 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-out select	Resistor ⁴⁾
LC 112W 250-350mA flexC Ip ADV	250 mA	143 V	320 V	80 W	85.0 W	380 mA	75 °C	-20 ... +50 °C	0-2	ADV Type A
LC 112W 250-350mA flexC Ip ADV	275 mA	143 V	320 V	88 W	93.5 W	420 mA	75 °C	-20 ... +50 °C	0-2	ADV Type B
LC 112W 250-350mA flexC Ip ADV	300 mA	143 V	320 V	96 W	103.0 W	470 mA	75 °C	-20 ... +50 °C	0-1	ADV Type A
LC 112W 250-350mA flexC Ip ADV	325 mA	143 V	320 V	104 W	111.0 W	500 mA	75 °C	-20 ... +50 °C	0-2	ADV Type C
LC 112W 250-350mA flexC Ip ADV	350 mA	143 V	320 V	112 W	119.0 W	540 mA	75 °C	-20 ... +50 °C	-	-

¹⁾ Test result at 350 mA.

²⁾ Output current is mean value.

³⁾ Test result at 25 °C.

⁴⁾ Type A is a short circuit plug (0 Ω).

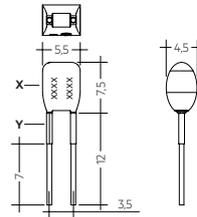
RoHS

ACCESSORIES

ADV Plug for output current select

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver serie LC flexC ADV; not compatible with I-select (generation 1) and I-select 2 (generation 2)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Hot plug of the resistor is not permitted
- For detailed current setting see table "Specific technical data" of the respective LED Driver and chapter 3.7 or 3.8 Current setting in data sheet



Ordering data

Type	Article number	Colour of X area	Colour of Y area	Marking	Resistor value	Packaging, bag	Weight per pc.
ADV Plug Type A YL	28001771	Yellow	Yellow	A	0.0 Ω	10 pc(s).	0.001 kg
ADV Plug Type B YL	28001772	Yellow	Black	B	3.16 Ω	10 pc(s).	0.001 kg
ADV Plug Type C YL	28001773	Yellow	Purple	C	28.7 Ω	10 pc(s).	0.001 kg



Driver LC 165W 400-700mA flexC Ip ADV

ADVANCED series non-SELV

Product description

- LED Constant current LED Driver for luminaire installation
- Output current adjustable between 400 – 700 mA
- Max. output power 165 W
- Up to 94 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- Terminal blocks: 45° push terminals

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

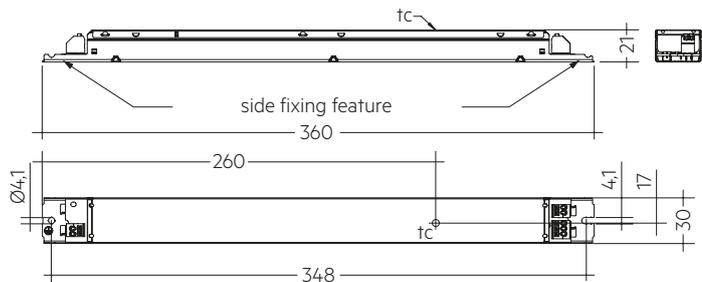
Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Max. input current (at 230 V, 50 Hz, full load)	0.8 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Max. input power	175.6 W
Typ. power consumption (at 230 V, 50 Hz, full load)	175.2 W
Min. output power	57.2 W
Max. output power	165 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	94 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ²⁾	± 7.5 %
Max. output current peak ³⁾	≤ output current + 10 %
Max. output voltage	330 V
THD (at 230 V, 50 Hz, full load)	< 20 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	360 x 30 x 21 mm
Hole spacing D	348 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 165W 400-700mA flexC Ip ADV	87500620	50 pc(s).	650 pc(s).	1,950 pc(s).	0.254 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-out select	Resistor ⁴⁾
LC 165W 400-700mA flexC Ip ADV	400 mA	143 V	320.0 V	128 W	134.5 W	599 mA	80 °C	-20 ... +50 °C	0-2	ADV Type A
LC 165W 400-700mA flexC Ip ADV	450 mA	143 V	320.0 V	144 W	152.8 W	679 mA	80 °C	-20 ... +50 °C	0-2	ADV Type B
LC 165W 400-700mA flexC Ip ADV	500 mA	143 V	320.0 V	160 W	168.7 W	748 mA	80 °C	-20 ... +50 °C	0-1	ADV Type A
LC 165W 400-700mA flexC Ip ADV	600 mA	143 V	275.0 V	165 W	174.5 W	772 mA	85 °C	-20 ... +50 °C	0-2	ADV Type C
LC 165W 400-700mA flexC Ip ADV	700 mA	143 V	235.7 V	165 W	175.2 W	775 mA	85 °C	-20 ... +50 °C	-	-

¹⁾ Test result at 700 mA.

²⁾ Output current is mean value.

³⁾ Test result at 25 °C.

⁴⁾ Type A is a short circuit plug (0 Ω).

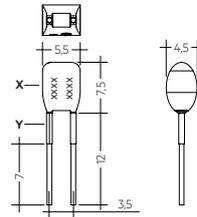
RoHS

ACCESSORIES

ADV Plug for output current select

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver serie LC flexC ADV; not compatible with I-select (generation 1) and I-select 2 (generation 2)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Hot plug of the resistor is not permitted
- For detailed current setting see table "Specific technical data" of the respective LED Driver and chapter 3.7 or 3.8 Current setting in data sheet



Ordering data

Type	Article number	Colour of X area	Colour of Y area	Marking	Resistor value	Packaging, bag	Weight per pc.
ADV Plug Type A YL	28001771	Yellow	Yellow	A	0.0 Ω	10 pc(s).	0.001 kg
ADV Plug Type B YL	28001772	Yellow	Black	B	3.16 Ω	10 pc(s).	0.001 kg
ADV Plug Type C YL	28001773	Yellow	Purple	C	28.7 Ω	10 pc(s).	0.001 kg

IP20 SELV 
 ENEC  CE  RoHS 



NEW

Driver LC 7W 250mA fixC Ip SNC2

ESSENCE series SELV

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 250 mA
- Max. output power 7.3 W
- Up to 79 % efficiency
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

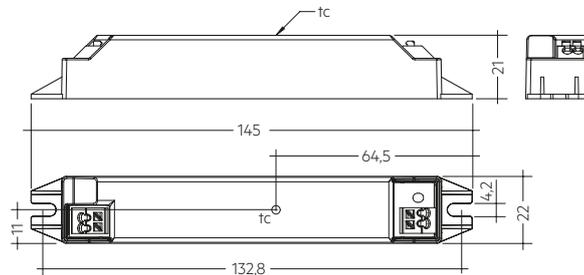
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
 or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.05 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Output power range	3.5 – 7.3 W
THD (at 230 V, 50 Hz, full load)	< 18 %
Output current tolerance ³⁾	± 7.5 %
Output LF current ripple (< 120 Hz) at full load	± 10 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	50 °C
Storage temperature t_s	-40 ... +80 °C
Mains burst capability	1 kV
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	3 kV
Dimensions L x W x H	145 x 22 x 21 mm
Hole spacing D	132.8 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 7/250/29 fixC Ip SNC2	87500805	25 pc(s).	1,250 pc(s).	8,750 pc(s).	0.043 kg

Specific technical data

Type	Output current ³⁾	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage (U-OUT)	Max. peak output current at full load ¹⁾²⁾	Max. casing temperature t_c
LC 7/250/29 fixC Ip SNC2	250 mA	9.6 W	9 W	0.9C	70 %	0.8C	70 %	14 V	29 V	42 V	293 mA	80 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

IP20 SELV 
 Ene CE RoHS



NEW

Driver LC 9W 300mA fixC Ip SNC2

ESSENCE series SELV

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 300 mA
- Max. output power 8.7 W
- Up to 80 % efficiency
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

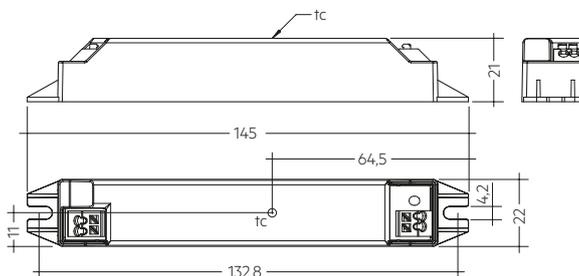
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
 or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.06 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Output power range	4.2 – 8.7 W
THD (at 230 V, 50 Hz, full load)	< 15 %
Output current tolerance ¹⁾	± 7.5 %
Output LF current ripple (< 120 Hz) at full load	± 10 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	50 °C
Storage temperature t_s	-40 ... +80 °C
Mains burst capability	1 kV
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	3 kV
Dimensions L x W x H	145 x 22 x 21 mm
Hole spacing D	132.8 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 9/300/29 fixC Ip SNC2	87500806	25 pc(s).	1,250 pc(s).	8,750 pc(s).	0.043 kg

Specific technical data

Type	Output current ²⁾	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage (U-OUT)	Max. peak output current at full load ¹⁾²⁾	Max. casing temperature t_c
LC 9/300/29 fixC Ip SNC2	300 mA	11.5 W	11 W	0.9C	80 %	0.8C	71 %	14 V	29 V	42 V	352 mA	85 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

IP20 SELV 
 ENEC  CE  RoHS 



NEW

Driver LC 10W 350mA fixC Ip SNC2

ESSENCE series SELV

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 350 mA
- Max. output power 10.2 W
- Up to 80 % efficiency
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

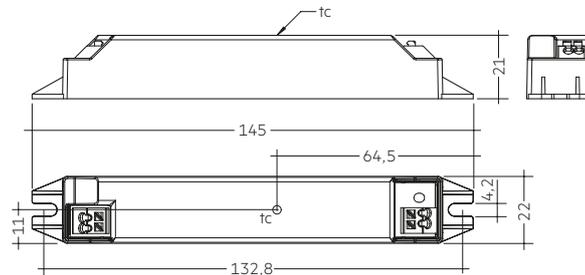
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
 or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.06 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Output power range	4.9 – 10.2 W
THD (at 230 V, 50 Hz, full load)	< 15 %
Output current tolerance ³⁾	± 7.5 %
Output LF current ripple (< 120 Hz) at full load	± 10 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	50 °C
Storage temperature t_s	-40 ... +80 °C
Mains burst capability	1 kV
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	3 kV
Dimensions L x W x H	145 x 22 x 21 mm
Hole spacing D	132.8 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 10/350/29 fixC Ip SNC2	87500778	25 pc(s).	1,250 pc(s).	8,750 pc(s).	0.043 kg

Specific technical data

Type	Output current ³⁾	Max input power	Typ. power consumption (at 230 V, 50 Hz, full load)	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage (U-OUT)	Max. peak output current at full load ¹⁾²⁾	Max. casing temperature t_c
LC 10/350/29 fixC Ip SNC2	350 mA	13 W	12.6 W	0.9C	80 %	0.8C	71 %	14 V	29 V	42 V	411 mA	90 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

IP20 SELV 
 ENEC      



NEW

Driver LC 14W 250mA fixC Ip SNC2

ESSENCE series SELV

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 250 mA
- Max. output power 13.5 W
- Up to 87 % efficiency
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: metal, white
- Type of protection IP20

Functions

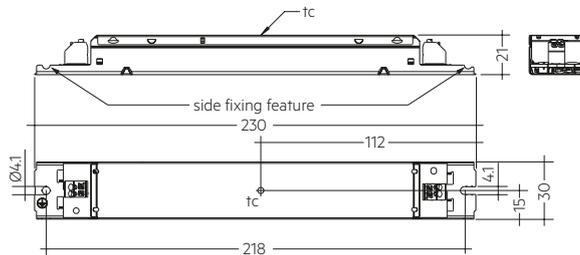
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
 or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.08 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Output power range	5.0 – 13.5 W
THD (at 230 V, 50 Hz, full load)	< 16 %
Output current tolerance ^{3) 4)}	± 7.5 %
Output LF current ripple (< 120 Hz) at full load	± 10 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	50 °C
Storage temperature t_s	-40 ... +80 °C
Mains burst capability	1 kV
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	3 kV
Dimensions L x W x H	230 x 30 x 21 mm
Hole spacing D	218 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 14/250/54 fixC Ip SNC2	87500807	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.118 kg

Specific technical data

Type	Output current ³⁾	Max input power	Typ. power consumption (at 230 V, 50 Hz, full load)	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage (U-OUT)	Max. peak output current at full load ^{1) 2)}	Max. casing temperature t_c
LC 14/250/54 fixC Ip SNC2	250 mA	17 W	15.5 W	0.9C	87 %	0.69C	82 %	20 V	54 V	60 V	294 mA	65 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

⁴⁾ Test result at 50 – 100 % of full load.

IP20 SELV     



NEW

Driver LC 16W 300mA fixC Ip SNC2

ESSENCE series SELV

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 300 mA
- Max. output power 16.2 W
- Up to 87 % efficiency
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: metal, white
- Type of protection IP20

Functions

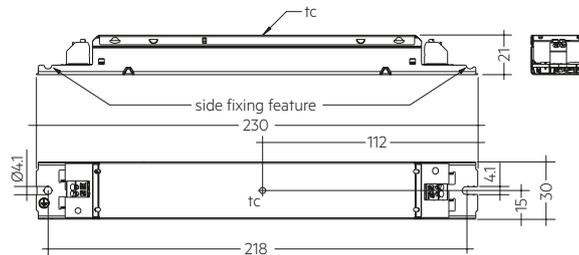
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.09 A
Mains frequency	50 / 60 Hz
Output power range	6.0 – 16.2 W
THD (at 230 V, 50 Hz, full load)	< 16 %
Output current tolerance ^{3) 4)}	± 7.5 %
Output LF current ripple (< 120 Hz) at full load	± 10 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	50 °C
Storage temperature t_s	-40 ... +80 °C
Mains burst capability	1 kV
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	3 kV
Dimensions L x W x H	230 x 30 x 21 mm
Hole spacing D	218 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 16/300/54 fixC Ip SNC2	87500808	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.118 kg

Specific technical data

Type	Output current ³⁾	Max input power	Typ. power consumption (at 230 V, 50 Hz, full load)	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage (U-OUT)	Max. peak output current at full load ¹⁾²⁾	Max. casing temperature t_c
LC 16/300/54 fixC Ip SNC2	300 mA	19 W	18 W	0.9C	87 %	0.74C	81 %	20 V	54 V	60 V	353 mA	65 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

⁴⁾ Test result at 50 – 100 % of full load.



NEW

Driver LC 19W 350mA fixC Ip SNC2

ESSENCE series SELV

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 350 mA
- Max. output power 18.9 W
- Up to 88 % efficiency
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: metal, white
- Type of protection IP20

Functions

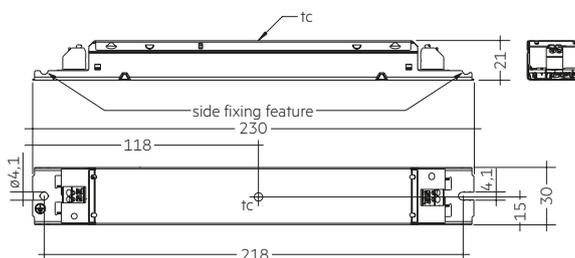
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.1 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Output power range	7.0 – 18.9 W
THD (at 230 V, 50 Hz, full load)	< 15 %
Output current tolerance ^{3) 4)}	± 7.5 %
Output LF current ripple (< 120 Hz) at full load	± 10 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	50 °C
Storage temperature t_s	-40 ... +80 °C
Mains burst capability	1 kV
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	3 kV
Dimensions L x W x H	230 x 30 x 21 mm
Hole spacing D	218 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 19/350/54 fixC Ip SNC2	87500779	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.118 kg

Specific technical data

Type	Output current ³⁾	Max input power	Typ. power consumption (at 230 V, 50 Hz, full load)	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage (U-OUT)	Max. peak output current at full load ^{1) 2)}	Max. casing temperature t_c
LC 19/350/54 fixC Ip SNC2	350 mA	22 W	21.5 W	0.9C	88 %	0.77C	83 %	20 V	54 V	60 V	411 mA	65 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

⁴⁾ Test result at 50 – 100 % of full load.

IP20 SELV 
 ENEC  CE  RoHS 



NEW

Driver LC 27W 500mA fixC Ip SNC2

ESSENCE series SELV

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 500 mA
- Max. output power 27 W
- Up to 89 % efficiency
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: metal, white
- Type of protection IP20

Functions

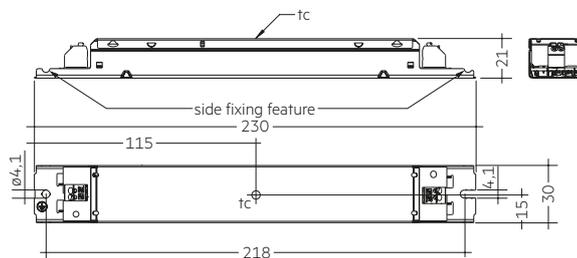
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
 or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0,14 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Output power range	10 – 27 W
THD (at 230 V, 50 Hz, full load)	< 16 %
Output current tolerance ³⁾	± 7,5 %
Output LF current ripple (< 120 Hz) at full load	± 10 %
Starting time (at 230 V, 50 Hz, full load)	± 0,5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0,5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	50 °C
Storage temperature t_s	-40 ... +80 °C
Mains burst capability	1 kV
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	3 kV
Dimensions L x W x H	230 x 30 x 21 mm
Hole spacing D	218 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 27/500/54 fixC Ip SNC2	87500780	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0,125 kg

Specific technical data

Type	Output current ³⁾	Max input power	Typ. power consumption (at 230 V, 50 Hz, full load)	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage (U-O-UT)	Max. peak output current at full load ¹⁾²⁾	Max. casing temperature t_c
LC 27/500/54 fixC Ip SNC2	500 mA	31 W	30 W	0,94C	89 %	0,79C	86 %	20 V	54 V	60 V	588 mA	70 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

IP20 SELV 
 Ene CE RoHS



NEW

Driver LC 32W 600mA fixC Ip SNC2

ESSENCE series SELV

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 600 mA
- Max. output power 32.4 W
- Up to 86 % efficiency
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: metal, white
- Type of protection IP20

Functions

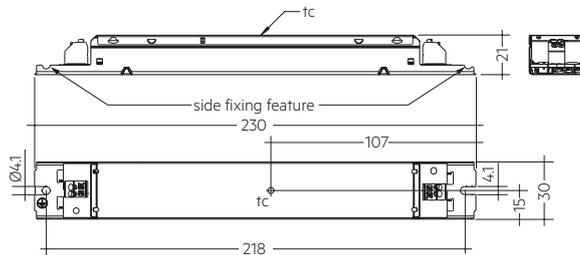
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
 or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.168 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Output power range	12.0 – 32.4 W
THD (at 230 V, 50 Hz, full load)	< 15 %
Output current tolerance ¹⁾	± 7.5 %
Output LF current ripple (< 120 Hz) at full load	± 10 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	50 °C
Storage temperature t_s	-40 ... +80 °C
Mains burst capability	1 kV
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	3 kV
Dimensions L x W x H	230 x 30 x 21 mm
Hole spacing D	218 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 32/600/54 fixC Ip SNC2	87500809	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.142 kg

Specific technical data

Type	Output current ²⁾	Max input power	Typ. power consumption (at 230 V, 50 Hz, full load)	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage (U-OUT)	Max. peak output current at full load ¹⁾²⁾	Max. casing temperature t_c
LC 32/600/54 fixC Ip SNC2	600 mA	38 W	37 W	0.95	86 %	0.83C	80 %	20 V	54 V	60 V	705 mA	75 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

IP20 SELV       



NEW

Driver LC 38W 700mA fixC Ip SNC2

ESSENCE series SELV

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 700 mA
- Max. output power 37.8 W
- Up to 86 % efficiency
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: metal, white
- Type of protection IP20

Functions

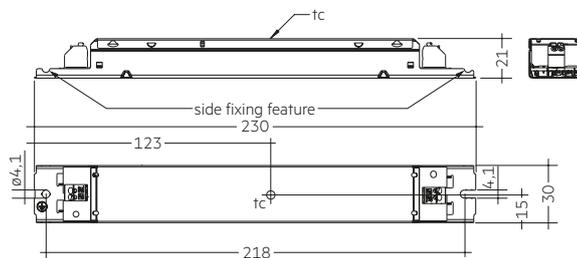
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.19 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Output power range	14.0 – 37.8 W
THD (at 230 V, 50 Hz, full load)	< 15 %
Output current tolerance ³⁾	± 7.5 %
Output LF current ripple (< 120 Hz) at full load	± 10 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	50 °C
Storage temperature t_s	-40 ... +80 °C
Mains burst capability	1 kV
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	3 kV
Dimensions L x W x H	230 x 30 x 21 mm
Hole spacing D	218 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 38/700/54 fixC Ip SNC2	87500781	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.142 kg

Specific technical data

Type	Output current ³⁾	Max input power	Typ. power consumption (at 230 V, 50 Hz, full load)	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage (U-OUT)	Max. peak output current at full load ¹⁾²⁾	Max. casing temperature t_c
LC 38/700/54 fixC Ip SNC2	700 mA	44 W	43 W	0.95	86 %	0.85C	79 %	20 V	54 V	60 V	823 mA	75 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

IP20 SELV 
 Ene CE RoHS



NEW

Driver LC 43W 800mA fixC Ip SNC2

ESSENCE series SELV

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 800 mA
- Max. output power 43.2 W
- Up to 86 % efficiency
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: metal, white
- Type of protection IP20

Functions

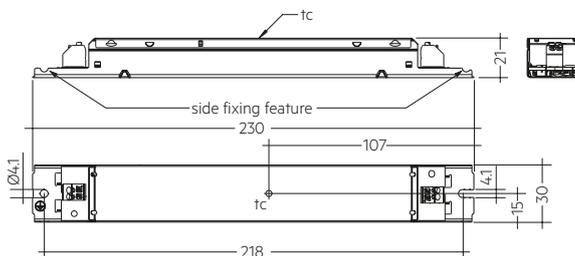
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
 or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.22 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Output power range	16.0 – 43.2W
THD (at 230 V, 50 Hz, full load)	< 15 %
Output current tolerance ¹⁾	± 7.5 %
Output LF current ripple (< 120 Hz) at full load	± 10 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	50 °C
Storage temperature t_s	-40 ... +80 °C
Mains burst capability	1 kV
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	3 kV
Dimensions L x W x H	230 x 30 x 21 mm
Hole spacing D	218 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 43/800/54 fixC Ip SNC2	87500810	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.142 kg

Specific technical data

Type	Output current ²⁾	Max input power	Typ. power consumption (at 230 V, 50 Hz, full load)	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage (U-OUT)	Max. peak output current at full load ¹⁾²⁾	Max. casing temperature t_c
LC 43/800/54 fixC Ip SNC2	800 mA	49 W	48 W	0.95	86 %	0.85C	79 %	20 V	54 V	60 V	940 mA	85 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

IP20 SELV 
 ENEC  CE  RoHS 



NEW

Driver LC 49W 900mA fixC Ip SNC2

ESSENCE series SELV

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 900 mA
- Max. output power 48.6 W
- Up to 88 % efficiency
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: metal, white
- Type of protection IP20

Functions

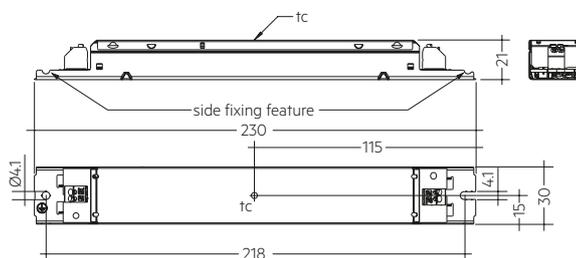
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
 or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.25 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Output power range	18.0 – 48.6W
THD (at 230 V, 50 Hz, full load)	< 15 %
Output current tolerance ³⁾	± 7.5 %
Output LF current ripple (< 120 Hz) at full load	± 10 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	50 °C
Storage temperature t_s	-40 ... +80 °C
Mains burst capability	1 kV
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	3 kV
Dimensions L x W x H	230 x 30 x 21 mm
Hole spacing D	218 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 49/900/54 fixC Ip SNC2	87500811	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.156 kg

Specific technical data

Type	Output current ³⁾	Max input power	Typ. power consumption (at 230 V, 50 Hz, full load)	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage (U-O-UT)	Max. peak output current at full load ¹⁾²⁾	Max. casing temperature t_c
LC 49/900/54 fixC Ip SNC2	900 mA	56 W	55 W	0.95	88 %	0.85C	82 %	20 V	54 V	60 V	1,058 mA	80 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

IP20 SELV   
 ENEC    



NEW

Driver LC 57W 1050mA fixC Ip SNC2

ESSENCE series SELV

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 1,050 mA
- Max. output power 56.7 W
- Up to 88 % efficiency
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: metal, white
- Type of protection IP20

Functions

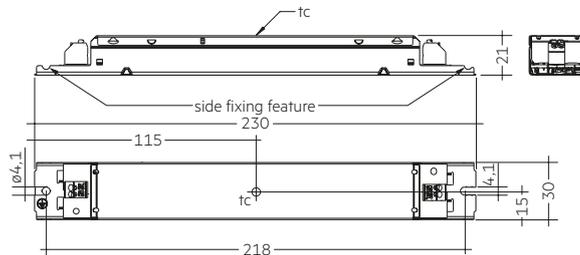
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
 or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.29 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Output power range	21.0 – 56.7 W
THD (at 230 V, 50 Hz, full load)	< 15 %
Output current tolerance ¹⁾	± 7.5 %
Output LF current ripple (< 120 Hz) at full load	± 10 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	50 °C
Storage temperature t_s	-40 ... +80 °C
Mains burst capability	1 kV
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	3 kV
Dimensions L x W x H	230 x 30 x 21 mm
Hole spacing D	218 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 57/1050/54 fixC Ip SNC2	87500782	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.156 kg

Specific technical data

Type	Output current ²⁾	Max input power	Typ. power consumption (at 230 V, 50 Hz, full load)	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage (U-OUT)	Max. peak output current at full load ¹⁾²⁾	Max. casing temperature t_c
LC 57/1050/54 fixC Ip SNC2	1,050 mA	66 W	65 W	0.95	88 %	0.9C	82 %	20 V	54 V	60 V	1,234 mA	85 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

IP20 SELV     



NEW

Driver LC 65W 1200mA fixC Ip SNC2

ESSENCE series SELV

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 1,200 mA
- Max. output power 64.8 W
- Up to 90.5 % efficiency
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: metal, white
- Type of protection IP20

Functions

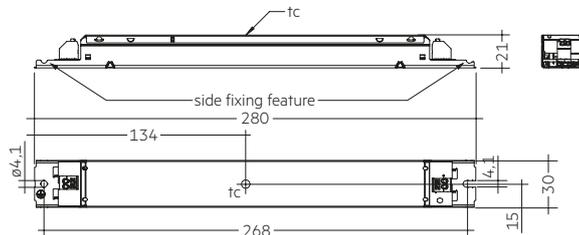
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.32 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Output power range	24.0 – 64.8 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Output LF current ripple (< 120 Hz) at full load	± 10 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	50 °C
Storage temperature t_s	-40 ... +80 °C
Mains burst capability	1 kV
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	3 kV
Dimensions L x W x H	280 x 30 x 21 mm
Hole spacing D	268 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 65/1200/54 fixC Ip SNC2	87500812	50 pc(s).	900 pc(s).	2,700 pc(s).	0.203 kg

Specific technical data

Type	Output current ³⁾	Max input power	Typ. power consumption (at 230 V, 50 Hz, full load)	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage (U-OUT)	Max. peak output current at full load ¹⁾²⁾	Max. casing temperature t_c
LC 65/1200/54 fixC Ip SNC2	1,200 mA	72 W	71 W	0.95	90.5 %	0.88C	85 %	20 V	54 V	60 V	1,419 mA	75 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

IP20 SELV 
 ENEC  RoHS



NEW

Driver LC 75W 1400mA fixC Ip SNC2

ESSENCE series SELV

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 1,400 mA
- Max. output power 75.6 W
- Up to 90 % efficiency
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: metal, white
- Type of protection IP20

Functions

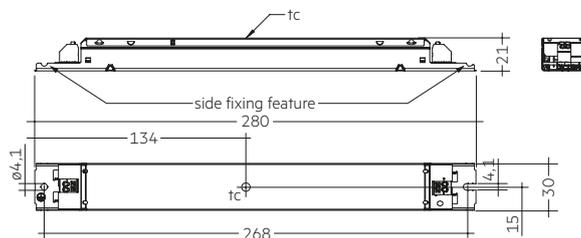
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
 or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.37 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Output power range	28.0 – 75.6 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ¹⁾	± 7.5 %
Output LF current ripple (< 120 Hz) at full load	± 10 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	50 °C
Storage temperature t_s	-40 ... +80 °C
Mains burst capability	1 kV
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	3 kV
Dimensions L x W x H	280 x 30 x 21 mm
Hole spacing D	268 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 75/1400/54 fixC Ip SNC2	87500783	50 pc(s).	900 pc(s).	2,700 pc(s).	0.203 kg

Specific technical data

Type	Output current ³⁾	Max input power	Typ. power consumption (at 230 V, 50 Hz, full load)	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage (U-OUT)	Max. peak output current at full load ¹⁾²⁾	Max. casing temperature t_c
LC 75/1400/54 fixC Ip SNC2	1,400 mA	84 W	83 W	0.95	90 %	0.9C	85 %	20 V	54 V	60 V	1,656 mA	80 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.



Driver LC 10W 350mA fixC Ip SNC

ESSENCE series SELV

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 350 mA
- Max. output power 10 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

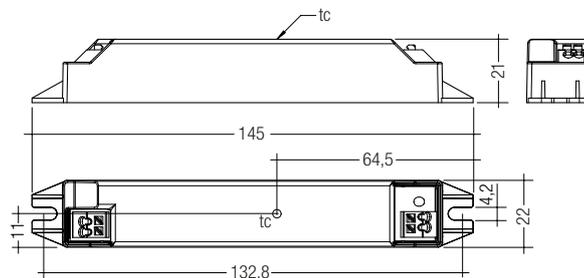
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.06 A
Mains frequency	50 / 60 Hz
Output power range	7 – 10 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	145 x 22 x 21 mm
Hole spacing D	132.8 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 10W 350mA fixC Ip SNC	87500606	25 pc(s).	1,150 pc(s).	8,050 pc(s).	0.047 kg

Specific technical data

Type	Output current ³⁾	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage	Max. peak output current at full load ¹⁾²⁾	Max. peak output current at min. load ¹⁾²⁾	Max. casing temperature t_c
LC 10W 350mA fixC Ip SNC	350 mA	12.5 W	12 W	0.9C	84.5 %	0.85C	81 %	17 V	28.6 V	42 V	450 mA	500 mA	85 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.



Driver LC 25W 250/300/350/500mA fixC Ip SNC
ESSENCE series non-SELV

Product description

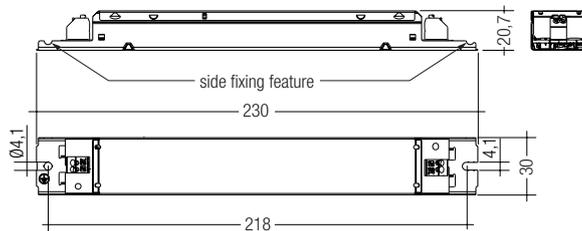
- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 250, 300, 350 or 500 mA
- Max. output power 25 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: metal, white
- Type of protection IP20

Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - Burst protection voltage 1 kV
 - Surge protection voltage 1 kV (L to N)
 - Surge protection voltage 2 kV (L/N to earth)
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.13 A
Mains frequency	50 / 60 Hz
Output power range	15 – 25 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature <i>t</i> _a	-20 ... +50 °C
Ambient temperature <i>t</i> _a (at life-time 50,000 h)	40 °C
Storage temperature <i>t</i> _s	-40 ... +85 °C
Dimensions L x W x H	230 x 30 x 21 mm
Hole spacing D	218 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 25W 250mA fixC Ip SNC	87500440	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.126 kg
LC 25W 300mA fixC Ip SNC	87500439	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.126 kg
LC 25W 350mA fixC Ip SNC	87500438	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.126 kg
LC 25W 500mA fixC Ip SNC	87500464	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.126 kg

Specific technical data

Type	Output current ³⁾	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage	Max. peak output current at full load ¹⁾²⁾	Max. peak output current at min. load ¹⁾²⁾	Max. casing temperature <i>t</i> _c
LC 25W 250mA fixC Ip SNC	250 mA	0.95	89 %	0.9	88 %	60 V	100.0 V	120 V	330 mA	350 mA	65 °C
LC 25W 300mA fixC Ip SNC	300 mA	0.95	90 %	0.9	88 %	50 V	83.5 V	95 V	370 mA	400 mA	65 °C
LC 25W 350mA fixC Ip SNC	350 mA	0.95	90 %	0.9	88 %	43 V	71.5 V	90 V	430 mA	475 mA	65 °C
LC 25W 500mA fixC Ip SNC	500 mA	0.95	89 %	0.9	86 %	30 V	50.0 V	60 V	620 mA	680 mA	65 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.



Driver LC 35W 250/300/350/700mA fixC Ip SNC

ESSENCE series non-SELV

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 250, 300, 350 or 700 mA
- Max. output power 35 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: metal, white
- Type of protection IP20

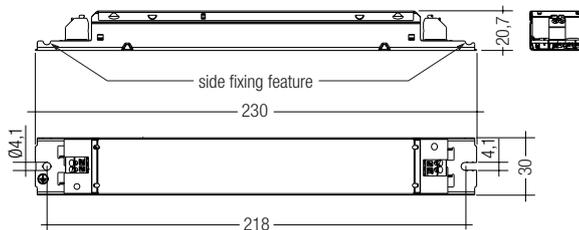
Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - Burst protection voltage 1 kV
 - Surge protection voltage 1 kV (L to N)
 - Surge protection voltage 2 kV (L/N to earth)
- For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.185 A
Mains frequency	50 / 60 Hz
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Output power range	21 – 35 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +85 °C
Dimensions L x W x H	230 x 30 x 21 mm
Hole spacing D	218 mm

Ordering data

Type	Article number ⁴⁾	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 35W 250mA fixC Ip SNC	87500441	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.141 kg
LC 35W 300mA fixC Ip SNC	87500465	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.143 kg
LC 35W 350mA fixC Ip SNC	87500442	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.140 kg
LC 35W 700mA fixC Ip SNC	87500443	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.141 kg

Specific technical data

Type	Output current ³⁾	Input power (at 230 V, 50 Hz, full load)	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage	Max. peak output current at full load ¹⁾²⁾	Max. peak output current at min. load ¹⁾²⁾	Max. casing temperature t_c
LC 35W 250mA fixC Ip SNC	250 mA	38 W	0.95	93 %	0.9	92.0 %	84 V	14.0 V	170 V	300 mA	320 mA	70 °C
LC 35W 300mA fixC Ip SNC	300 mA	38 W	0.95	92 %	0.9	91.5 %	70 V	11.65 V	140 V	360 mA	380 mA	70 °C
LC 35W 350mA fixC Ip SNC	350 mA	38 W	0.95	92 %	0.9	91.0 %	60 V	10.0 V	120 V	430 mA	460 mA	70 °C
LC 35W 700mA fixC Ip SNC	700 mA	39 W	0.95	90 %	0.9	89.0 %	30 V	5.0 V	60 V	900 mA	940 mA	75 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

⁴⁾ KC approval mark for art. no.: 87500441.



Driver LC 50W 250/300/350/700/1050mA fixC Ip SNC
ESSENCE series non-SELV

Product description

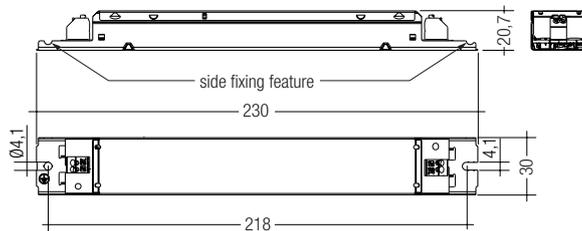
- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 250, 300, 350, 700 or 1,050 mA
- Max. output power 50 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: metal, white
- Type of protection IP20

Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - Burst protection voltage 1 kV
 - Surge protection voltage 1 kV (L to N)
 - Surge protection voltage 2 kV (L/N to earth)
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Output power range	30 – 50 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	230 x 30 x 21 mm
Hole spacing D	218 mm

Ordering data

Type	Article number ⁴⁾	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 50W 250mA fixC Ip SNC	87500444	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.144 kg
LC 50W 300mA fixC Ip SNC	87500446	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.142 kg
LC 50W 350mA fixC Ip SNC	87500445	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.142 kg
LC 50W 700mA fixC Ip SNC	87500447	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.145 kg
LC 50W 1050mA fixC Ip SNC	87500466	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.143 kg

Specific technical data

Type	Output current ³⁾ (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	Input power (at 230 V, 50 Hz, full load)	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage	Max. peak output current at full load ¹⁾²⁾	Max. peak output current at min. load ¹⁾²⁾	Max. casing temperature tc
LC 50W 250mA fixC Ip SNC	250 mA	0.242 A	55 W	0.95	92 %	0.9	91.5 %	120.0 V	200.0 V	240 V	300 mA	320 mA	75 °C
LC 50W 300mA fixC Ip SNC	300 mA	0.242 A	55 W	0.95	92 %	0.9	91.5 %	100.0 V	167.0 V	195 V	360 mA	380 mA	75 °C
LC 50W 350mA fixC Ip SNC	350 mA	0.242 A	55 W	0.95	92 %	0.9	91.5 %	86.0 V	143.0 V	180 V	430 mA	460 mA	75 °C
LC 50W 700mA fixC Ip SNC	700 mA	0.242 A	55 W	0.95	91 %	0.9	90.0 %	43.0 V	71.5 V	90 V	900 mA	940 mA	75 °C
LC 50W 1050mA fixC Ip SNC	1,050 mA	0.253 A	56 W	0.95	89 %	0.9	88.0 %	28.5 V	47.5 V	60 V	1,320 mA	1,460 mA	80 °C

¹⁾ Test result at 230 V, 50 Hz.
²⁾ The trend between min. and full load is linear.
³⁾ Output current is mean value.
⁴⁾ KC approval mark for art. no.: 87500466.

**Driver LC 65W 300mA fixC Ip SNC**

ESSENCE series non-SELV

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 300 mA
- Max. output power 65 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

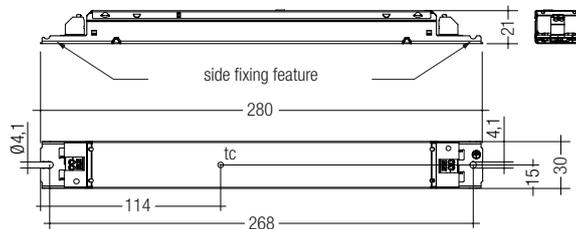
- Casing: metal, white
- Type of protection IP20

Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - Burst protection voltage 1 kV
 - Surge protection voltage 1 kV (L to N)
 - Surge protection voltage 2 kV (L/N to earth)
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.315 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Output power range	39 – 65 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 20 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	50 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	280 x 30 x 21 mm
Hole spacing D	268 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 65W 300mA fixC Ip SNC	87500704	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.18 kg

Specific technical data

Type	Output current ³⁾	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Power factor at full load ¹⁾	Efficiency at fullload ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage	Max. peak output current at full load ¹⁾²⁾	Max. peak output current at min. load ¹⁾²⁾	Max. casing temperature t_c
LC 65W 300mA fixC Ip SNC	300 mA	71.5 W	71 W	0.95	93 %	0.9C	92.5 %	130 V	218 V	420 V	360 mA	390 mA	75 °C

¹⁾ Test result at 230 V, 50 Hz.²⁾ The trend between min. and full load is linear.³⁾ Output current is mean value.



Driver LC 65W 700/1050/1400/1750mA fixC Ip SNC
ESSENCE series non-SELV

Product description

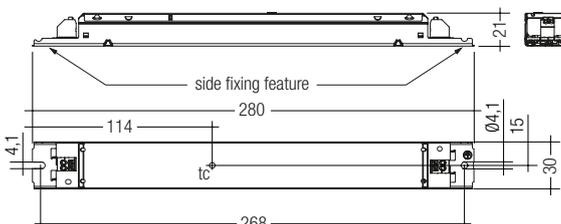
- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 700, 1,050, 1,400 or 1,750 mA
- Max. output power 65 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: metal, white
- Type of protection IP20

Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - Burst protection voltage 1 kV
 - Surge protection voltage 1 kV (L to N)
 - Surge protection voltage 2 kV (L/N to earth)
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.33 A
Mains frequency	50 / 60 Hz
Input power (at 230 V, 50 Hz, full load)	72 W
Output power range	39 – 65 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Max. casing temperature tc	85 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	280 x 30 x 21 mm
Hole spacing D	268 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 65W 700mA Ip SNC	87500467	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.182 kg
LC 65W 1050mA Ip SNC	87500468	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.177 kg
LC 65W 1400mA Ip SNC	87500469	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.183 kg
LC 65W 1750mA Ip SNC	87500470	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.182 kg

Specific technical data

Type	Output current ³⁾	Typ. power consumption (at 230 V, 50 Hz, full load)	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage	Max. peak output current at full load ¹⁾²⁾	Max. peak output current at min. load ¹⁾²⁾
LC 65W 700mA Ip SNC	700 mA	69.5 W	0.95	90 %	0.91C	88 %	56 V	93 V	300 V	979 mA	1,130 mA
LC 65W 1050mA Ip SNC	1,050 mA	71.0 W	0.95	90 %	0.91C	88 %	37 V	62 V	300 V	1,468 mA	1,700 mA
LC 65W 1400mA Ip SNC	1,400 mA	71.0 W	0.95	90 %	0.90C	86 %	28 V	46 V	300 V	1,957 mA	2,260 mA
LC 65W 1750mA Ip SNC	1,750 mA	71.5 W	0.95	90 %	0.90C	86 %	22 V	37 V	300 V	2,446 mA	2,820 mA

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

**Driver LC 75W 350mA fixC Ip SNC**

ESSENCE series non-SELV

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 350 mA
- Max. output power 76 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

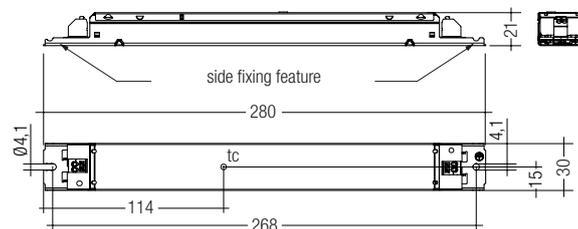
- Casing: metal, white
- Type of protection IP20

Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - Burst protection voltage 1 kV
 - Surge protection voltage 1 kV (L to N)
 - Surge protection voltage 2 kV (L/N to earth)
- For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.37 A
Mains frequency	50 / 60 Hz
Output power range	45.5 – 76.0 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	280 x 30 x 21 mm
Hole spacing D	268 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 75W 350mA fixC Ip SNC	87500607	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.18 kg

Specific technical data

Type	Output current ³⁾	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage	Max. peak output current at full load ^{1,2)}	Max. peak output current at min. load ^{1,2)}	Max. casing temperature t_c
LC 80W 1050mA Ip SNC	350 mA	83.5 W	83 W	0.95	92.5 %	0.9C	92 %	130 V	218 V	420 V	450 mA	490 mA	85 °C

¹⁾ Test result at 230 V, 50 Hz.²⁾ The trend between min. and full load is linear.³⁾ Output current is mean value.

IP20 



Driver LC 80W 1050/1400/1750mA fixC Ip SNC

ESSENCE series non-SELV

Product description

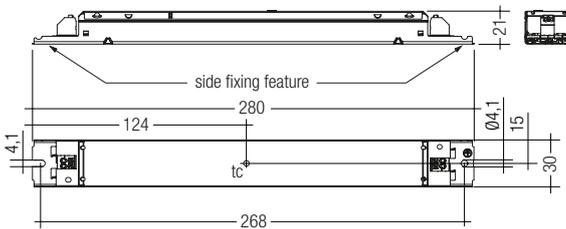
- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 1,050, 1,400 or 1,750 mA
- Max. output power 80 W
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: metal, white
- Type of protection IP20

Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - Burst protection voltage 1 kV
 - Surge protection voltage 1 kV (L to N)
 - Surge protection voltage 2 kV (L/N to earth)
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.39 A
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Leakage current (at 230 V, 50 Hz, full load)	< 0.7 mA
Max. input power	88 W
Output power range	48 – 80 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance ³⁾	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	280 x 30 x 21 mm
Hole spacing D	268 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 80W 1050mA Ip SNC	87500471	50 pc(s).	900 pc(s).	2,700 pc(s).	0.198 kg
LC 80W 1400mA Ip SNC	87500472	50 pc(s).	900 pc(s).	2,700 pc(s).	0.200 kg
LC 80W 1750mA Ip SNC	87500473	50 pc(s).	900 pc(s).	2,700 pc(s).	0.203 kg

Specific technical data

Type	Output current ³⁾	Typ. power consumption (at 230 V, 50 Hz, full load)	Power factor at full load ¹⁾	Efficiency at full load ¹⁾	Power factor at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage	Max. peak output current at full load ¹⁾²⁾	Max. peak output current at min. load ¹⁾²⁾	Max. casing temperature tc
LC 80W 1050mA Ip SNC	1,050 mA	84.5 W	0.95	92 %	0.9C	90 %	46 V	76 V	300 V	1,468 mA	1,600 mA	75 °C
LC 80W 1400mA Ip SNC	1,400 mA	87.0 W	0.95	91 %	0.9C	89 %	34 V	57 V	300 V	1,957 mA	2,100 mA	80 °C
LC 80W 1750mA Ip SNC	1,750 mA	87.0 W	0.95	90 %	0.9C	88 %	27 V	46 V	300 V	2,446 mA	2,650 mA	85 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.



Driver LCA 10W 150–400mA one4all C PRE
PREMIUM series

Product description

- Dimmable built-in constant current LED Driver
- Adjustable output current between 150 and 400 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 10 W
- Up to 82 % efficiency
- Power input on stand-by < 0.2 W
- Dimming range 1–100 %
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 45° push terminals

Functions

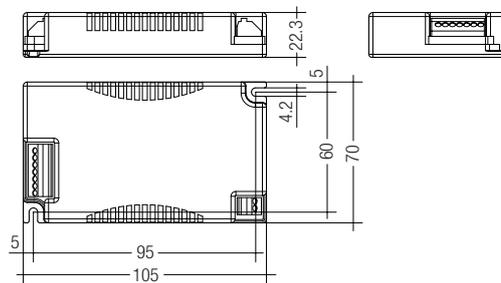
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For spot light and downlight in retail and hospitality applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	35 – 60 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	10 – 20 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 700 µA
Max. input power	13 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	82 %
λ (at 230 V, 50 Hz, full load)	0.96
Typ. power input on stand-by ³⁾	< 0.2 W
Typ. input current in no-load operation	10.5 mA
Typ. input power in no-load operation	0.5 W
In-rush current (peak / duration)	15 A / 243 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 7 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.7 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	105 x 70 x 22 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 10W 150-400mA one4all C PRE	28000663	10 pc(s).	1,120 pc(s).	0.128 kg

Specific technical data

Type	Output current ¹⁾⁵⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	I-select 2 resistor value ⁶⁾
LCA 10W 150-400mA one4all C PRE	150 mA	15 V	40 V	6 W	8.4 W	40 mA	85 °C	-25 ... +65 °C	open
	200 mA	15 V	40 V	8 W	10.4 W	48 mA	85 °C	-25 ... +65 °C	25.00 kΩ
	250 mA	15 V	40 V	10 W	12.6 W	57 mA	85 °C	-25 ... +65 °C	20.00 kΩ
	300 mA	15 V	33 V	10 W	12.2 W	55 mA	85 °C	-25 ... +65 °C	16.67 kΩ
	350 mA	15 V	29 V	10 W	12.4 W	56 mA	80 °C	-25 ... +65 °C	14.29 kΩ
	400 mA	15 V	25 V	10 W	12.1 W	55 mA	80 °C	-25 ... +65 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

RoHS

ACCES-
SORIES

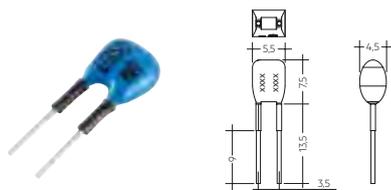
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 150MA BL	28001102	Blue	0150 mA	150 mA	33.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 200MA BL	28001104	Blue	0200 mA	200 mA	25.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LCA 10W 150–400mA one4all SC PRE
PREMIUM series

Product description

- Dimmable built-in constant current LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Adjustable output current between 150 and 400 mA via ready2mains™ Programmer, I-select 2 plugs or DALI
- Max. output power 10 W
- Up to 82 % efficiency
- Power input on stand-by < 0.2 W
- Dimming range 1 – 100 %
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains™ (configuration and dimming via mains)
- Terminal blocks: 45° push terminals

Functions

- Adjustable output current (DALI, ready2mains™, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains™
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

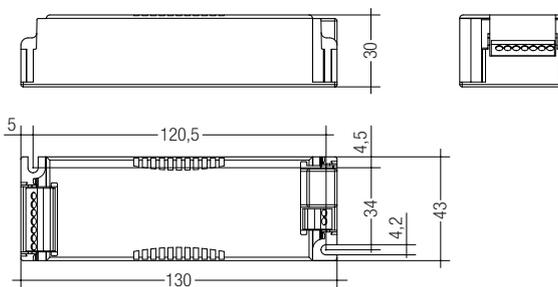
- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains™ and I-select 2

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



With strain-relief



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	35 – 60 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	10 – 20 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 700 µA
Max. input power	13 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	82 %
λ (at 230 V, 50 Hz, full load)	0.96
Typ. power input on stand-by ³⁾	< 0.2 W
Typ. input current in no-load operation	12.5 mA
Typ. input power in no-load operation	0.36 W
In-rush current (peak / duration)	16 A / 255 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 8 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.7 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	130 x 43 x 30 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 10W 150-400mA one4all SC PRE	28000673	10 pc(s).	1,000 pc(s).	0.125 kg

Specific technical data

Type	Output current ^{1) 2)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature t _c	Ambient temperature t _a	I-select 2 resistor value ³⁾
LCA 10W 150-400mA one4all SC PRE	150 mA	15 V	40 V	6 W	8.1 W	37 mA	80 °C	-25 ... +65 °C	open
	200 mA	15 V	40 V	8 W	10.2 W	46 mA	80 °C	-25 ... +65 °C	25.00 kΩ
	250 mA	15 V	40 V	10 W	12.2 W	54 mA	80 °C	-25 ... +65 °C	20.00 kΩ
	300 mA	15 V	33 V	10 W	12.1 W	54 mA	80 °C	-25 ... +65 °C	16.67 kΩ
	350 mA	15 V	29 V	10 W	11.9 W	53 mA	80 °C	-25 ... +65 °C	14.29 kΩ
	400 mA	15 V	25 V	10 W	12.0 W	53 mA	80 °C	-25 ... +65 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).



ACCESSORIES **Strain-relief set 43x30mm**

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



ACU SC 30x43x30mm CLIP-ON SR SET (28001168, non-pre-assembled)



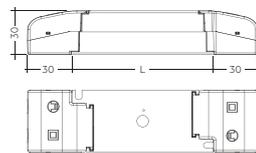
ACU SC 30x43x30mm CLIP-ON SR SET 300 (28001351, non-pre-assembled, 300 pcs. packaging)



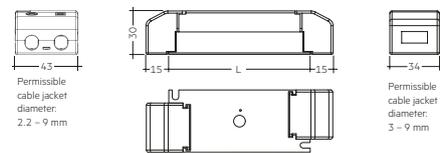
ACU SC 30x43x30mm CLIP-ON SR PA (28001699, pre-assembled)



ACU SC 15x43x30mm CLIP-ON SR PA (28001574, pre-assembled)



ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.

28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.

28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).

RoHS

ACCES-
SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 150MA BL	28001102	Blue	0150 mA	150 mA	33.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 200MA BL	28001104	Blue	0200 mA	200 mA	25.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 k Ω	10 pc(s).	0.001 kg



Driver LCA 10W 150–400mA one4all SR PRE
PREMIUM series

Product description

- Independent dimmable LED Driver
- Adjustable output current between 150 and 400 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 10 W
- Up to 82 % efficiency
- Power input on stand-by < 0.2 W
- Dimming range 1–100 %
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

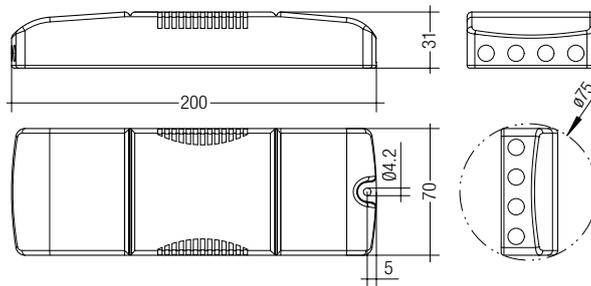
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For spot light and downlight in retail and hospitality applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	35 – 60 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	10 – 20 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 700 µA
Max. input power	13 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	82 %
λ (at 230 V, 50 Hz, full load)	0.96
Typ. power input on stand-by ³⁾	< 0.2 W
Typ. input current in no-load operation	12.4 mA
Typ. input power in no-load operation	< 0.5 W
In-rush current (peak / duration)	15 A / 243 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.7 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ^{1) 4)}	± 3 %
Max. output current peak (non-repetitive)	≤ output current + 40 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	200 x 70 x 30 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ¹⁾²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	I-select 2 resistor value ⁴⁾
LCA 10W 150-400mA one4all SR PRE	150 mA	15 V	40 V	6 W	8.2 W	37 mA	75 °C	-25 ... +65 °C	open
	200 mA	15 V	40 V	8 W	10.4 W	46 mA	75 °C	-25 ... +65 °C	25.00 kΩ
	250 mA	15 V	40 V	10 W	12.5 W	55 mA	75 °C	-25 ... +65 °C	20.00 kΩ
	300 mA	15 V	34 V	10 W	12.5 W	55 mA	75 °C	-25 ... +65 °C	16.67 kΩ
	350 mA	15 V	29 V	10 W	12.3 W	54 mA	75 °C	-25 ... +65 °C	14.29 kΩ
	400 mA	15 V	25 V	10 W	12.2 W	54 mA	75 °C	-25 ... +65 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

RoHS

ACCESSORIES

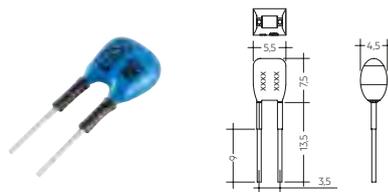
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 150MA BL	28001102	Blue	0150 mA	150 mA	33.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 200MA BL	28001104	Blue	0200 mA	200 mA	25.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LCA 17W 250–700mA one4all C PRE
PREMIUM series

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 250 – 700 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 17 W
- Up to 86 % efficiency
- Power input on stand-by < 0.2 W
- Dimming range 1–100 %
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 45° push terminals

Functions

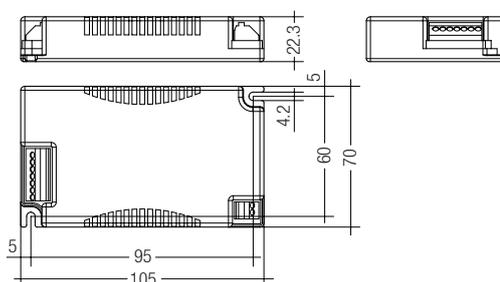
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For spot light and downlight in retail and hospitality applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	65 – 95 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	15 – 25 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 700 µA
Max. input power	22.5 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	86 %
λ (at 230 V, 50 Hz, full load)	0.98
Typ. power input on stand-by ³⁾	< 0.2 W
Typ. input current in no-load operation	12 mA
Typ. input power in no-load operation	0.4 W
In-rush current (peak / duration)	20 A / 133 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 8 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.7 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 30 ms
Output current tolerance ^{1) 4)}	± 3 %
Max. output current peak (non-repetitive)	≤ output current + 40 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	105 x 70 x 22 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ^{1) 2)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	I-select 2 resistor value ⁴⁾
LCA 17W 250-700mA one4all C PRE	250 mA	15 V	50 V	12.5 W	15.6 W	73 mA	85 °C	-25 ... +60 °C	open
	300 mA	15 V	50 V	15.0 W	18.5 W	83 mA	85 °C	-25 ... +60 °C	16.67 kΩ
	350 mA	15 V	50 V	17.0 W	20.5 W	92 mA	85 °C	-25 ... +60 °C	14.29 kΩ
	400 mA	15 V	43 V	17.0 W	20.5 W	92 mA	80 °C	-25 ... +60 °C	12.50 kΩ
	450 mA	15 V	38 V	17.0 W	20.5 W	92 mA	80 °C	-25 ... +60 °C	11.11 kΩ
	500 mA	15 V	34 V	17.0 W	19.8 W	90 mA	75 °C	-25 ... +60 °C	10.00 kΩ
	550 mA	15 V	31 V	17.0 W	19.8 W	90 mA	75 °C	-25 ... +60 °C	9.09 kΩ
	600 mA	15 V	28 V	17.0 W	19.8 W	90 mA	75 °C	-25 ... +60 °C	8.33 kΩ
	650 mA	15 V	26 V	17.0 W	20.3 W	91 mA	75 °C	-25 ... +60 °C	7.69 kΩ
	700 mA	15 V	24 V	17.0 W	20.3 W	91 mA	75 °C	-25 ... +60 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

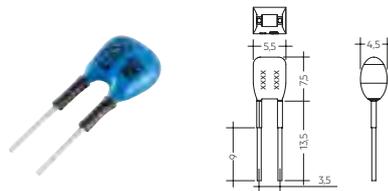
RoHS

ACCES-
SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LCA 17W 250-700mA one4all SC PRE
PREMIUM series

Product description

- Dimmable built-in constant current LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Adjustable output current between 250 and 700 mA via ready2mains™ Programmer, I-select 2 plugs or DALI
- Max. output power 17 W
- Up to 86 % efficiency
- Power input on stand-by < 0.2 W
- Dimming range 1 – 100 %
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains™ (configuration and dimming via mains)
- Terminal blocks: 45° push terminals

Functions

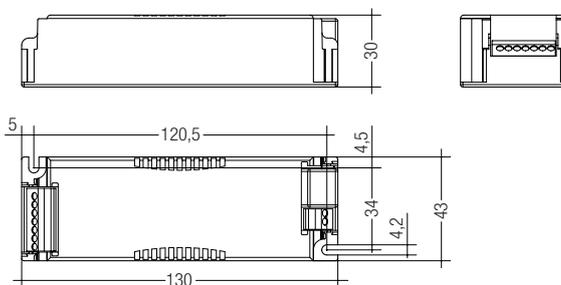
- Adjustable output current (DALI, ready2mains™, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains™
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains™ and I-select 2

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	65 – 95 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	15 – 25 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 700 µA
Max. input power	22.5 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	86 %
λ (at 230 V, 50 Hz, full load)	0.96
Typ. power input on stand-by ³⁾	< 0.2 W
Typ. input current in no-load operation	12.3 mA
Typ. input power in no-load operation	0.35 W
In-rush current (peak / duration)	20 A / 140 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 3 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.7 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 30 ms
Output current tolerance ^{1) 4)}	± 3 %
Max. output current peak (non-repetitive)	≤ output current + 40 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	130 x 43 x 30 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ^{1) 2)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	I-select 2 resistor value ⁴⁾
LCA 17W 250-700mA one4all SC PRE	250 mA	15 V	50 V	12.5 W	15.3 W	68 mA	80 °C	-25 ... +55 °C	open
	300 mA	15 V	50 V	15.0 W	18.0 W	80 mA	80 °C	-25 ... +55 °C	16.67 kΩ
	350 mA	15 V	49 V	17.2 W	20.1 W	89 mA	80 °C	-25 ... +55 °C	14.29 kΩ
	400 mA	15 V	43 V	17.2 W	19.9 W	88 mA	75 °C	-25 ... +60 °C	12.50 kΩ
	450 mA	15 V	38 V	17.1 W	19.6 W	88 mA	75 °C	-25 ... +60 °C	11.11 kΩ
	500 mA	15 V	34 V	17.0 W	19.5 W	86 mA	75 °C	-25 ... +60 °C	10.00 kΩ
	550 mA	15 V	31 V	17.1 W	19.5 W	86 mA	75 °C	-25 ... +60 °C	9.09 kΩ
	600 mA	15 V	28 V	16.8 W	19.2 W	85 mA	75 °C	-25 ... +60 °C	8.33 kΩ
	650 mA	15 V	26 V	16.9 W	19.4 W	86 mA	75 °C	-25 ... +60 °C	7.69 kΩ
	700 mA	15 V	24 V	16.8 W	19.4 W	85 mA	75 °C	-25 ... +60 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).



**ACCES-
SORIES**

Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



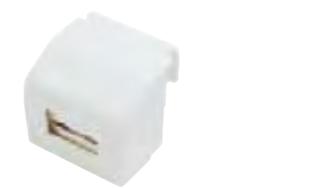
ACU SC 30x43x30mm CLIP-ON SR SET (28001168, non-pre-assembled)



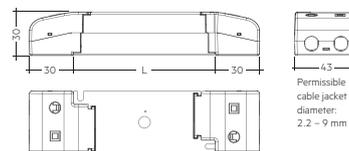
ACU SC 30x43x30mm CLIP-ON SR SET 300 (28001351, non-pre-assembled, 300 pcs. packaging)



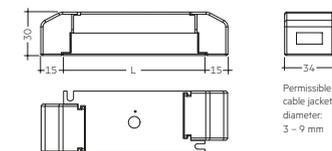
ACU SC 30x43x30mm CLIP-ON SR PA (28001699, pre-assembled)



ACU SC 15x43x30mm CLIP-ON SR PA (28001574, pre-assembled)



ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.

28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.

28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).

RoHS

ACCESSORIES

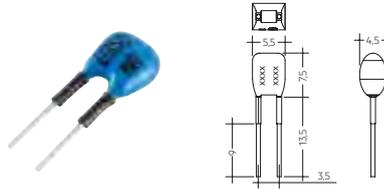
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 k Ω	10 pc(s).	0.001 kg



Driver LCA 17W 250–700mA one4all SR PRE
PREMIUM series

Product description

- Independent dimmable LED Driver
- Adjustable output current between 250 and 700 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 17 W
- Up to 86 % efficiency
- Power input on stand-by < 0.2 W
- Dimming range 1–100 %
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

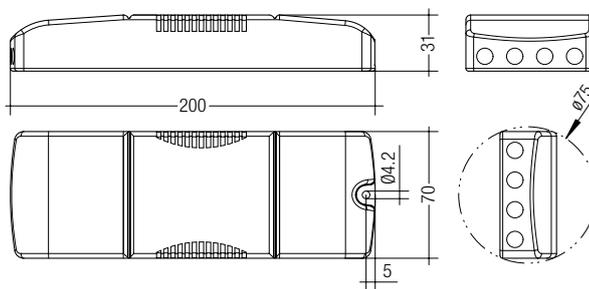
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For spot light and downlight in retail and hospitality applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Oversvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	65 – 95 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	15 – 25 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 700 µA
Max. input power	22.5 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	86 %
λ (at 230 V, 50 Hz, full load)	0.98
Typ. power input on stand-by ³⁾	< 0.2 W
Typ. input current in no-load operation	17.6 mA
Typ. input power in no-load operation	0.37 W
In-rush current (peak / duration)	18 A / 140 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 9 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.7 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 30 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	200 x 70 x 31 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 17W 250-700mA one4all SR PRE	28000670	10 pc(s).	400 pc(s).	0.203 kg

Specific technical data

Type	Output current ¹⁾⁵⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	I-select 2 resistor value ⁶⁾
LCA 17W 250-700mA one4all SR PRE	250 mA	15 V	50 V	12.5 W	15.4 W	69 mA	75 °C	-25 ... +55 °C	open
	300 mA	15 V	50 V	15.0 W	18.0 W	80 mA	75 °C	-25 ... +55 °C	16.67 kΩ
	350 mA	15 V	50 V	17.0 W	20.7 W	91 mA	75 °C	-25 ... +55 °C	14.29 kΩ
	400 mA	15 V	43 V	17.0 W	19.9 W	88 mA	75 °C	-25 ... +55 °C	12.50 kΩ
	450 mA	15 V	38 V	17.0 W	19.8 W	88 mA	75 °C	-25 ... +60 °C	11.11 kΩ
	500 mA	15 V	34 V	17.0 W	19.7 W	87 mA	75 °C	-25 ... +60 °C	10.00 kΩ
	550 mA	15 V	31 V	17.0 W	19.9 W	88 mA	75 °C	-25 ... +60 °C	9.09 kΩ
	600 mA	15 V	28 V	17.0 W	19.6 W	87 mA	70 °C	-25 ... +60 °C	8.33 kΩ
	650 mA	15 V	26 V	17.0 W	19.4 W	86 mA	70 °C	-25 ... +60 °C	7.69 kΩ
	700 mA	15 V	24 V	17.0 W	19.5 W	87 mA	70 °C	-25 ... +60 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

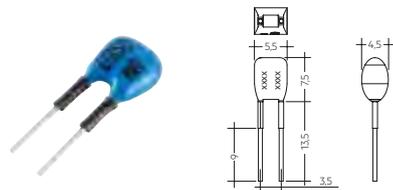
RoHS

ACCES-
SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LCA 25W 350–1050mA one4all C PRE
PREMIUM series

Product description

- Dimmable built-in constant current LED Driver
- Adjustable output current between 350 and 1,050 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 25 W
- Up to 89 % efficiency
- Power input on stand-by < 0.15 W
- Dimming range 1–100 %
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

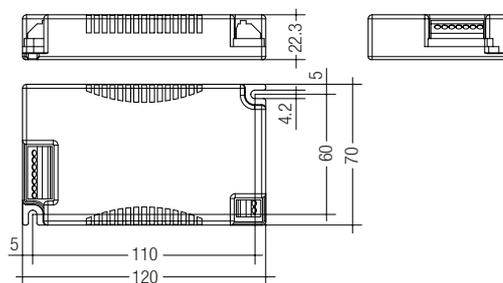
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	93.6 – 125.6 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	24.2 – 25.1 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 150 µA
Max. input power	28.7 W
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	89 %
λ (at 230 V, 50 Hz, full load)	0.98
Typ. power input on stand-by ³⁾	< 0.15 W
Typ. input current in no-load operation	16.1 mA
Typ. input power in no-load operation	0.59 W
In-rush current (peak / duration)	25 A / 140 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 8 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.33 s
Starting time (DC mode)	< 0.33 s
Switchover time (AC/DC)	< 0.33 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 2 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	120 x 70 x 22.3 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 25W 350-1050mA one4all C PRE	28000665	10 pc(s).	960 pc(s).	0149 kg

Specific technical data

Type	Output current ¹⁾⁵⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	I-select 2 resistor value ⁶⁾
LCA 25W 350-1050mA one4all C PRE	350 mA	20 V	50 V	17.5 W	20.9 W	94 mA	90 °C	-25 ... +60 °C	open
	400 mA	20 V	50 V	20.0 W	23.6 W	106 mA	90 °C	-25 ... +60 °C	12.50 kΩ
	450 mA	20 V	50 V	22.5 W	26.1 W	116 mA	90 °C	-25 ... +55 °C	11.11 kΩ
	500 mA	20 V	50 V	25.0 W	28.7 W	128 mA	90 °C	-25 ... +55 °C	10.00 kΩ
	550 mA	20 V	45 V	24.8 W	28.4 W	126 mA	90 °C	-25 ... +55 °C	9.09 kΩ
	600 mA	20 V	41 V	24.6 W	28.3 W	126 mA	90 °C	-25 ... +55 °C	8.33 kΩ
	650 mA	20 V	38 V	24.7 W	28.1 W	125 mA	85 °C	-25 ... +60 °C	7.69 kΩ
	700 mA	20 V	35 V	24.5 W	28.1 W	125 mA	85 °C	-25 ... +60 °C	7.14 kΩ
	750 mA	20 V	33 V	24.8 W	28.1 W	125 mA	85 °C	-25 ... +60 °C	6.67 kΩ
	800 mA	20 V	31 V	24.8 W	28.1 W	125 mA	85 °C	-25 ... +60 °C	6.25 kΩ
	850 mA	20 V	29 V	24.7 W	28.1 W	125 mA	85 °C	-25 ... +60 °C	5.88 kΩ
	900 mA	20 V	27 V	24.3 W	28.2 W	126 mA	85 °C	-25 ... +60 °C	5.56 kΩ
	950 mA	20 V	26 V	24.7 W	28.2 W	125 mA	85 °C	-25 ... +60 °C	5.26 kΩ
	1,000 mA	20 V	25 V	25.0 W	28.3 W	126 mA	85 °C	-25 ... +60 °C	5.00 kΩ
	1,050 mA	20 V	23 V	24.2 W	28.4 W	126 mA	85 °C	-25 ... +60 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

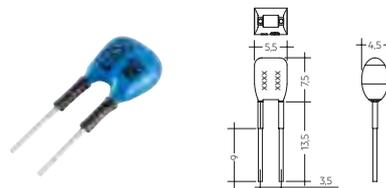
RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LCA 25W 350–1050mA one4all SC PRE
PREMIUM series

Product description

- Dimmable built-in constant current LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Adjustable output current between 350 and 1,050 mA via ready2mains™ Programmer, I-select 2 plugs or DALI
- Max. output power 25 W
- Up to 90 % efficiency
- Power input on stand-by < 0.15 W
- Dimming range 1 – 100 %
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains™ (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

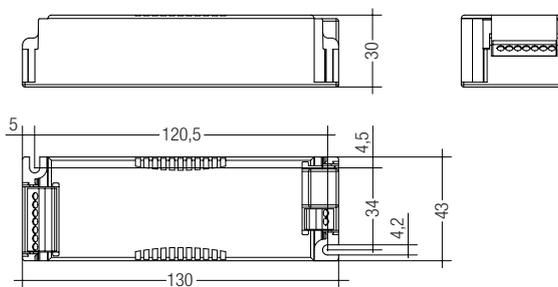
- Adjustable output current (DALI, ready2mains™, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains™
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains™ and I-select 2

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	95.4 – 127.6 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	22.8 – 28.4 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 150 µA
Max. input power	28.7 W
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	90 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.96
Typ. power input on stand-by ³⁾	< 0.15 W
Typ. input current in no-load operation	17.3 mA
Typ. input power in no-load operation	0.53 W
In-rush current (peak / duration)	26 A / 151 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 8 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.33 s
Starting time (DC mode)	< 0.33 s
Switchover time (AC/DC)	< 0.33 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 2.5 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	130 x 43 x 30 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 25W 350-1050mA one4all SC PRE	28000675	10 pc(s).	1,000 pc(s).	0.127 kg

Specific technical data

Type	Output current ⁴⁾⁵⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature _{tc}	Ambient temperature _{ta}	I-select 2 resistor value ⁶⁾
LCA 25W 350-1050mA one4all SC PRE	350 mA	20 V	50 V	17.5 W	20.9 W	94 mA	75 °C	-25 ... +55 °C	open
	400 mA	20 V	50 V	20.0 W	23.5 W	106 mA	75 °C	-25 ... +55 °C	12.50 kΩ
	450 mA	20 V	50 V	22.5 W	26.1 W	116 mA	75 °C	-25 ... +55 °C	11.11 kΩ
	500 mA	20 V	50 V	25.0 W	28.7 W	128 mA	75 °C	-25 ... +55 °C	10.00 kΩ
	550 mA	20 V	45 V	24.8 W	28.4 W	126 mA	75 °C	-25 ... +55 °C	9.09 kΩ
	600 mA	20 V	41 V	24.6 W	28.3 W	126 mA	75 °C	-25 ... +55 °C	8.33 kΩ
	650 mA	20 V	38 V	24.7 W	28.2 W	125 mA	75 °C	-25 ... +60 °C	7.69 kΩ
	700 mA	20 V	35 V	24.5 W	28.1 W	125 mA	75 °C	-25 ... +60 °C	7.14 kΩ
	750 mA	20 V	33 V	24.8 W	28.1 W	125 mA	75 °C	-25 ... +60 °C	6.67 kΩ
	800 mA	20 V	31 V	24.8 W	28.2 W	125 mA	75 °C	-25 ... +60 °C	6.25 kΩ
	850 mA	20 V	29 V	24.7 W	28.2 W	125 mA	75 °C	-25 ... +60 °C	5.88 kΩ
	900 mA	20 V	27 V	24.3 W	28.3 W	126 mA	75 °C	-25 ... +55 °C	5.56 kΩ
	950 mA	20 V	26 V	24.7 W	28.4 W	125 mA	75 °C	-25 ... +55 °C	5.26 kΩ
	1,000 mA	20 V	25 V	25.0 W	28.4 W	126 mA	75 °C	-25 ... +55 °C	5.00 kΩ
	1,050 mA	20 V	23 V	24.2 W	28.6 W	126 mA	75 °C	-25 ... +55 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).



Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



ACU SC 30x43x30mm CLIP-ON SR SET
(28001168, non-pre-assembled)



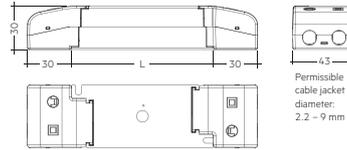
ACU SC 30x43x30mm CLIP-ON SR SET 300
(28001351, non-pre-assembled, 300 pcs. packaging)



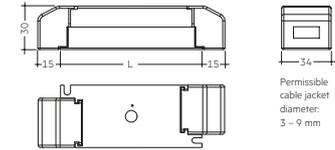
ACU SC 30x43x30mm CLIP-ON SR PA
(28001699, pre-assembled)



ACU SC 15x43x30mm CLIP-ON SR PA
(28001574, pre-assembled)



ACU SC 30x43x30mm CLIP-ON SR SET / PA



ACU SC 15x43x30mm CLIP-ON SR PA

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.

28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.

28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).

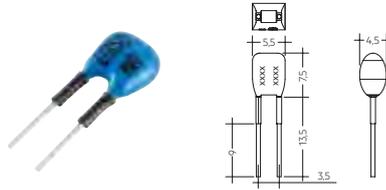
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 k Ω	10 pc(s).	0.001 kg



Driver LCA 25W 350–1050mA one4all SR PRE
PREMIUM series

Product description

- Independent dimmable LED Driver
- Adjustable output current between 350 and 1,050 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 25 W
- Up to 90 % efficiency
- Power input on stand-by < 0.15 W
- Dimming range 1–100 %
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

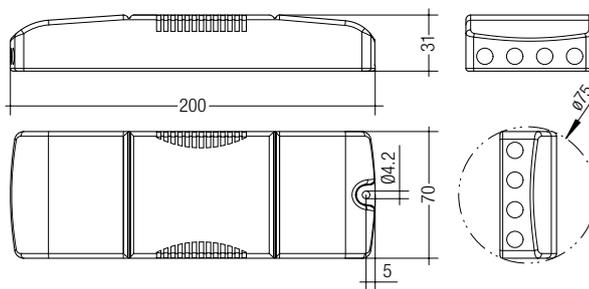
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	95.8 – 128.4 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	23.6 – 291 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 150 µA
Max. input power	299 W
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	90 %
λ (at 230 V, 50 Hz, full load)	0.96
Typ. power input on stand-by ³⁾	< 0.15 W
Typ. input current in no-load operation	28.5 mA
Typ. input power in no-load operation	0.58 W
In-rush current (peak / duration)	25 A / 141 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 7 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.33 s
Starting time (DC mode)	< 0.33 s
Switchover time (AC/DC)	< 0.33 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 2.5 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	200 x 70 x 31 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 25W 350-1050mA one4all SR PRE	28000671	10 pc(s).	400 pc(s).	0176 kg

Specific technical data

Type	Output current ¹⁾⁵⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	I-select 2 resistor value ⁶⁾
LCA 25W 350-1050mA one4all SR PRE	350 mA	20 V	50 V	17.5 W	21.0 W	96 mA	80 °C	-25 ... +60 °C	open
	400 mA	20 V	50 V	20.0 W	23.7 W	108 mA	80 °C	-25 ... +60 °C	12.50 kΩ
	450 mA	20 V	50 V	22.5 W	26.3 W	119 mA	75 °C	-25 ... +55 °C	11.11 kΩ
	500 mA	20 V	50 V	25.0 W	29.0 W	130 mA	75 °C	-25 ... +55 °C	10.00 kΩ
	550 mA	20 V	46 V	25.0 W	29.0 W	130 mA	75 °C	-25 ... +55 °C	9.09 kΩ
	600 mA	20 V	42 V	25.0 W	28.8 W	130 mA	75 °C	-25 ... +55 °C	8.33 kΩ
	650 mA	20 V	39 V	25.0 W	29.0 W	130 mA	75 °C	-25 ... +60 °C	7.69 kΩ
	700 mA	20 V	36 V	25.0 W	29.1 W	131 mA	75 °C	-25 ... +60 °C	7.14 kΩ
	750 mA	20 V	33 V	25.0 W	29.1 W	131 mA	75 °C	-25 ... +60 °C	6.67 kΩ
	800 mA	20 V	31 V	25.0 W	29.3 W	131 mA	75 °C	-25 ... +60 °C	6.25 kΩ
	850 mA	20 V	29 V	25.0 W	29.4 W	132 mA	75 °C	-25 ... +60 °C	5.88 kΩ
	900 mA	20 V	28 V	25.0 W	29.5 W	132 mA	75 °C	-25 ... +60 °C	5.56 kΩ
	950 mA	20 V	26 V	25.0 W	29.6 W	133 mA	75 °C	-25 ... +60 °C	5.26 kΩ
	1,000 mA	20 V	25 V	25.0 W	29.8 W	134 mA	75 °C	-25 ... +60 °C	5.00 kΩ
	1,050 mA	20 V	24 V	25.0 W	29.9 W	134 mA	75 °C	-25 ... +60 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

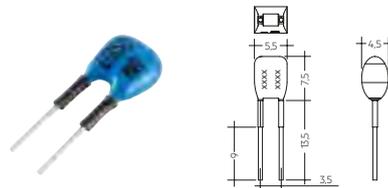
RoHS

ACCES-
SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)

Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LCA 45W 500–1400mA one4all C PRE
PREMIUM series

Product description

- Dimmable built-in constant current LED Driver
- Adjustable output current between 500 and 1,400 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 45 W
- Up to 90 % efficiency
- Power input on stand-by < 0.15 W
- Dimming range 1–100 %
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

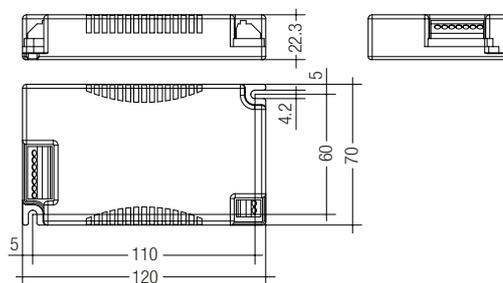
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	132 – 224 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	31 – 46 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 150 µA
Max. input power	50.6 W
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	90 %
λ (at 230 V, 50 Hz, full load)	0.98
Typ. power input on stand-by ³⁾	< 0.15 W
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	0.39 W
In-rush current (peak / duration)	28 A / 165 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 5 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.3 s
Starting time (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.3 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 2 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	120 x 70 x 22.3 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 45W 500-1400mA one4all C PRE	28000666	10 pc(s).	960 pc(s).	0158 kg

Specific technical data

Type	Output current ⁴⁾⁵⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature t_c	Ambient temperature t_a	I-select 2 resistor value ⁶⁾
LCA 45W 500-1400mA one4all C PRE	500 mA	25 V	50.0 V	25.0 W	30.1 W	136 mA	90 °C	-25 ... +50 °C	open
	550 mA	25 V	50.0 V	27.5 W	32.5 W	146 mA	90 °C	-25 ... +50 °C	9.09 kΩ
	600 mA	25 V	50.0 V	30.0 W	35.1 W	157 mA	90 °C	-25 ... +50 °C	8.33 kΩ
	650 mA	25 V	50.0 V	32.5 W	37.6 W	168 mA	90 °C	-25 ... +50 °C	7.69 kΩ
	700 mA	25 V	50.0 V	35.0 W	40.2 W	179 mA	95 °C	-25 ... +50 °C	7.14 kΩ
	750 mA	25 V	50.0 V	37.5 W	42.8 W	189 mA	95 °C	-25 ... +50 °C	6.67 kΩ
	800 mA	25 V	50.0 V	40.0 W	45.4 W	201 mA	100 °C	-25 ... +50 °C	6.25 kΩ
	850 mA	25 V	50.0 V	42.5 W	48.0 W	212 mA	100 °C	-25 ... +50 °C	5.88 kΩ
	900 mA	25 V	50.0 V	45.0 W	50.6 W	223 mA	100 °C	-25 ... +50 °C	5.56 kΩ
	950 mA	25 V	47.4 V	45.0 W	50.6 W	223 mA	100 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	25 V	45.0 V	45.0 W	50.4 W	222 mA	100 °C	-25 ... +50 °C	5.00 kΩ
	1,050 mA	25 V	42.9 V	45.0 W	50.5 W	222 mA	100 °C	-25 ... +50 °C	4.76 kΩ
	1,100 mA	25 V	40.9 V	45.0 W	50.4 W	222 mA	100 °C	-25 ... +50 °C	4.55 kΩ
	1,150 mA	25 V	39.1 V	45.0 W	50.3 W	222 mA	100 °C	-25 ... +50 °C	4.35 kΩ
	1,200 mA	25 V	37.5 V	45.0 W	50.3 W	222 mA	100 °C	-25 ... +50 °C	4.17 kΩ
	1,250 mA	25 V	36.0 V	45.0 W	50.3 W	222 mA	100 °C	-25 ... +50 °C	4.00 kΩ
	1,300 mA	25 V	34.6 V	45.0 W	50.4 W	222 mA	100 °C	-25 ... +50 °C	3.85 kΩ
1,350 mA	25 V	33.3 V	45.0 W	50.4 W	222 mA	100 °C	-25 ... +50 °C	3.70 kΩ	
1,400 mA	25 V	32.1 V	44.9 W	50.5 W	222 mA	100 °C	-25 ... +50 °C	short circuit (0 Ω)	

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

RoHS

ACCES-
SORIES

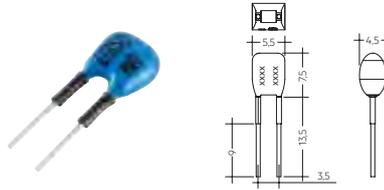
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1,000 mA	5.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1,050 mA	4.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 k Ω	10 pc(s).	0.001 kg



Driver LCA 45W 500–1400mA one4all SC PRE
PREMIUM series

Product description

- Dimmable built-in constant current LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Adjustable output current between 500 and 1,400 mA via ready2mains™ Programmer, I-select 2 plugs or DALI
- Max. output power 45 W
- Up to 91 % efficiency
- Power input on stand-by < 0.15 W
- Dimming range 1 – 100 %
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains™ (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

- Adjustable output current (DALI, ready2mains™, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains™
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

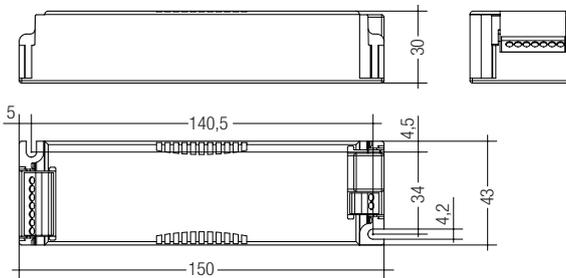
- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains™ and I-select 2

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



With strain-relief



Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Oversvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	132 – 224 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	29 – 44 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 160 µA
Max. input power	50 W
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	91 %
λ (at 230 V, 50 Hz, full load)	0.98
Typ. power input on stand-by ³⁾	< 0.15 W
Typ. input current in no-load operation	25.7 mA
Typ. input power in no-load operation	0.36 W
In-rush current (peak / duration)	223 A / 200 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 5 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.3 s
Starting time (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.3 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ^{1) 4)}	± 3 %
Max. output current peak (non-repetitive)	≤ output current + 40 %
Output LF current ripple (< 120 Hz)	± 2 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	150 x 43 x 30 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 45W 500-1400mA one4all SC PRE	28000676	10 pc(s).	1,000 pc(s).	0.145 kg

Specific technical data

Type	Output current ¹⁾²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature t_c	Ambient temperature t_a	I-select 2 resistor value ⁴⁾
LCA 45W 500-1400mA one4all SC PRE	500 mA	25 V	50.0 V	25.0 W	29.3 W	133 mA	80 °C	-25 ... +50 °C	open
	550 mA	25 V	50.0 V	27.5 W	31.8 W	144 mA	80 °C	-25 ... +50 °C	9.09 kΩ
	600 mA	25 V	50.0 V	30.0 W	34.4 W	150 mA	85 °C	-25 ... +50 °C	8.33 kΩ
	650 mA	25 V	50.0 V	32.5 W	37.0 W	166 mA	85 °C	-25 ... +50 °C	7.69 kΩ
	700 mA	25 V	50.0 V	35.0 W	39.5 W	176 mA	85 °C	-25 ... +50 °C	7.14 kΩ
	750 mA	25 V	50.0 V	37.5 W	42.1 W	187 mA	85 °C	-25 ... +50 °C	6.67 kΩ
	800 mA	25 V	50.0 V	40.0 W	44.7 W	198 mA	85 °C	-25 ... +50 °C	6.25 kΩ
	850 mA	25 V	50.0 V	42.5 W	47.3 W	210 mA	85 °C	-25 ... +50 °C	5.88 kΩ
	900 mA	25 V	50.0 V	45.0 W	49.9 W	221 mA	85 °C	-25 ... +50 °C	5.56 kΩ
	950 mA	25 V	47.4 V	45.0 W	49.9 W	221 mA	85 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	25 V	45.0 V	45.0 W	49.8 W	220 mA	85 °C	-25 ... +50 °C	5.00 kΩ
	1,050 mA	25 V	42.9 V	45.0 W	49.8 W	220 mA	85 °C	-25 ... +50 °C	4.76 kΩ
	1,100 mA	25 V	40.9 V	45.0 W	49.7 W	220 mA	85 °C	-25 ... +50 °C	4.55 kΩ
	1,150 mA	25 V	39.1 V	45.0 W	49.7 W	220 mA	85 °C	-25 ... +50 °C	4.35 kΩ
	1,200 mA	25 V	37.5 V	45.0 W	49.8 W	220 mA	85 °C	-25 ... +50 °C	4.17 kΩ
	1,250 mA	25 V	36.0 V	45.0 W	49.8 W	220 mA	85 °C	-25 ... +50 °C	4.00 kΩ
	1,300 mA	25 V	34.6 V	45.0 W	49.9 W	221 mA	85 °C	-25 ... +50 °C	3.85 kΩ
1,350 mA	25 V	33.3 V	45.0 W	49.9 W	221 mA	85 °C	-25 ... +50 °C	3.70 kΩ	
1,400 mA	25 V	32.1 V	44.9 W	50.0 W	221 mA	85 °C	-25 ... +50 °C	short circuit (0 Ω)	

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).



Strain-relief set 43x30mm

Product description

- Optional strain-relief set for independent applications
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)
- Easy and tool-free mounting to the LED Driver, screwless cable-clamp channels for long strain-relief (30 x 43 x 30 mm)
- With screws for short strain-relief (15 x 43 x 30 mm)
- Overall length = length L (LED Driver) + 2 x 30 mm (long strain-relief set), 2 x 15 mm (short strain-relief) or long and short strain-relief any combination
- Standard SC (L = 30 mm) available as non-pre-assembled and pre-assembled
- Short SC (L = 15 mm) only pre-assembled available



ACU SC 30x43x30mm CLIP-ON SR SET
(28001168, non-pre-assembled)



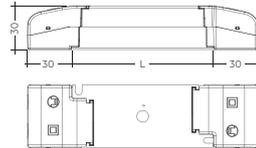
ACU SC 30x43x30mm CLIP-ON SR SET 300
(28001351, non-pre-assembled, 300 pcs. packaging)



ACU SC 30x43x30mm CLIP-ON SR PA
(28001699, pre-assembled)



ACU SC 15x43x30mm CLIP-ON SR PA
(28001574, pre-assembled)



ACU SC 30x43x30mm CLIP-ON SR SET / PA



Permissible cable jacket diameter: 2.2 – 9 mm



ACU SC 15x43x30mm CLIP-ON SR PA



Permissible cable jacket diameter: 3 – 9 mm

Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	28001168	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 43x30mm CLIP-ON SR SET 300	28001351	300 pc(s).	300 pc(s).	0.021 kg
ACU SC 30x43x30mm CLIP-ON SR PA	28001699	10 pc(s).	500 pc(s).	0.021 kg
ACU SC 15x43x30mm CLIP-ON SR PA	28001574	10 pc(s).	1,200 pc(s).	0.010 kg

¹⁾ 28001168: A carton of 10 pcs. is equal to 10 sets, each with 2 strain-reliefs parts.
 28001351: A carton of 300 pcs. is equal to 300 sets, each with 2 strain-reliefs parts.
 28001699 + 28001574: A carton contains exactly 10 pcs. strain-reliefs (no sets).

RoHS

ACCES-
SORIES

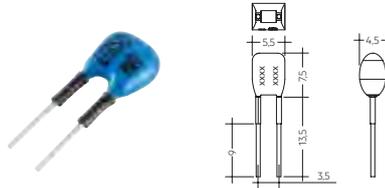
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1,000 mA	5.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1,050 mA	4.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 k Ω	10 pc(s).	0.001 kg



Driver LCA 45W 500–1400mA one4all SR PRE
PREMIUM series

Product description

- Independent dimmable LED Driver
- Adjustable output current between 500 and 1,400 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 45 W
- Up to 90 % efficiency
- Power input on stand-by < 0.15 W
- Dimming range 1–100 %
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

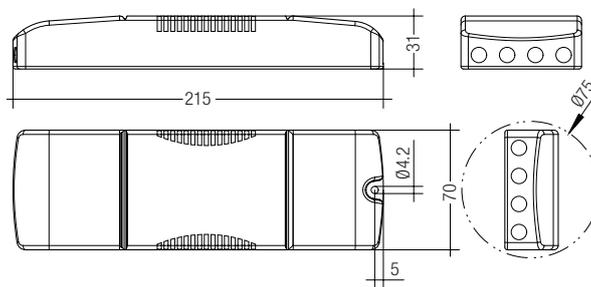
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	132 – 224 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	31 – 46 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 160 µA
Max. input power	50.6 W
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	90 %
λ (at 230 V, 50 Hz, full load)	0.98
Typ. power input on stand-by ³⁾	< 0.15 W
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	0.38 W
In-rush current (peak / duration)	28 A / 195 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 5 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.3 s
Starting time (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.3 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	≤ output current + 40 %
Output LF current ripple (< 120 Hz)	± 2 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	215 x 70 x 31 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 45W 500-1400mA one4all SR PRE	28000672	10 pc(s).	400 pc(s).	0.231 kg

Specific technical data

Type	Output current ¹⁾ ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature t_c	Ambient temperature t_a	I-select 2 resistor value ⁴⁾
LCA 45W 500-1400mA one4all SR PRE	500 mA	25 V	50.0 V	25.0 W	30.1 W	136 mA	75 °C	-25 ... +50 °C	open
	550 mA	25 V	50.0 V	27.5 W	32.5 W	146 mA	75 °C	-25 ... +50 °C	9.09 kΩ
	600 mA	25 V	50.0 V	30.0 W	35.1 W	157 mA	75 °C	-25 ... +50 °C	8.33 kΩ
	650 mA	25 V	50.0 V	32.5 W	37.6 W	168 mA	75 °C	-25 ... +50 °C	7.69 kΩ
	700 mA	25 V	50.0 V	35.0 W	40.2 W	179 mA	80 °C	-25 ... +50 °C	7.14 kΩ
	750 mA	25 V	50.0 V	37.5 W	42.8 W	189 mA	80 °C	-25 ... +50 °C	6.67 kΩ
	800 mA	25 V	50.0 V	40.0 W	45.4 W	201 mA	80 °C	-25 ... +50 °C	6.25 kΩ
	850 mA	25 V	50.0 V	42.5 W	48.0 W	212 mA	80 °C	-25 ... +50 °C	5.88 kΩ
	900 mA	25 V	50.0 V	45.0 W	50.6 W	223 mA	80 °C	-25 ... +50 °C	5.56 kΩ
	950 mA	25 V	47.4 V	45.0 W	50.6 W	223 mA	80 °C	-25 ... +50 °C	5.26 kΩ
	1000 mA	25 V	45.0 V	45.0 W	50.4 W	223 mA	80 °C	-25 ... +50 °C	5.00 kΩ
	1050 mA	25 V	42.9 V	45.0 W	50.5 W	223 mA	80 °C	-25 ... +50 °C	4.76 kΩ
	1100 mA	25 V	40.9 V	45.0 W	50.4 W	223 mA	80 °C	-25 ... +50 °C	4.55 kΩ
	1150 mA	25 V	39.1 V	45.0 W	50.3 W	223 mA	80 °C	-25 ... +50 °C	4.35 kΩ
	1200 mA	25 V	37.5 V	45.0 W	50.3 W	223 mA	80 °C	-25 ... +50 °C	4.17 kΩ
	1250 mA	25 V	36.0 V	45.0 W	50.3 W	223 mA	80 °C	-25 ... +50 °C	4.00 kΩ
	1300 mA	25 V	34.6 V	45.0 W	50.4 W	223 mA	80 °C	-25 ... +50 °C	3.85 kΩ
1350 mA	25 V	33.3 V	45.0 W	50.4 W	224 mA	80 °C	-25 ... +50 °C	3.70 kΩ	
1400 mA	25 V	32.1 V	44.9 W	50.5 W	224 mA	80 °C	-25 ... +50 °C	short circuit (0 Ω)	

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

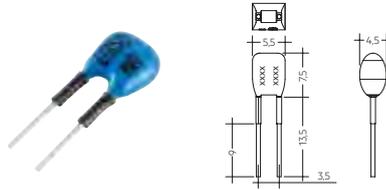
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1,000 mA	5.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1,050 mA	4.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 k Ω	10 pc(s).	0.001 kg

IP20 SELV    
  



Driver LCA 60W 900–1750mA one4all C PRE
PREMIUM series

Product description

- Dimmable built-in constant current LED Driver
- Adjustable output current between 900 and 1,750 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 60 W
- Up to 90 % efficiency
- Power input on stand-by < 0.2 W
- Dimming range 1–100 %
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 45° push terminals

Functions

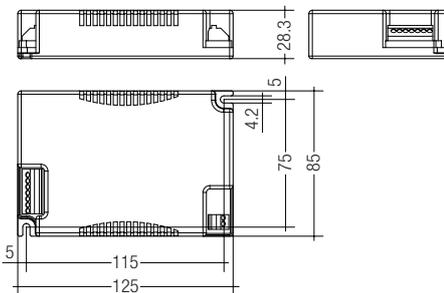
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	241 – 293 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	43 – 54 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 700 µA
Max. input power	70 W
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	90 %
λ (at 230 V, 50 Hz, full load)	0.98
Typ. power input on stand-by ³⁾	< 0.2 W
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	0.5 W
In-rush current (peak / duration)	26 A / 264 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 7 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.7 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 30 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	125 x 85 x 28.3 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 60W 900-1750mA one4all C PRE	28000667	10 pc(s).	720 pc(s).	0.207 kg

Specific technical data

Type	Output current ¹⁾⁵⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	I-select 2 resistor value ⁶⁾
LCA 60W 900-1750mA one4all C PRE	900 mA	20 V	54.0 V	48.6 W	54.0 W	241 mA	85 °C	-25 ... +55 °C	open
	950 mA	20 V	54.0 V	51.3 W	57.3 W	254 mA	85 °C	-25 ... +55 °C	5.26 kΩ
	1,000 mA	20 V	54.0 V	54.0 W	60.1 W	267 mA	85 °C	-25 ... +55 °C	5.00 kΩ
	1,050 mA	20 V	54.0 V	56.7 W	63.3 W	281 mA	85 °C	-25 ... +55 °C	4.76 kΩ
	1,100 mA	20 V	54.0 V	59.4 W	65.9 W	292 mA	85 °C	-25 ... +55 °C	4.55 kΩ
	1,150 mA	20 V	52.2 V	60.0 W	66.7 W	295 mA	85 °C	-25 ... +55 °C	4.35 kΩ
	1,200 mA	20 V	50.0 V	60.0 W	66.5 W	294 mA	85 °C	-25 ... +55 °C	4.17 kΩ
	1,250 mA	20 V	48.0 V	60.0 W	66.8 W	295 mA	85 °C	-25 ... +55 °C	4.00 kΩ
	1,300 mA	20 V	46.2 V	60.0 W	66.2 W	293 mA	80 °C	-25 ... +55 °C	3.85 kΩ
	1,350 mA	20 V	44.4 V	60.0 W	66.4 W	294 mA	80 °C	-25 ... +55 °C	3.70 kΩ
	1,400 mA	20 V	42.9 V	60.0 W	66.3 W	294 mA	80 °C	-25 ... +55 °C	3.57 kΩ
	1,450 mA	20 V	41.4 V	60.0 W	66.8 W	295 mA	80 °C	-25 ... +55 °C	3.45 kΩ
	1,500 mA	20 V	40.0 V	60.0 W	66.3 W	293 mA	80 °C	-25 ... +55 °C	3.33 kΩ
	1,550 mA	20 V	38.7 V	60.0 W	66.0 W	292 mA	80 °C	-25 ... +55 °C	3.23 kΩ
	1,600 mA	20 V	37.5 V	60.0 W	66.2 W	293 mA	80 °C	-25 ... +55 °C	3.13 kΩ
	1,650 mA	20 V	36.4 V	60.0 W	66.8 W	295 mA	80 °C	-25 ... +55 °C	3.03 kΩ
	1,700 mA	20 V	35.3 V	60.0 W	66.0 W	292 mA	80 °C	-25 ... +55 °C	2.94 kΩ
	1,750 mA	20 V	34.3 V	60.0 W	66.2 W	293 mA	80 °C	-25 ... +55 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

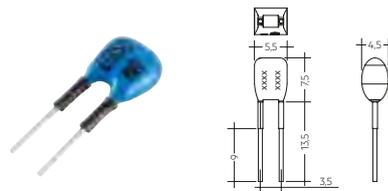
RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1,000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1,050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1500MA BL	28001133	Blue	1500 mA	1,500 mA	3.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1600MA BL	28001134	Blue	1600 mA	1,600 mA	3.13 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1700MA BL	28001135	Blue	1700 mA	1,700 mA	2.94 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LCA 60W 900–1750mA one4all SR PRE
PREMIUM series

Product description

- Independent dimmable LED Driver
- Adjustable output current between 900 and 1,750 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 60 W
- Up to 90 % efficiency
- Power input on stand-by < 0.2 W
- Dimming range 1–100 %
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 45° / 0° push terminals

Functions

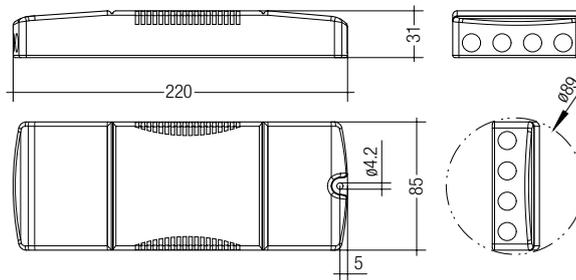
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	241 – 293 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	43 – 54 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 700 µA
Max. input power	70 W
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	90 %
λ (at 230 V, 50 Hz, full load)	0.98
Typ. power input on stand-by ³⁾	< 0.2 W
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	0.5 W
In-rush current (peak / duration)	26 A / 264 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 7 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.7 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 30 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	220 x 85 x 31 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 60W 900-1750mA one4all SR PRE	28000677	10 pc(s).	400 pc(s).	0.286 kg

Specific technical data

Type	Output current ^{1) 2)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	I-select 2 resistor value ³⁾
LCA 60W 900-1750mA one4all SR PRE	900 mA	20 V	54.0 V	48.6 W	54.0 W	241 mA	75 °C	-25 ... +50 °C	open
	950 mA	20 V	54.0 V	51.3 W	57.3 W	254 mA	75 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	20 V	54.0 V	54.0 W	60.1 W	267 mA	75 °C	-25 ... +50 °C	5.00 kΩ
	1,050 mA	20 V	54.0 V	56.7 W	63.3 W	281 mA	75 °C	-25 ... +50 °C	4.76 kΩ
	1,100 mA	20 V	54.0 V	59.4 W	65.9 W	292 mA	75 °C	-25 ... +50 °C	4.55 kΩ
	1,150 mA	20 V	52.2 V	60.0 W	66.7 W	295 mA	75 °C	-25 ... +50 °C	4.35 kΩ
	1,200 mA	20 V	50.0 V	60.0 W	66.5 W	294 mA	75 °C	-25 ... +50 °C	4.17 kΩ
	1,250 mA	20 V	48.0 V	60.0 W	66.8 W	295 mA	75 °C	-25 ... +50 °C	4.00 kΩ
	1,300 mA	20 V	46.2 V	60.0 W	66.2 W	293 mA	70 °C	-25 ... +50 °C	3.85 kΩ
	1,350 mA	20 V	44.4 V	60.0 W	66.4 W	294 mA	70 °C	-25 ... +50 °C	3.70 kΩ
	1,400 mA	20 V	42.9 V	60.0 W	66.3 W	294 mA	70 °C	-25 ... +50 °C	3.57 kΩ
	1,450 mA	20 V	41.4 V	60.0 W	66.8 W	295 mA	70 °C	-25 ... +50 °C	3.45 kΩ
	1,500 mA	20 V	40.0 V	60.0 W	66.3 W	293 mA	70 °C	-25 ... +50 °C	3.33 kΩ
	1,550 mA	20 V	38.7 V	60.0 W	66.0 W	292 mA	70 °C	-25 ... +50 °C	3.23 kΩ
	1,600 mA	20 V	37.5 V	60.0 W	66.2 W	293 mA	70 °C	-25 ... +50 °C	3.13 kΩ
	1,650 mA	20 V	36.4 V	60.0 W	66.8 W	295 mA	70 °C	-25 ... +50 °C	3.03 kΩ
	1,700 mA	20 V	35.3 V	60.0 W	66.0 W	292 mA	70 °C	-25 ... +50 °C	2.94 kΩ
	1,750 mA	20 V	34.3 V	60.0 W	66.2 W	293 mA	70 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

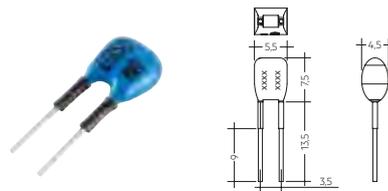
RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1,000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1,050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1500MA BL	28001133	Blue	1500 mA	1,500 mA	3.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1600MA BL	28001134	Blue	1600 mA	1,600 mA	3.13 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1700MA BL	28001135	Blue	1700 mA	1,700 mA	2.94 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg

IP20 SELV    
  



Driver LCA 100W 1100–2100mA one4all C PRE
PREMIUM series

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 1,100 – 2,100 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 100 W
- Up to 92 % efficiency
- Power input on stand-by < 0.2 W
- Dimming range 1–100 %
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 45° push terminals

Functions

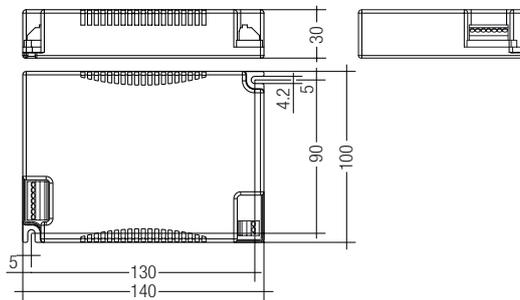
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For applications in panel and low Bay / high Bay luminaires
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	295 – 479 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	55 – 78 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 700 µA
Max. input power	110 W
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	92 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.98
Typ. power input on stand-by ³⁾	< 0.2 W
Typ. input current in no-load operation	48 mA
Typ. input power in no-load operation	0.4 W
In-rush current (peak / duration)	50 A / 209 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.7 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 30 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 3 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L – N)	2 kV
Mains surge capability (between L/N – PE)	4 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	140 x 100 x 30 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 100W 1100-2100mA one4all C PRE	28001570	10 pc(s).	500 pc(s).	0.288 kg

Specific technical data

Type	Output current ¹⁾⁵⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	I-select 2 resistor value ⁶⁾
LCA 100W 1100-2100mA one4all C PRE	1,100 mA	20 V	54.0 V	59.4 W	65.5 W	295 mA	75 °C	-25 ... +55 °C	open
	1,200 mA	20 V	54.0 V	64.8 W	71.3 W	319 mA	75 °C	-25 ... +55 °C	4.17 kΩ
	1,300 mA	20 V	54.0 V	70.2 W	76.9 W	343 mA	80 °C	-25 ... +55 °C	3.85 kΩ
	1,400 mA	20 V	54.0 V	75.6 W	82.4 W	366 mA	80 °C	-25 ... +55 °C	3.57 kΩ
	1,500 mA	20 V	54.0 V	81.0 W	88.8 W	393 mA	80 °C	-25 ... +55 °C	3.33 kΩ
	1,600 mA	20 V	54.0 V	86.4 W	94.4 W	418 mA	80 °C	-25 ... +55 °C	3.13 kΩ
	1,700 mA	20 V	54.0 V	91.8 W	99.8 W	441 mA	85 °C	-25 ... +55 °C	2.94 kΩ
	1,800 mA	20 V	54.0 V	97.2 W	105.9 W	466 mA	85 °C	-25 ... +55 °C	2.78 kΩ
	1,900 mA	20 V	52.6 V	99.9 W	107.0 W	472 mA	85 °C	-25 ... +55 °C	2.63 kΩ
	2,000 mA	20 V	50.0 V	100.0 W	108.8 W	479 mA	85 °C	-25 ... +55 °C	2.50 kΩ
	2,100 mA	20 V	47.6 V	100.0 W	108.6 W	479 mA	85 °C	-25 ... +55 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

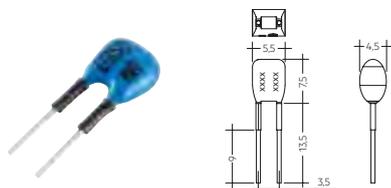
RoHS

ACCES-
SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1500MA BL	28001133	Blue	1500 mA	1,500 mA	3.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1600MA BL	28001134	Blue	1600 mA	1,600 mA	3.13 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1700MA BL	28001135	Blue	1700 mA	1,700 mA	2.94 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1800MA BL	28001136	Blue	1800 mA	1,800 mA	2.78 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1900MA BL	28001137	Blue	1900 mA	1,900 mA	2.63 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 2000MA BL	28001138	Blue	2000 mA	2,000 mA	2.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 2100MA BL	28001139	Blue	2100 mA	2,100 mA	2.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LCA 100W 1100–2100mA one4all SR PRE
PREMIUM series

Product description

- Independent dimmable LED Driver
- Output current adjustable between 1,100 – 2,100 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 100 W
- Up to 92 % efficiency
- Power input on stand-by < 0.2 W
- Dimming range 1–100 %
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 45° / 0° push terminals

Functions

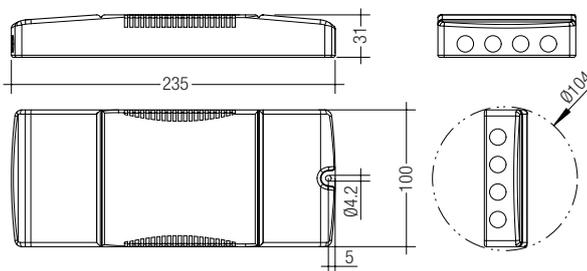
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For applications in panel and low Bay / high Bay luminaires
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 270 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	295 – 479 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	55 – 78 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 700 µA
Max. input power	110 W
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	92 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.98
Typ. power input on stand-by ³⁾	< 0.2 W
Typ. input current in no-load operation	48 mA
Typ. input power in no-load operation	0.4 W
In-rush current (peak / duration)	50 A / 209 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.7 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 30 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 3 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L – N)	2 kV
Mains surge capability (between L/N – PE)	4 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	235 x 100 x 31 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 100W 1100-2100mA one4all SR PRE	28001571	10 pc(s).	300 pc(s).	0.378 kg

Specific technical data

Type	Output current ⁴⁾⁵⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta	I-select 2 resistor value ⁶⁾
LCA 100W 1100-2100mA one4all SR PRE	1,100 mA	20 V	54.0 V	59.4 W	65.5 W	295 mA	70 °C	-25 ... +50 °C	open
	1,200 mA	20 V	54.0 V	64.8 W	71.3 W	319 mA	70 °C	-25 ... +50 °C	4.17 kΩ
	1,300 mA	20 V	54.0 V	70.2 W	76.9 W	343 mA	75 °C	-25 ... +50 °C	3.85 kΩ
	1,400 mA	20 V	54.0 V	75.6 W	82.4 W	366 mA	75 °C	-25 ... +50 °C	3.57 kΩ
	1,500 mA	20 V	54.0 V	81.0 W	88.8 W	393 mA	75 °C	-25 ... +50 °C	3.33 kΩ
	1,600 mA	20 V	54.0 V	86.4 W	94.4 W	418 mA	75 °C	-25 ... +50 °C	3.13 kΩ
	1,700 mA	20 V	54.0 V	91.8 W	99.8 W	441 mA	80 °C	-25 ... +50 °C	2.94 kΩ
	1,800 mA	20 V	54.0 V	97.2 W	105.9 W	466 mA	80 °C	-25 ... +50 °C	2.78 kΩ
	1,900 mA	20 V	52.6 V	99.9 W	107.0 W	472 mA	80 °C	-25 ... +50 °C	2.63 kΩ
	2,000 mA	20 V	50.0 V	100.0 W	108.8 W	479 mA	80 °C	-25 ... +50 °C	2.50 kΩ
	2,100 mA	20 V	47.6 V	100.0 W	108.6 W	479 mA	80 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

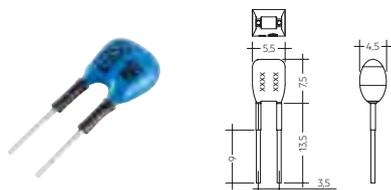
RoHS

ACCES-
SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1500MA BL	28001133	Blue	1500 mA	1,500 mA	3.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1600MA BL	28001134	Blue	1600 mA	1,600 mA	3.13 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1700MA BL	28001135	Blue	1700 mA	1,700 mA	2.94 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1800MA BL	28001136	Blue	1800 mA	1,800 mA	2.78 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1900MA BL	28001137	Blue	1900 mA	1,900 mA	2.63 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 2000MA BL	28001138	Blue	2000 mA	2,000 mA	2.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 2100MA BL	28001139	Blue	2100 mA	2,100 mA	2.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



NEW

Driver LC 35W 150–700mA 54V 0-10V C EXC UNV
EXCITE series (UL certified)

Product description

- Constant current LED Driver
- Dimmable via 0 ... 10 V interface
- Dimming range 1 – 100 %
- Adjustable output current between 150 and 700 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 35 W
- Up to 88.4 % efficiency
- Class 2
- Class P
- FCC 15
- UL certified
- Only for US applications
- Up to 100,000 hrs lifetime
- 5-year guarantee

Properties

- Casing: metal, white
- Type of protection IP20
- Dry and damp location

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Dimmable via 0 ... 10 V interface
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)

Benefits

- Operating windows for maximum compatibility
- Added energy savings with dimming via 0 ... 10 V interface
- Configurable via ready2mains and I-select 2
- Tailor your dimming response with either Linear or Logarithmic Dimming Curves

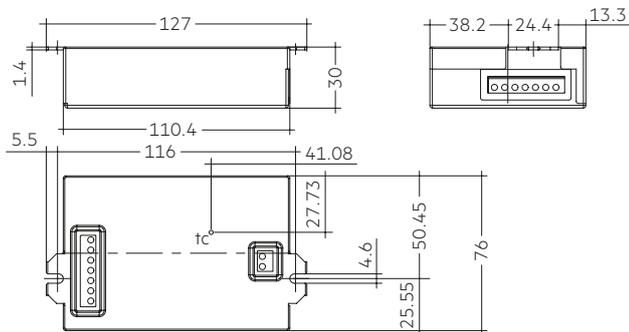
Typical applications

- For linear/area lighting in office, education, healthcare, and general lighting applications
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	120 – 277 V
AC voltage range	108 – 305 V
Mains frequency	50 / 60 Hz
Typ. current (at 120 V, 60 Hz, full load) ^{1) 2)}	343 mA
Typ. current (at 277 V, 60 Hz, full load) ^{1) 2)}	156 mA
Leakage current (at 120 V, 60 Hz, full load) ^{1) 2)}	< 700 µA
Leakage current (at 277 V, 60 Hz, full load) ^{1) 2)}	< 700 µA
Max. input power (at 120 V, 60 Hz, full load)	41 W
Max. input power (at 277 V, 60 Hz, full load)	40.2 W
Typ. efficiency (at 120 V, 60 Hz, full load) ²⁾	87.9 %
Typ. efficiency (at 277 V, 60 Hz, full load) ²⁾	87.9 %
λ (at 120 V, 60 Hz, full load) ¹⁾	0.99
λ (at 277 V, 60 Hz, full load) ¹⁾	0.92C
Typ. input current in no-load operation (at 120 V, 60 Hz)	16 mA
Typ. input current in no-load operation (at 277 V, 60 Hz)	30 mA
Typ. input power in no-load operation (at 120 V, 60 Hz)	0.5 W
Typ. input power in no-load operation (at 277 V, 60 Hz)	0.6 W
In-rush current (peak / duration at 120 V)	15.48 A / 185 µs
In-rush current (peak / duration at 277 V)	35.2 A / 157 µs
THD (at 120 V, 60 Hz, full load) ¹⁾	< 10 %
THD (at 277 V, 60 Hz, full load) ¹⁾	< 15 %
Starting time (full load) ¹⁾	≤ 700 ms
Turn off time (full load)	< 30 ms
Hold time (power failure, full load)	< 20 ms
Output current tolerance ^{1) 2)}	± 5 %
Max. output current peak (non-repetitive)	± output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage	60 V
Dimming range	1 – 100 %
Mains surge capability (between L - N)	2.5 kV
Mains surge capability (between L/N - PE)	2.5 kV
Surge voltage at output side (against PE)	500 V
Dimensions L x W x H	127 x 76 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 35/150-700/54 0-10V C EXC UNV	87500683	15 pc(s).	360 pc(s).	1,800 pc(s).	0.318 kg

Specific technical data

Type	Output current ¹⁾⁵⁾	Min. forward voltage	Max. forward voltage	Max. output power (at 120 V, 60 Hz, full load)	Typ. power consumption (at 120 V, 60 Hz, full load)	Typ. current consumption (at 120 V, 60 Hz, full load)	Max. output power (at 277 V, 60 Hz, full load)	Typ. power consumption (at 277 V, 60 Hz, full load)	Typ. current consumption (at 277 V, 60 Hz, full load)	tc temperature ⁴⁾	Ambient temperature ta max.	I-select 2 resistor value ⁴⁾
LC 35/150-700/54 0-10V C EXC UNV	150 mA	18 V	54.0 V	8.1 W	11.4 W	105 mA	8.1 W	11.7 W	68 mA	70 °C	-10 ... +55 °C	open
	200 mA	18 V	54.0 V	10.8 W	14.4 W	126 mA	10.8 W	14.8 W	75 mA	70 °C	-10 ... +55 °C	25.00 kΩ
	250 mA	18 V	54.0 V	13.5 W	17.3 W	148 mA	13.5 W	17.5 W	85 mA	70 °C	-10 ... +55 °C	20.00 kΩ
	300 mA	18 V	54.0 V	16.2 W	20.1 W	171 mA	16.2 W	20.2 W	94 mA	70 °C	-10 ... +55 °C	16.67 kΩ
	350 mA	18 V	54.0 V	18.9 W	23.0 W	196 mA	18.9 W	23.0 W	103 mA	70 °C	-10 ... +55 °C	14.29 kΩ
	400 mA	18 V	54.0 V	21.6 W	26.1 W	219 mA	21.6 W	26.0 W	110 mA	70 °C	-10 ... +55 °C	12.50 kΩ
	450 mA	18 V	54.0 V	24.3 W	28.7 W	245 mA	24.3 W	28.5 W	118 mA	70 °C	-10 ... +55 °C	11.11 kΩ
	500 mA	18 V	54.0 V	27.0 W	31.6 W	270 mA	27.0 W	31.5 W	128 mA	70 °C	-10 ... +55 °C	10.00 kΩ
	550 mA	18 V	54.0 V	29.7 W	34.6 W	293 mA	29.7 W	34.1 W	137 mA	70 °C	-10 ... +55 °C	9.09 kΩ
	600 mA	18 V	54.0 V	32.4 W	37.3 W	313 mA	32.4 W	35.0 W	146 mA	70 °C	-10 ... +55 °C	8.33 kΩ
	650 mA	18 V	53.8 V	35.0 W	40.6 W	339 mA	35.0 W	39.9 W	156 mA	70 °C	-10 ... +55 °C	7.69 kΩ
	700 mA	18 V	50.0 V	35.0 W	40.2 W	337 mA	35.0 W	39.6 W	156 mA	70 °C	-10 ... +55 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁴⁾ Not compatible with I-select (generation 1).

⁵⁾ Output current is mean value.

⁶⁾ 5-year guarantee.

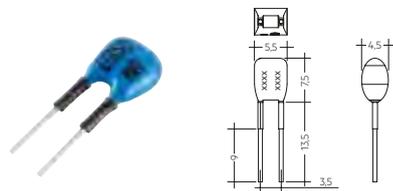
RoHS

ACCES-
SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 150MA BL	28001102	Blue	0150 mA	150 mA	33.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 175MA BL	28001103	Blue	0175 mA	175 mA	28.57 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 200MA BL	28001104	Blue	0200 mA	200 mA	25.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 225MA BL	28001105	Blue	0225 mA	225 mA	22.22 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



NEW

Driver LC 50W 350–1050mA 54V 0-10V C EXC UNV
EXCITE series (UL certified)

Product description

- Constant current LED Driver
- Dimmable via 0 ... 10 V interface
- Dimming range 1 – 100 %
- Adjustable output current between 350 and 1,050 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 50 W
- Up to 90.6 % efficiency
- Class 2
- Class P
- FCC 15
- UL certified
- Only for US applications
- Up to 100,000 hrs lifetime
- 5-year guarantee

Properties

- Casing: metal, white
- Type of protection IP20
- Dry and damp location

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Dimmable via 0 ... 10 V interface
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)

Benefits

- Operating windows for maximum compatibility
- Added energy savings with dimming via 0 ... 10 V interface
- Configurable via ready2mains and I-select 2
- Tailor your dimming response with either Linear or Logarithmic Dimming Curves

Typical applications

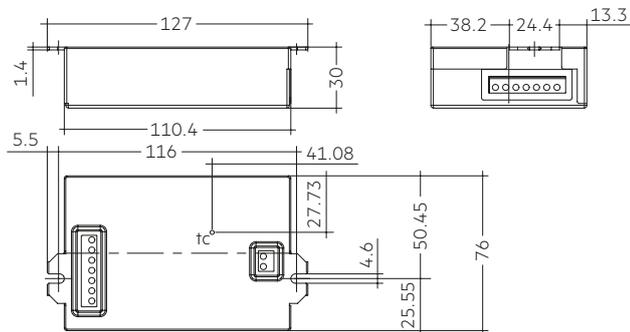
- For linear/area lighting in office, education, healthcare, and general lighting applications

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	120 – 277 V
AC voltage range	108 – 305 V
Mains frequency	50 / 60 Hz
Typ. current (at 120 V, 60 Hz, full load) ^{1) 2)}	478 mA
Typ. current (at 277 V, 60 Hz, full load) ^{1) 2)}	213 mA
Leakage current (at 120 V, 60 Hz, full load) ^{1) 2)}	< 700 µA
Leakage current (at 277 V, 60 Hz, full load) ^{1) 2)}	< 700 µA
Max. input power (at 120 V, 60 Hz, full load)	57.2 W
Max. input power (at 277 V, 60 Hz, full load)	55.9 W
Typ. efficiency (at 120 V, 60 Hz, full load) ²⁾	88.4 %
Typ. efficiency (at 277 V, 60 Hz, full load) ²⁾	90.2 %
λ (at 120 V, 60 Hz, full load) ¹⁾	0.99
λ (at 277 V, 60 Hz, full load) ¹⁾	0.94C
Typ. input current in no-load operation (at 120 V, 60 Hz)	16 mA
Typ. input current in no-load operation (at 277 V, 60 Hz)	30 mA
Typ. input power in no-load operation (at 120 V, 60 Hz)	0.5 W
Typ. input power in no-load operation (at 277 V, 60 Hz)	0.6 W
In-rush current (peak / duration at 120 V)	27.28 A / 197 µs
In-rush current (peak / duration at 277 V)	60.56 A / 161 µs
THD (at 120 V, 60 Hz, full load) ¹⁾	< 10 %
THD (at 277 V, 60 Hz, full load) ¹⁾	< 15 %
Starting time (full load) ¹⁾	≤ 700 ms
Turn off time (full load)	< 30 ms
Hold time (power failure, full load)	< 20 ms
Output current tolerance ^{1) 2)}	± 5 %
Max. output current peak (non-repetitive)	± output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage	60 V
Dimming range	1 – 100 %
Mains surge capability (between L - N)	2.5 kV
Mains surge capability (between L/N - PE)	2.5 kV
Surge voltage at output side (against PE)	500 V
Dimensions L x W x H	127 x 76 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 50/350-1050/54 0-10V C EXC UNV	87500684	15 pc(s).	360 pc(s).	1,800 pc(s).	0.331 kg

Specific technical data

Type	Output current ¹⁾²⁾	Min. forward voltage	Max. forward voltage	Max. output power (at 120 V, 60 Hz, full load)	Typ. power consumption (at 120 V, 60 Hz, full load)	Typ. current consumption (at 120 V, 60 Hz, full load)	Max. output power (at 277 V, 60 Hz, full load)	Typ. power consumption (at 277 V, 60 Hz, full load)	Typ. current consumption (at 277 V, 60 Hz, full load)	tc temperature ⁶⁾	Ambient temperature ta max.	I-select 2 resistor value ⁴⁾
LC 50/350-1050/54 0-10V C EXC UNV	350 mA	18 V	54.0 V	18.9 W	23.3 W	202 mA	18.9 W	23.5 W	110 mA	75 °C	-10 ... +55 °C	open
	400 mA	18 V	54.0 V	21.6 W	26.2 W	224 mA	21.6 W	26.2 W	117 mA	75 °C	-10 ... +55 °C	12.50 kΩ
	450 mA	18 V	54.0 V	24.3 W	29.1 W	248 mA	24.3 W	29.0 W	125 mA	75 °C	-10 ... +55 °C	11.11 kΩ
	500 mA	18 V	54.0 V	27.0 W	32.2 W	273 mA	27.0 W	32.1 W	134 mA	75 °C	-10 ... +55 °C	10.00 kΩ
	550 mA	18 V	54.0 V	29.7 W	34.8 W	293 mA	29.7 W	34.7 W	143 mA	75 °C	-10 ... +55 °C	9.09 kΩ
	600 mA	18 V	54.0 V	32.4 W	38.0 W	320 mA	32.4 W	37.8 W	153 mA	75 °C	-10 ... +55 °C	8.33 kΩ
	650 mA	18 V	54.0 V	35.1 W	40.7 W	342 mA	35.1 W	40.2 W	160 mA	75 °C	-10 ... +55 °C	7.69 kΩ
	700 mA	18 V	54.0 V	37.8 W	43.2 W	362 mA	37.8 W	42.9 W	169 mA	75 °C	-10 ... +55 °C	7.14 kΩ
	750 mA	18 V	54.0 V	40.5 W	46.6 W	390 mA	40.5 W	45.7 W	178 mA	75 °C	-10 ... +55 °C	6.67 kΩ
	800 mA	18 V	54.0 V	43.2 W	49.1 W	410 mA	43.2 W	48.3 W	187 mA	75 °C	-10 ... +55 °C	6.25 kΩ
	850 mA	18 V	54.0 V	45.9 W	51.8 W	433 mA	45.9 W	51.3 W	197 mA	75 °C	-10 ... +55 °C	5.88 kΩ
	900 mA	18 V	54.0 V	48.6 W	54.9 W	458 mA	48.6 W	54.0 W	207 mA	75 °C	-10 ... +55 °C	5.56 kΩ
	950 mA	18 V	52.6 V	50.0 W	56.4 W	471 mA	50.0 W	55.3 W	211 mA	75 °C	-10 ... +55 °C	5.26 kΩ
	1000 mA	18 V	50.0 V	50.0 W	56.2 W	466 mA	50.0 W	55.3 W	211 mA	75 °C	-10 ... +55 °C	5.00 kΩ
	1050 mA	18 V	47.6 V	50.0 W	56.2 W	468 mA	50.0 W	54.9 W	210 mA	75 °C	-10 ... +55 °C	short circuit (∞ Ω)

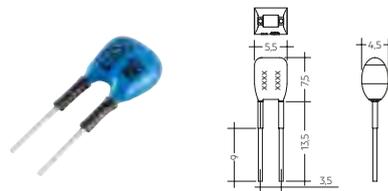
¹⁾ Valid at 100 % dimming level.
²⁾ Depending on the selected output current.
³⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.
⁴⁾ Not compatible with I-select (generation 1).
⁵⁾ Output current is mean value.
⁶⁾ 5-year guarantee.

RoHS

ACCESSORIES
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Driver LCA 10W 450mA phase-cut 22mm SR ADV
ADVANCED series

Product description

- Dimmable constant current LED Driver (SELV)
- Independent driver with strain-relief housing
- Extra flat housing for constrained installation conditions (small ceiling cut outs and low ceiling voids)
- Max. output power 10 W
- Output current 450 mA
- Dimmable via trailing edge phase dimmers
- Dimming range 5–100% (depending on dimmer)
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Nominal life-time up to 50,000 h
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20
- Push-in terminals
- 2 separate strain-relief parts for input and output cables with highly robust clamps

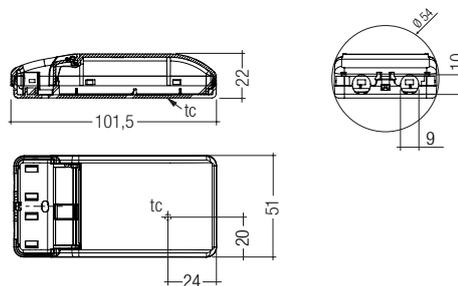
Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - No output current overshoot at mains on/off
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Power factor at full load ¹⁾	0.9C
Power factor at min. load ¹⁾	0.9C
Mains frequency	50 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
THD (at 230 V, 50 Hz, min. load)	< 20 %
Output current tolerance (at 230 V, 50 Hz, full load) ²⁾	± 7.5 %
Output current tolerance (at 230 V, 50 Hz, min. load) ²⁾	± 7.5 %
Typ. output LF current ripple at full load	± 30 %
Starting time (at 230 V, 50 Hz, full load)	± 0.7 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.7 s
Hold on time at power failure	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	50 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	101.5 x 51 x 22 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCA 10W 450mA phase-cut 22mm SR ADV	87500406	20 pc(s).	380 pc(s).	3,420 pc(s).	0.079 kg

Specific technical data

Type	Output current ²⁾	Typ. rated current (at 230 V, 50 Hz, full load)	Max. input power	Output power	Efficiency at full load ¹⁾	Efficiency at min. load ¹⁾	Min. output voltage ¹⁾	Max. output voltage ¹⁾ (no-load voltage)	Max. output voltage (no-load voltage)	Max. peak output current	Max. casing temperature tc
LCA 10W 450mA phase-cut 22mm SR ADV	450 mA	0.055 A	12.5 W	6.75 – 10.00 W	80 %	76 %	15 V	22 V	35 V	660 mA	85 °C

¹⁾ Test result at 230 V, 50 Hz without dimmer connected.

²⁾ Output current is mean value.



Driver LCA 18W 450mA phase-cut 22mm SR ADV
ADVANCED series

Product description

- Dimmable constant current LED Driver (SELV)
- Independent driver with strain-relief housing
- Extra flat housing for constrained installation conditions (small ceiling cut outs and low ceiling voids)
- Max. output power 18 W
- Output current 450 mA
- Dimmable via trailing edge phase dimmers
- Dimming range 5–100 % (depending on dimmer)
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Nominal life-time up to 50,000 h
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20
- Push-in terminals
- 2 separate strain-relief parts for input and output cables with highly robust clamps

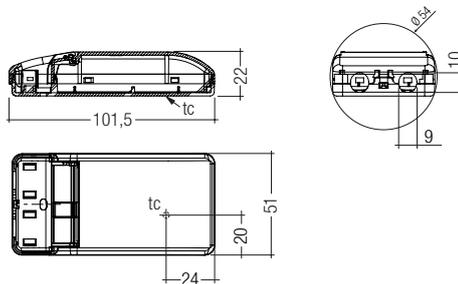
Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - No output current overshoot at mains on/off
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Power factor at full load ¹⁾	0.9C
Power factor at min. load ¹⁾	0.9C
Mains frequency	50 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
THD (at 230 V, 50 Hz, min. load)	< 20 %
Output current tolerance (at 230 V, 50 Hz, full load) ²⁾	± 7.5 %
Output current tolerance (at 230 V, 50 Hz, min. load) ²⁾	± 7.5 %
Typ. output LF current ripple at full load	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Hold on time at power failure	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	50 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	101.5 x 51 x 22 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCA 18W 450mA phase-cut 22mm SR ADV	87500407	20 pc(s).	380 pc(s).	3,420 pc(s).	0.079 kg

Specific technical data

Type	Output current ²⁾	Typ. rated current (at 230 V, 50 Hz, full load)	Max. input power	Output power	Efficiency at full load ¹⁾	Efficiency at min. load ¹⁾	Min. output voltage ¹⁾	Max. output voltage ¹⁾	Max. output voltage (no-load voltage)	Max. peak output current	Max. casing temperature t_c
LCA 18W 450mA phase-cut 22mm SR ADV	450 mA	0.095 A	22.5 W	13.50 – 17.55 W	80 %	80 %	30 V	39 V	50 V	660 mA	85 °C

¹⁾ Test result at 230 V, 50 Hz without dimmer connected.

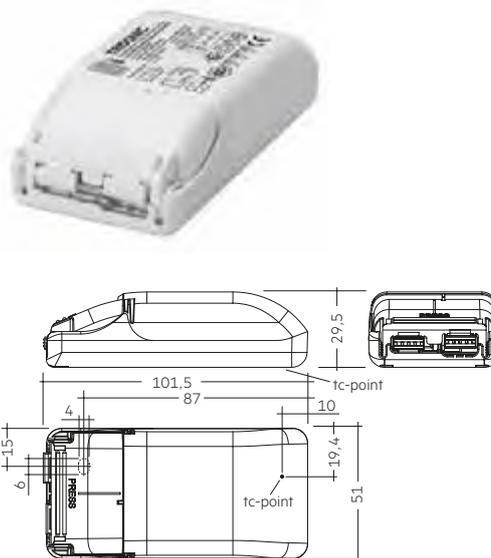
²⁾ Output current is mean value.



Driver LCA 15W 180-350mA flexC PH-C SR ADV
ADVANCED series

Product description

- Dimmable constant current LED Driver (SELV)
- Independent LED Driver with cable clamps
- Selectable output current between 180, 250 and 350 mA
- Max. output power 15 W
- Up to 81 % efficiency
- Dimmable via leading edge and trailing edge phase dimmers
- Dimming range 5 to 100 % (depending on dimmer)
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee



Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- Terminal blocks: 0° screw terminals

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- Overtemperature protection
- Burst protection voltage 1 kV
- Surge protection voltage 1 kV (L to N)
- Surge protection voltage 2 kV (L/N to earth)

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Max. input current (at 230 V, 50 Hz, full load)	0.08 A
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Mains frequency	50 Hz
Overvoltage protection	320 V AC, 1 h
Max. input power	19 W
Typ. power consumption (at 230 V, 50 Hz, full load) ¹⁾	17.8 W
Min. output power	5 W
Max. output power	15 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	81 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ^{1) 2)}	± 7.5 %
Output current	+ 43 %
Max. output voltage	60 V
THD (at 230 V, 50 Hz, full load)	< 10 %
Output LF current ripple (< 120 Hz)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	101.5 x 51 x 29.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCA 15W 180-350mA flexC PH-C SR ADV	87500627	20 pc(s).	280 pc(s).	3,360 pc(s).	0.085 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-out select
LCA 15W 180-350mA flexC PH-C SR ADV	180 mA	28 V	42 V	7.6 W	9.5 W	45 mA	90 °C	-20 ... +50 °C	+LED / -180mA
LCA 15W 180-350mA flexC PH-C SR ADV	250 mA	28 V	42 V	10.5 W	13.0 W	60 mA	90 °C	-20 ... +50 °C	+LED / -250mA
LCA 15W 180-350mA flexC PH-C SR ADV	350 mA	28 V	42 V	15.0 W	17.8 W	80 mA	90 °C	-20 ... +50 °C	+LED / -350mA

¹⁾ Test result at 350 mA.

²⁾ Output current is mean value.

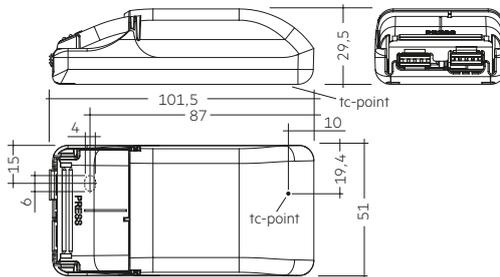
³⁾ Test result at 25 °C.



Driver LCA 21W 300-500mA flexC PH-C SR ADV
ADVANCED series

Product description

- Dimmable constant current LED Driver (SELV)
- Independent LED Driver with cable clamps
- Selectable output current between 300, 450 and 500 mA
- Max. output power 21 W
- Up to 82 % efficiency
- Dimmable via leading edge and trailing edge phase dimmers
- Dimming range 5 to 100 % (depending on dimmer)
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee



Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- Terminal blocks: 0° screw terminals

Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - Overtemperature protection
 - Burst protection voltage 1 kV
 - Surge protection voltage 1 kV (L to N)
 - Surge protection voltage 2 kV (L/N to earth)
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Max. input current (at 230 V, 50 Hz, full load)	0.11 A
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Mains frequency	50 Hz
Overvoltage protection	320 V AC, 1 h
Max. input power	26 W
Typ. power consumption (at 230 V, 50 Hz, full load) ¹⁾	25 W
Min. output power	8.4 W
Max. output power	21 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	82 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ^{1) 2)}	± 7.5 %
Output current	+ 40 %
Max. output voltage	60 V
THD (at 230 V, 50 Hz, full load)	< 10 %
Output LF current ripple (< 120 Hz)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	101.5 x 51 x 29.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCA 21W 300-500mA flexC PH-C SR ADV	87500603	20 pc(s).	280 pc(s).	3,360 pc(s).	0.093 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-out select
LCA 21W 300-500mA flexC PH-C SR ADV	300 mA	28 V	42 V	12.6 W	15.0 W	67 mA	90 °C	-20 ... +50 °C	+LED / -300mA
LCA 21W 300-500mA flexC PH-C SR ADV	450 mA	28 V	42 V	18.9 W	22.5 W	100 mA	90 °C	-20 ... +50 °C	+LED / -450mA
LCA 21W 300-500mA flexC PH-C SR ADV	500 mA	28 V	42 V	21.0 W	25.0 W	110 mA	90 °C	-20 ... +50 °C	+LED / -500mA

¹⁾ Test result at 500 mA.
²⁾ Output current is mean value.
³⁾ Test result at 25 °C.



Driver LCA 44W 700-1050mA flexC PH-C SR ADV
ADVANCED series

Product description

- Dimmable constant current LED Driver (SELV)
- Independent LED Driver with cable clamps
- Selectable output current between 700 and 1,050 mA
- Max. output power 44 W
- Up to 87 % efficiency
- Dimmable via leading edge and trailing edge phase dimmers
- Dimming range 5 to 100 % (depending on dimmer)
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- Terminal blocks: 0° screw terminals

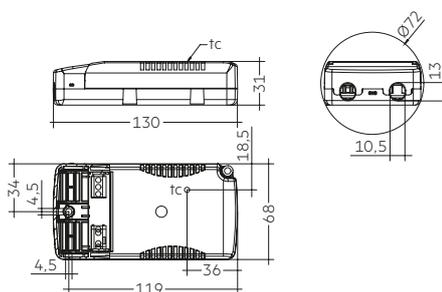
Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - Overtemperature protection
 - Burst protection voltage 1 kV
 - Surge protection voltage 1 kV (L to N)
 - Surge protection voltage 2 kV (L/N to earth)
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Max. input current (at 230 V, 50 Hz, full load)	0.22 A
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Mains frequency	50 Hz
Overvoltage protection	320 V AC, 1 h
Max. input power	53 W
Typ. power consumption (at 230 V, 50 Hz, full load) ¹⁾	50 W
Min. output power	18 W
Max. output power	44 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	87 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current tolerance ^{1) 2)}	± 7.5 %
Output current	+ 43 %
Max. output voltage	60 V
THD (at 230 V, 50 Hz, full load)	< 15 %
Output LF current ripple (< 120 Hz)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	± 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	130 x 68 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCA 44W 700-1050mA flexC PH-C SR ADV	87500605	30 pc(s).	390 pc(s).	1.950 pc(s).	0.175 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-out select
LCA 44W 700-1050mA flexC PH-C SR ADV	700 mA	28 V	42 V	30 W	34 W	150 mA	75 °C	-20 ... +50 °C	+LED / -700mA
LCA 44W 700-1050mA flexC PH-C SR ADV	1,050 mA	28 V	42 V	44 W	50 W	220 mA	80 °C	-20 ... +50 °C	+LED / -1050mA

¹⁾ Test result at 1,050 mA.

²⁾ Output current is mean value.

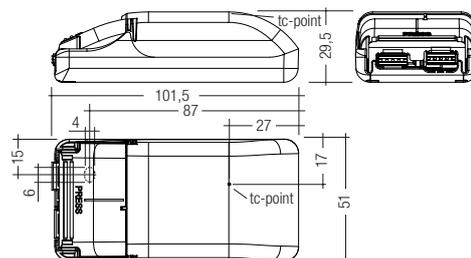
³⁾ Test result at 25 °C.



Driver LCBI 10W 180/350/500mA PHASE-CUT/1-10V SR
ADVANCED series

Product description

- Independent dimmable LED Driver
- Constant current LED Driver
- Output current 180, 350 or 500 mA
- Output power 10 W
- Nominal life-time up to 50,000 h
- SELV
- Dimmable via leading edge and trailing edge phase dimmers
- Dimmable via 1...10 V
- Output dimmed analogue (current amplitude)
- Dimming range typ. 10–100 % (depending on dimmer)
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee



Properties

- Casing: polycarbonate, white
- Type of protection IP20
- Screw terminal

Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - No output current overshoot at mains on/off
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Typ. rated current (at 230 V, 50 Hz, full load)	0.058 A
Power factor at full load ¹⁾	0.95
Power factor at min. load ¹⁾	0.9
Mains frequency	50 Hz
Max. input power	13 W
Output power	5 – 10 W
THD (at 230 V, 50 Hz, full load)	< 20 %
THD (at 230 V, 50 Hz, min. load)	< 20 %
Control input ²⁾	1.10 V, potentiometer 200 kΩ
Output current tolerance (at 230 V, 50 Hz, full load) ³⁾	± 7.5 %
Output current tolerance (at 230 V, 50 Hz, min. load) ³⁾	± 10 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature <i>t</i> _a	-20 ... +40 °C
Ambient temperature <i>t</i> _a (at life-time 50,000 h)	40 °C
Max. casing temperature <i>t</i> _c	60 °C
Storage temperature <i>t</i> _s	-40 ... +80 °C
Dimensions L x W x H	101.5 x 51 x 29.5 mm

Ordering data

Type	Article number	Packaging carton	Packaging pallet	Packaging high volume	Weight per pc.
LCBI 10W 180mA PHASE-CUT/1-10 V SR	87500273	20 pc(s).	280 pc(s).	3,360 pc(s).	0.088 kg
LCBI 10W 350mA PHASE-CUT/1-10 V SR	87500274	20 pc(s).	280 pc(s).	3,360 pc(s).	0.086 kg
LCBI 10W 500mA PHASE-CUT/1-10 V SR	87500275	20 pc(s).	280 pc(s).	3,360 pc(s).	0.085 kg

Specific technical data

Type	Output current ³⁾	Efficiency at full load ¹⁾	Efficiency at min. load ¹⁾	Min. output voltage ¹⁾	Max. output voltage ¹⁾	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load	Max. repetitive output peak current at min. load	Max. non-repetitive output peak current at full load	Max. non-repetitive output peak current at min. load	Typical ripple current at full load
LCBI 10W 180mA PHASE-CUT/1-10 V SR	180 mA	77 %	72 %	28 V	56 V	65 V	270 mA	320 mA	270 mA	320 mA	± 25 %
LCBI 10W 350mA PHASE-CUT/1-10 V SR	350 mA	76 %	72 %	14 V	28 V	45 V	510 mA	620 mA	580 mA	620 mA	± 30 %
LCBI 10W 500mA PHASE-CUT/1-10 V SR	500 mA	74 %	70 %	10 V	20 V	35 V	760 mA	890 mA	760 mA	890 mA	± 35 %

¹⁾ Test result at 230 V, 50 Hz without dimmer connected.

²⁾ 1.10 V DC source with double or reinforced insulation with respect to AC mains. Max. source current: 01 mA. Suitable for passiv and active control.

³⁾ Output current is mean value.



Driver LCBI 10W 180/350/500mA PHASE-CUT/1-10V LP
ADVANCED series

Product description

- Independent dimmable LED Driver
- Constant current LED Driver
- Output current 180, 350 or 500 mA
- Output power 10 W
- Nominal life-time up to 50,000 h
- SELV
- Dimmable via leading edge and trailing edge phase dimmers
- Dimmable via 1..10 V
- Output dimmed analogue (current amplitude)
- Dimming range typ. 10–100 % (depending on dimmer)
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20
- Push-in terminals

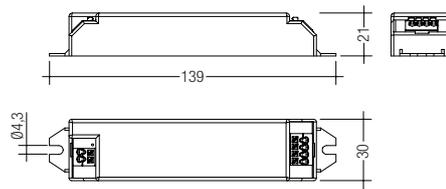
Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
 - No output current overshoot at mains on/off
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Typ. rated current (at 230 V, 50 Hz, full load)	0.058 A
Power factor at full load ¹⁾	0.95
Power factor at min. load ¹⁾	0.9
Mains frequency	50 Hz
Max. input power	13 W
Output power	5 – 10 W
THD (at 230 V, 50 Hz, full load)	< 20 %
THD (at 230 V, 50 Hz, min. load)	< 20 %
Control input ²⁾	1..10 V, potentiometer 200 kΩ
Output current tolerance (at 230 V, 50 Hz, full load) ³⁾	± 7.5 %
Output current tolerance (at 230 V, 50 Hz, min. load) ³⁾	± 10 %
Typ. ripple current (at 230 V, 50 Hz, full load)	± 40 %
Starting time (at 230 V, 50 Hz, full load)	≅ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≅ 0.2 s
Hold on time at power failure	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	50 °C
Max. casing temperature tc	65 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	139 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Packaging, high volume	Weight per pc.
LCBI 10W 180mA PHASE-CUT/1-10V LP	87500282	30 pc(s).	960 pc(s).	6,720 pc(s).	0.064 kg
LCBI 10W 350mA PHASE-CUT/1-10V LP	87500283	30 pc(s).	960 pc(s).	6,720 pc(s).	0.062 kg
LCBI 10W 500mA PHASE-CUT/1-10V LP	87500284	30 pc(s).	960 pc(s).	6,720 pc(s).	0.064 kg

Specific technical data

Type	Output current ³⁾	Efficiency at full load ¹⁾	Efficiency at min. load ¹⁾	Min. output voltage ¹⁾	Max. output voltage ¹⁾	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load	Max. repetitive output peak current at min. load	Max. non-repetitive output peak current at full load	Max. non-repetitive output peak current at min. load
LCBI 10W 180mA PHASE-CUT/1-10V LP	180 mA	79 %	78 %	28 V	56 V	65 V	260 mA	310 mA	260 mA	310 mA
LCBI 10W 350mA PHASE-CUT/1-10V LP	350 mA	78 %	75 %	14 V	28 V	45 V	500 mA	570 mA	500 mA	570 mA
LCBI 10W 500mA PHASE-CUT/1-10V LP	500 mA	77 %	73 %	10 V	20 V	35 V	740 mA	870 mA	740 mA	870 mA

¹⁾ Test result at 230 V, 50 Hz without dimmer connected.

²⁾ 1..10 V DC source with double or reinforced insulation with respect to AC mains. Max. source current: 0.1 mA. Suitable for passiv and active control.

³⁾ Output current is mean value.

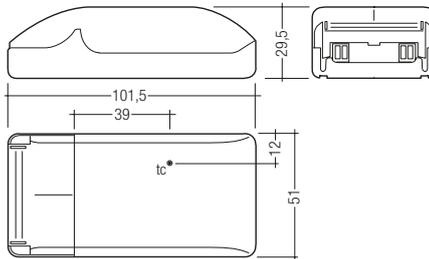
IP20 SELV 
 Ene CE RoHS



Driver LCBI 15W 350/500/700mA BASIC PH-CUT SR ADV
 ADVANCED series

Product description

- Dimmable via leading-edge and trailing-edge phase dimmers
- Nominal life-time of 60,000 h (at max ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 350, 500 or 700 mA output current
- Screw terminals
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Output power 14/15 W
- SELV
- Type of protection IP20
- Output dimmed analogue (current amplitude)
- Dimming range typ. 5–100 % (depending on dimmer)
- Potted version



Properties

- Casing: polycarbonate, white
- Compact dimensions

Functions

- Overload protection
 - Short-circuit protection
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.09 A
Power factor at full load ¹⁾	0.99
Power factor at min. load ¹⁾	0.95
Output current tolerance at full load ^{2) 3) 5)}	± 7.5 %
Typical ripple current (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life-time 60,000 h)	50 °C
Max. casing temperature tc	75 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	102 x 51 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Packaging, high volume	Weight per pc.
LCBI 15W 350mA BASIC PH-CUT SR ADV	87500386	20 pc(s).	440 pc(s).	2,200 pc(s).	0.170 kg
LCBI 15W 500mA BASIC PH-CUT SR ADV	87500320	20 pc(s).	440 pc(s).	2,200 pc(s).	0.167 kg
LCBI 14W 700mA BASIC PH-CUT SR ADV	87500387	20 pc(s).	440 pc(s).	2,200 pc(s).	0.170 kg

Specific technical data

Type	Output current ⁵⁾	Efficiency at full load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage ⁴⁾	Max. input power	Max. output power	Max. peak output current at full load ^{1) 2)}	Max. peak output current at min. load ^{1) 2)}
LCBI 15W 350mA BASIC PH-CUT SR ADV	350 mA	78 %	76 %	21.0 V	42 V	55 V	19 W	15 W	540 mA	760 mA
LCBI 15W 500mA BASIC PH-CUT SR ADV	500 mA	77 %	75 %	13.5 V	30 V	34 V	20 W	15 W	780 mA	1,030 mA
LCBI 14W 700mA BASIC PH-CUT SR ADV	700 mA	76 %	74 %	10.0 V	20 V	26 V	19 W	14 W	1,240 mA	1,580 mA

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current tolerance at full load is max. 10 % and the tolerance for min. load is depend on the typical rated current.

⁴⁾ At failure mode.

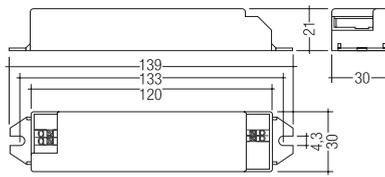
⁵⁾ Output current is mean value.



Driver LCBI 15W 350/500/700mA BASIC phase-cut Ip
ADVANCED series

Product description

- Dimmable via leading-edge and trailing-edge phase dimmers
- Nominal life-time of 50,000 h (at max ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 350, 500 or 700 mA output current
- Push-in terminals
- Connecting cable, wire cross-section 0.5 – 1.5 mm²
- Output power 15/16 W
- SELV
- Type of protection IP20
- Output dimmed analogue (current amplitude)
- Dimming range typ. 5–100 % (depending on dimmer)



Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.1 A
Power factor at full load ¹⁾	0.99
Power factor at min. load ¹⁾	0.97
Output current tolerance ⁵⁾	± 7.5 %
Output current tolerance at full load ^{2) 3) 5)}	± 7.5 %
Typical ripple current at full load	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-25 ... +50 °C
Max. casing temperature tc	85 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	139 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCBI 15W 350mA BASIC Ip	89800255	25 pc(s).	1,200 pc(s).	0.053 kg
LCBI 15W 500mA BASIC Ip	89800256	25 pc(s).	600 pc(s).	0.053 kg
LCBI 15W 700mA BASIC Ip	89800257	25 pc(s).	600 pc(s).	0.053 kg

Specific technical data

Type	Output current ⁵⁾	Efficiency at full load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage ⁵⁾	Max. input power	Max. output power	Max. repetitive output peak current at full load ^{1) 2)}	Max. repetitive output peak current at min. load ^{1) 2)}	Max. non-repetitive output peak current at full load ^{1) 2)}	Max. non-repetitive output peak current at min. load ^{1) 2)}
LCBI 15W 350mA BASIC Ip	350 mA	78 %	76 %	21.0 V	46.0 V	51 V	21 W	15 W	540 mA	720 mA	540 mA	720 mA
LCBI 15W 500mA BASIC Ip	500 mA	77 %	75 %	13.5 V	30.0 V	34 V	20 W	15 W	840 mA	1,040 mA	840 mA	1,040 mA
LCBI 15W 700mA BASIC Ip	700 mA	76 %	74 %	10.0 V	21.5 V	24 V	20 W	15 W	1,280 mA	1,640 mA	1,280 mA	1,640 mA

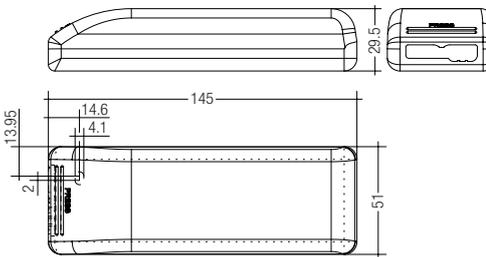
¹⁾ Test result at 230 V, 50 Hz.
²⁾ The trend between min. and full load is linear.
³⁾ Output current tolerance at min. load max. 22 %.
⁴⁾ At failure mode.
⁵⁾ Output current is mean value.



Driver LCBI 25W 700mA BASIC phase-cut SR
ADVANCED series

Product description

- Dimmable via leading-edge and trailing-edge phase dimmers
- Nominal life-time of 50,000 h (at max ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 700 mA output current
- Screw terminals
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Output power 25 W
- SELV
- Type of protection IP20
- Output dimmed analogue (current amplitude)
- Dimming range typ. 5–100 % (depending on dimmer)
- Potted version



Properties

- Casing: polycarbonate, white
- Compact dimensions

Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.13 A
Power factor at full load ¹⁾	0.99
Power factor at min. load ¹⁾	0.97
Output current tolerance ⁵⁾	± 7.5 %
Output current tolerance at full load ^{2) 3) 5)}	± 7.5 %
Typical ripple current at full load	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	50 °C
Max. casing temperature tc	75 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	145 x 51 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCBI 25W 700mA BASIC phase-cut SR	89800307	10 pc(s).	600 pc(s).	0.115 kg

Specific technical data

Type	Output current ⁵⁾	Efficiency at full load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output voltage ⁴⁾	Max. input power	Max. output power	Max. repetitive output peak current at full load ^{1) 2)}	Max. repetitive output peak current at min. load ^{1) 2)}	Max. non-repetitive output peak current at full load ^{1) 2)}	Max. non-repetitive output peak current at min. load ^{1) 2)}
LCBI 25W 700mA BASIC phase-cut SR	700 mA	83 %	82 %	16 V	35 V	39 V	30 W	25 W	950 mA	1,180 mA	950 mA	1,180 mA

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current tolerance at min. load max. 22 %.

⁴⁾ At failure mode.

⁵⁾ Output current is mean value.



Driver LCBU 10W 12V BASIC phase-cut SR
ADVANCED series

Product description

- Dimmable via leading-edge and trailing-edge phase dimmers
- Nominal life-time of 50,000 h (at max ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 12 V DC output voltage
- Screw terminals
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Output power 10 W
- SELV
- Type of protection IP20
- Dimming range typ. 5–100 % (depending on dimmer)

Properties

- Casing: polycarbonate, white
- Compact dimensions

Functions

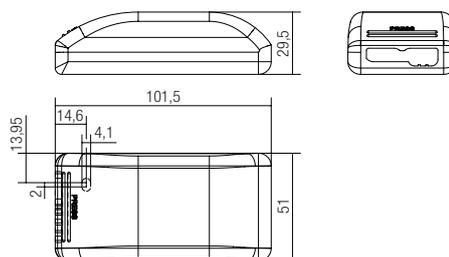
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.06 A
Typical ripple voltage at full load	± 7 %
Power factor at full load ¹⁾	0.9
Power factor at min. load ¹⁾	0.7
Starting time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	50 °C
Max. casing temperature tc	75 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	102 x 51 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCBU 10W 12V BASIC phase-cut SR	89800289	20 pc(s).	1,000 pc(s).	0.065 kg

Specific technical data

Type	Output current ²⁾	Efficiency at full load ¹⁾	Efficiency at min. load ¹⁾	Output voltage DC	Max. output voltage DC	Max. input power	Output power
LCBU 10W 12V BASIC phase-cut SR	0.83 A	77 %	65 %	11 – 15 V	15 V	13 W	3 – 10 W

¹⁾ Test result at 230 V, 50 Hz.

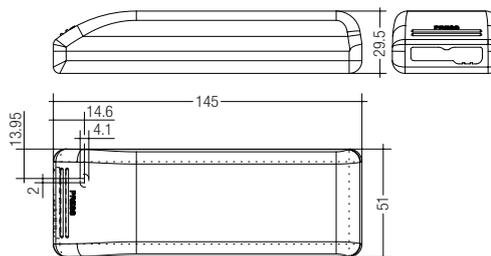
²⁾ Output current is mean value.



Driver LCBU 25W 12V BASIC phase-cut SR
ADVANCED series

Product description

- Dimmable via leading-edge and trailing-edge phase dimmers
- Nominal life-time of 50,000 h (at max ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 12 V DC output voltage
- Screw terminals
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Output power 25 W
- SELV
- Type of protection IP20
- Dimming range typ. 5–100 % (depending on dimmer)



Properties

- Casing: polycarbonate, white
- Compact dimensions

Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.135 A
Power factor at full load ¹⁾	0.97
Power factor at min. load ²⁾	0.75C
Typical ripple current at full load	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	50 °C
Max. casing temperature tc	75 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	145 x 51 x 29.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCBU 25W 12V BASIC phase-cut SR	89800290	10 pc(s).	600 pc(s).	0.117 kg

Specific technical data

Type	Output current ²⁾	Efficiency at full load ¹⁾	Efficiency at min. load ¹⁾	Output voltage DC	Max. output voltage DC	Max. input power	Output power
LCBU 25W 12V BASIC phase-cut SR	2.1 A	83 %	77 %	11 – 15 V	15 V	30 W	10 – 25 W

¹⁾ Test result at 230 V, 50 Hz.
²⁾ Output current is mean value.



Driver LCI 15W 350/500/700mA stepDIM Ip
ADVANCED series

Product description

- Constant current LED Driver for luminaire installation
- Implemented stepDIM function
- 10 or 30 % dimming level settable
- Can be used with a standard motion detector (Simple CORRIDOR FUNCTION)
- Nominal life-time of 50,000 h (at max ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 350, 500 or 700 mA output current
- Push-in terminals
- Connecting cable, wire cross-section 0.5 – 1.5 mm²
- Output power 15/16/16.5 W
- SELV
- Type of protection IP20
- Output dimmed analogue (current amplitude)

Properties

- Casing: polycarbonate, white
- Compact dimensions

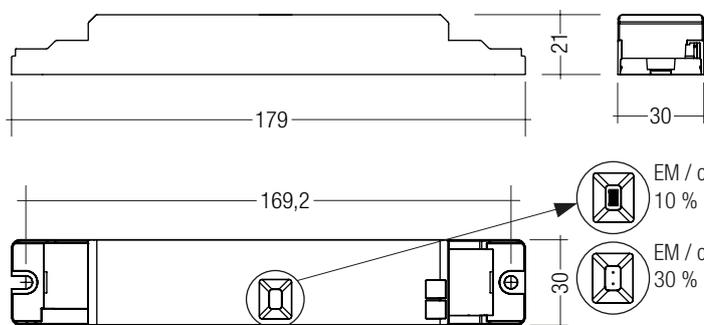
Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	198 – 264 V
Mains frequency	0 / 50 / 60 Hz
Output current tolerance (normal operation 100 %) ²⁾	± 7.5 %
Typical ripple current at full load	± 15 %
Max. repetitive output peak current	Output current + 24 %
Max. non-repetitive output peak current	Output current + 24 %
Power factor at full load ¹⁾	0.99
Power factor at min. load ¹⁾	0.97C
Starting time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	179 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 15W 350mA stepDIM Ip	89800277	10 pc(s).	800 pc(s).	0.064 kg
LCI 15W 500mA stepDIM Ip	89800278	10 pc(s).	800 pc(s).	0.066 kg
LCI 15W 700mA stepDIM Ip	89800279	10 pc(s).	800 pc(s).	0.065 kg

Specific technical data

Type	Typ. output current ²⁾	Output current tolerance	Min. forward voltage	Max. forward voltage	Typ. output power	Typ. power consumption	Typ. current consumption	tc point max.	Ambient temperature ta
Normal operation 100 % (LCI 15W 350mA)									
LCI 15W 350mA stepDIM Ip	350 mA	± 7,5 %	210 V	46.0 V	16.0 W	20.0 W	89 mA	90 °C	-25 ... +50 °C
Operation cF / EM 30 % (LCI 15W 350mA)									
LCI 15W 350mA stepDIM Ip	105 mA	± 25 %	210 V	46.0 V	4.8 W	6.2 W	60 mA	90 °C	-25 ... +50 °C
Operation cF / EM 10 % (LCI 15W 350mA)									
LCI 15W 350mA stepDIM Ip	35 mA	± 25 %	210 V	46.0 V	1.6 W	2.7 W	19 mA	90 °C	-25 ... +50 °C
Normal operation 100 % (LCI 15W 500mA)									
LCI 15W 500mA stepDIM Ip	500 mA	± 7,5 %	135 V	33.5 V	16.5 W	20.5 W	86 mA	85 °C	-25 ... +55 °C
Operation cF / EM 30 % (LCI 15W 500mA)									
LCI 15W 500mA stepDIM Ip	150 mA	± 25 %	135 V	33.5 V	4.9 W	6.3 W	57 mA	85 °C	-25 ... +55 °C
Operation cF / EM 10 % (LCI 15W 500mA)									
LCI 15W 500mA stepDIM Ip	50 mA	± 25 %	135 V	33.5 V	1.7 W	3.0 W	20 mA	85 °C	-25 ... +55 °C
Normal operation 100 % (LCI 15W 700mA)									
LCI 15W 700mA stepDIM Ip	700 mA	± 7,5 %	100 V	21.5 V	15.0 W	19.0 W	84 mA	85 °C	-25 ... +55 °C
Operation cF / EM 30 % (LCI 15W 700mA)									
LCI 15W 700mA stepDIM Ip	210 mA	± 25 %	100 V	21.5 V	4.5 W	5.8 W	51 mA	85 °C	-25 ... +55 °C
Operation cF / EM 10 % (LCI 15W 700mA)									
LCI 15W 700mA stepDIM Ip	70 mA	± 25 %	100 V	21.5 V	1.5 W	3.0 W	21 mA	85 °C	-25 ... +55 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ Output current is mean value.

IP20 SELV   
  



NEW

Driver LCA 38W 350–1050mA DT8 C PRE
Tunable White

Product description

- Dimmable built-in constant current 2-channel LED Driver with DALI DT8
- Adjustable output current between 350 and 1,050 mA via I-select 2 plugs or DALI
- Max. output power 38 W
- Up to 87 % efficiency
- Power input on stand-by < 0,25 W
- Dimming range 1 – 100 %
- Suitable for luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- one4all (DALI DT8, DSI, switchDIM, corridorFUNCTION V2)
- colourSWITCH
- Terminal blocks: 45° push terminals

Functions

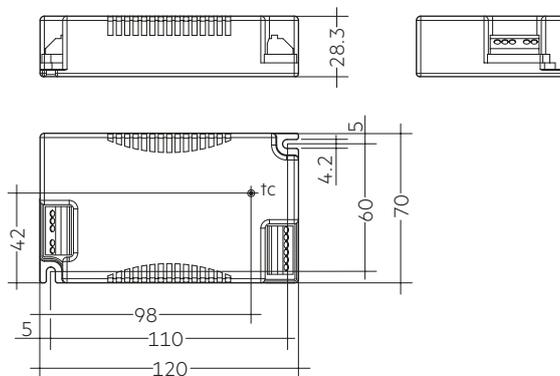
- Adjustable output current (DALI, I-select 2)
- Constant light output function (CLO)
- colourSWITCH with predefined colours
- switchDIM and colourSWITCH with memory function
- Power-up fading and fade to zero
- Configurable via DALI
- Protective features (overtemperature, short-circuit, overload, no-load, reduced surge amplification)
- Suitable for emergency lighting acc. to EN 50172

Benefits

- Application-oriented operating window for max. compatibility
- Best energy savings due to low stand-by losses
- Flexible configuration via DALI and I-select 2

Typical applications

- For spot light and downlight in retail and hospitality applications
 - Tunable White application
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 288 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	96 – 192 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	35 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 500 µA
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	87 %
λ (at 230 V, 50 Hz, full load) ³⁾	> 0.96
Typ. power input on stand-by ³⁾	< 0.25 W
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	0.5 W
In-rush current (peak / duration)	26.4 A / 224 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 20 %
Output LF current ripple (< 120 Hz)	± 2 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1 – 100 %
Colour tuning range	2,700 – 6,500 K
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	120 x 70 x 28.3 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 38W 350-1050mA DT8 C PRE	28002199	10 pc(s).	960 pc(s).	0.168 kg

Specific technical data

Type	Output current ^{4) 6)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.	I-select 2 resistor value ⁴⁾
LCA 38W 350-1050mA DT8 C PRE	350 mA	20 V	50.0 V	17.5 W	21.1 W	96 mA	80 °C	-25 ... +65 °C	open
	400 mA	20 V	50.0 V	20.0 W	23.7 W	107 mA	80 °C	-25 ... +65 °C	12.50 kΩ
	450 mA	20 V	50.0 V	22.5 W	26.4 W	119 mA	80 °C	-25 ... +65 °C	1111 kΩ
	500 mA	20 V	50.0 V	25.0 W	29.1 W	130 mA	80 °C	-25 ... +65 °C	10.00 kΩ
	550 mA	20 V	50.0 V	27.5 W	31.7 W	141 mA	80 °C	-25 ... +65 °C	9.09 kΩ
	600 mA	20 V	50.0 V	30.0 W	34.4 W	152 mA	80 °C	-25 ... +65 °C	8.33 kΩ
	650 mA	20 V	50.0 V	32.5 W	37.0 W	164 mA	80 °C	-25 ... +60 °C	7.69 kΩ
	700 mA	20 V	50.0 V	35.0 W	39.9 W	176 mA	80 °C	-25 ... +60 °C	7.14 kΩ
	750 mA	20 V	50.0 V	37.5 W	42.5 W	187 mA	80 °C	-25 ... +60 °C	6.67 kΩ
	800 mA	20 V	50.0 V	38.0 W	42.9 W	189 mA	80 °C	-25 ... +60 °C	6.25 kΩ
	850 mA	20 V	50.0 V	38.0 W	43.1 W	190 mA	80 °C	-25 ... +60 °C	5.88 kΩ
	900 mA	20 V	50.0 V	38.0 W	43.3 W	191 mA	80 °C	-25 ... +60 °C	5.56 kΩ
	950 mA	20 V	50.0 V	38.0 W	43.4 W	191 mA	80 °C	-25 ... +55 °C	5.26 kΩ
	1,000 mA	20 V	50.0 V	38.0 W	43.4 W	191 mA	80 °C	-25 ... +55 °C	5.00 kΩ
	1,050 mA	20 V	36.2 V	38.0 W	43.6 W	192 mA	80 °C	-25 ... +55 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁵⁾ Not compatible with I-select (generation 1).

⁶⁾ Output current is mean value.

RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)

Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg

IP20 SELV   
  



NEW

Driver LCA 38W 350–1050mA DT8 SR PRE
Tunable White

Product description

- Independent dimmable constant current 2-channel LED Driver with DALI DT8
- Adjustable output current between 350 and 1,050 mA via I-select 2 plugs or DALI
- Max. output power 38 W
- Up to 87 % efficiency
- Power input on stand-by < 0.25 W
- Dimming range 1 – 100 %
- Suitable for luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, black
- Type of protection IP20
- Strain relief with loop through function

Interfaces

- one4all (DALI DT8, DSI, switchDIM, corridorFUNCTION V2)
- colourSWITCH
- Terminal blocks: 45° push terminals

Functions

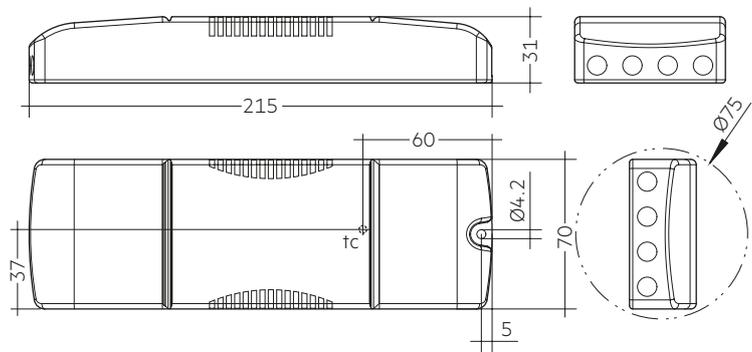
- Adjustable output current (DALI, I-select 2)
- Constant light output function (CLO)
- colourSWITCH with predefined colours
- switchDIM and colourSWITCH with memory function
- Power-up fading and fade to zero
- Configurable via DALI
- Protective features (overtemperature, short-circuit, overload, no-load, reduced surge amplification)
- Suitable for emergency lighting acc. to EN 50172

Benefits

- Application-oriented operating window for max. compatibility
- Best energy savings due to low stand-by losses

Typical applications

- For spot light and downlight in retail and hospitality applications
 - Tunable White application
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 288 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	96 – 192 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	35 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 500 µA
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	87 %
λ (at 230 V, 50 Hz, full load) ³⁾	> 0.96
Typ. power input on stand-by ³⁾	< 0.25 W
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	0.5 W
In-rush current (peak / duration)	26.4 A / 224 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ¹⁾²⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 20 %
Output LF current ripple (< 120 Hz)	± 2 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1 – 100 %
Colour tuning range	2,700 – 6,500 K
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	215 x 70 x 31 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 38W 350-1050mA DT8 SR PRE	28002202	10 pc(s).	400 pc(s).	0.206 kg

Specific technical data

Type	Output current ^{4) 6)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.	I-select 2 resistor value ⁴⁾
LCA 38W 350-1050mA DT8 SR PRE	350 mA	20 V	50.0 V	17.5 W	21.1 W	96 mA	75 °C	-25 ... +60 °C	open
	400 mA	20 V	50.0 V	20.0 W	23.7 W	107 mA	75 °C	-25 ... +55 °C	12.50 kΩ
	450 mA	20 V	50.0 V	22.5 W	26.4 W	119 mA	75 °C	-25 ... +55 °C	1111 kΩ
	500 mA	20 V	50.0 V	25.0 W	29.1 W	130 mA	75 °C	-25 ... +55 °C	10.00 kΩ
	550 mA	20 V	50.0 V	27.5 W	31.7 W	141 mA	75 °C	-25 ... +55 °C	9.09 kΩ
	600 mA	20 V	50.0 V	30.0 W	34.4 W	152 mA	75 °C	-25 ... +55 °C	8.33 kΩ
	650 mA	20 V	50.0 V	32.5 W	37.0 W	164 mA	75 °C	-25 ... +55 °C	7.69 kΩ
	700 mA	20 V	50.0 V	35.0 W	39.9 W	176 mA	75 °C	-25 ... +55 °C	7.14 kΩ
	750 mA	20 V	50.0 V	37.5 W	42.5 W	187 mA	75 °C	-25 ... +50 °C	6.67 kΩ
	800 mA	20 V	50.0 V	38.0 W	42.9 W	189 mA	75 °C	-25 ... +50 °C	6.25 kΩ
	850 mA	20 V	50.0 V	38.0 W	43.1 W	190 mA	75 °C	-25 ... +50 °C	5.88 kΩ
	900 mA	20 V	50.0 V	38.0 W	43.3 W	191 mA	75 °C	-25 ... +50 °C	5.56 kΩ
	950 mA	20 V	50.0 V	38.0 W	43.4 W	191 mA	75 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	20 V	50.0 V	38.0 W	43.4 W	191 mA	75 °C	-25 ... +50 °C	5.00 kΩ
	1,050 mA	20 V	36.2 V	38.0 W	43.6 W	192 mA	75 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁵⁾ Not compatible with I-select (generation 1).

⁶⁾ Output current is mean value.

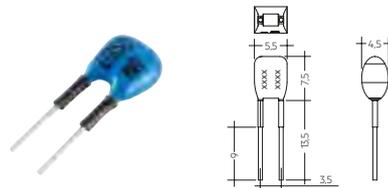
RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)

Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LCA 35W 150–700mA one4all Ip PRE

PREMIUM series SELV

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 150 – 700 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 35 W
- Up to 88 % efficiency
- Power input on stand-by < 0.2 W
- Dimming range 1–100 %
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

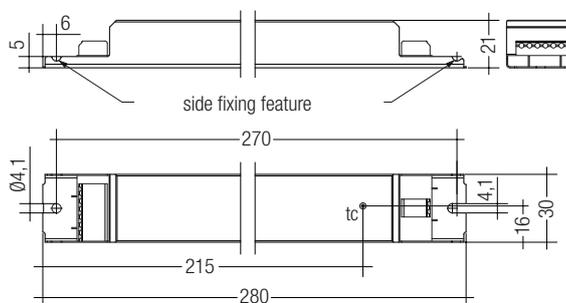
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	61 – 178 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level)	17 – 42 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 700 µA
Max. input power	42 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	88 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.97
Typ. power input on stand-by ³⁾	< 0.2 W
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	0.4 W
In-rush current (peak / duration)	136 A / 304 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.7 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 30 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	280 x 30 x 21 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 35W 150-700mA one4all Ip PRE	28000654	10 pc(s).	960 pc(s).	018 kg

Specific technical data

Type	Output current ¹⁾⁵⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ⁶⁾
LCA 35W 150-700mA one4all Ip PRE	150 mA	20 V	54 V	8.1 W	11.4 W	61 mA	75 °C	-25 ... +60 °C	open
	200 mA	20 V	54 V	10.8 W	14.3 W	72 mA	75 °C	-25 ... +60 °C	25.00 kΩ
	250 mA	20 V	54 V	13.5 W	17.1 W	84 mA	75 °C	-25 ... +60 °C	20.00 kΩ
	300 mA	20 V	54 V	16.2 W	19.8 W	93 mA	75 °C	-25 ... +60 °C	16.67 kΩ
	350 mA	20 V	54 V	18.9 W	22.7 W	105 mA	75 °C	-25 ... +60 °C	14.29 kΩ
	400 mA	20 V	54 V	21.6 W	25.6 W	116 mA	75 °C	-25 ... +60 °C	12.50 kΩ
	450 mA	20 V	54 V	24.3 W	28.5 W	129 mA	75 °C	-25 ... +60 °C	11.11 kΩ
	500 mA	20 V	54 V	27.0 W	31.6 W	142 mA	75 °C	-25 ... +60 °C	10.00 kΩ
	550 mA	20 V	54 V	29.7 W	33.9 W	152 mA	75 °C	-25 ... +60 °C	9.09 kΩ
	600 mA	20 V	54 V	32.4 W	37.0 W	165 mA	75 °C	-25 ... +65 °C	8.33 kΩ
	650 mA	20 V	54 V	35.1 W	40.3 W	179 mA	75 °C	-25 ... +65 °C	7.69 kΩ
	700 mA	20 V	50 V	35.0 W	40.2 W	178 mA	75 °C	-25 ... +60 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

RoHS

ACCES-
SORIES

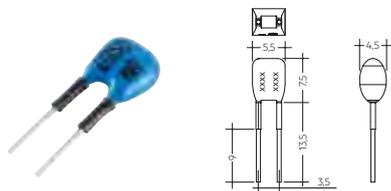
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 150MA BL	28001102	Blue	0150 mA	150 mA	33.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 200MA BL	28001104	Blue	0200 mA	200 mA	25.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LCA 50W 350–1050mA one4all Ip PRE

PREMIUM series SELV

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 350 – 1,050 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 50 W
- Up to 91 % efficiency
- Power input on stand-by < 0.15 W
- Dimming range 1–100 %
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

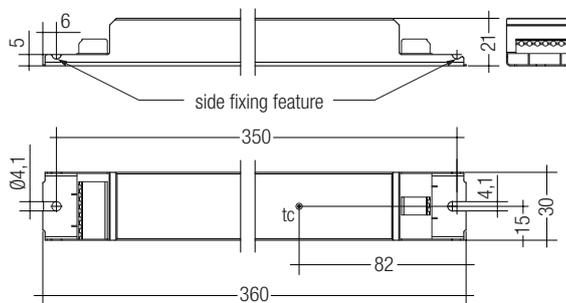
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	102 – 248 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	71.5 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 440 µA
Max. input power	56.5 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	91 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.98
Typ. power input on stand-by ³⁾	< 0.15 W
Typ. input current in no-load operation	33 mA
Typ. input power in no-load operation	0.42 W
In-rush current (peak / duration)	26.5 A / 180 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 6.1 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	360 x 30 x 21 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 50W 350-1050mA one4all Ip PRE	28000656	10 pc(s).	760 pc(s).	0.244 kg

Specific technical data

Type	Output current ¹⁾⁵⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ⁶⁾
LCA 50W 350-1050mA one4all Ip PRE	350 mA	20 V	50 V	17.5 W	20.9 W	102 mA	85 °C	-25 ... +70 °C	open
	400 mA	20 V	50 V	20.0 W	23.5 W	112 mA	85 °C	-25 ... +70 °C	12.50 kΩ
	450 mA	20 V	50 V	22.5 W	26.2 W	123 mA	85 °C	-25 ... +70 °C	11.11 kΩ
	500 mA	20 V	50 V	25.0 W	28.8 W	133 mA	85 °C	-25 ... +70 °C	10.00 kΩ
	550 mA	20 V	50 V	27.5 W	31.4 W	144 mA	85 °C	-25 ... +70 °C	9.09 kΩ
	600 mA	20 V	50 V	30.0 W	34.0 W	155 mA	85 °C	-25 ... +70 °C	8.33 kΩ
	650 mA	20 V	50 V	32.5 W	36.6 W	166 mA	85 °C	-25 ... +70 °C	7.69 kΩ
	700 mA	20 V	50 V	35.0 W	39.2 W	177 mA	85 °C	-25 ... +70 °C	7.14 kΩ
	750 mA	20 V	50 V	37.5 W	41.9 W	188 mA	80 °C	-25 ... +65 °C	6.67 kΩ
	800 mA	20 V	50 V	40.0 W	44.6 W	200 mA	80 °C	-25 ... +65 °C	6.25 kΩ
	850 mA	20 V	50 V	42.5 W	47.2 W	211 mA	80 °C	-25 ... +65 °C	5.88 kΩ
	900 mA	20 V	50 V	45.0 W	49.9 W	223 mA	80 °C	-25 ... +65 °C	5.56 kΩ
	950 mA	20 V	50 V	47.5 W	52.4 W	233 mA	80 °C	-25 ... +65 °C	5.26 kΩ
	1,000 mA	20 V	50 V	50.0 W	55.3 W	245 mA	80 °C	-25 ... +65 °C	5.00 kΩ
	1,050 mA	20 V	48 V	50.0 W	56.0 W	248 mA	80 °C	-25 ... +65 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.
²⁾ Depending on the selected output current.
³⁾ Depending on the DALI traffic at the interface.
⁴⁾ Output current is mean value.
⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.
⁶⁾ Not compatible with I-select (generation 1).

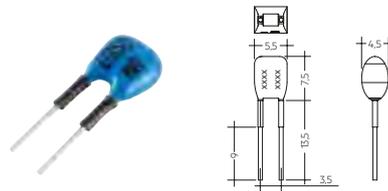
RoHS

ACCES-
SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Driver LCA 75W 900–1800mA one4all Ip PRE

PREMIUM series SELV

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 900 – 1,800 mA
- Max. output power 75 W
- Up to 91 % efficiency
- Power input on stand-by < 0,15 W
- Dimming range 1–100 %
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

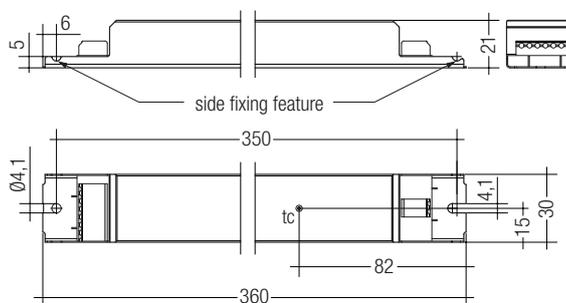
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	228 – 363 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	50 – 71 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 550 µA
Max. input power	83 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	91 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0,98
Typ. power input on stand-by ³⁾	< 0,15 W
Typ. input current in no-load operation	33 mA
Typ. input power in no-load operation	0,41 W
In-rush current (peak / duration)	319 A / 230 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 8,2 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0,6 s
Starting time (DC mode)	< 0,3 s
Switchover time (AC/DC)	< 0,3 s
Turn off time (at 230 V, 50 Hz, full load)	< 4 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	360 x 30 x 21 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 75W 900-1800mA one4all Ip PRE	28000660	10 pc(s).	760 pc(s).	0.266 kg

Specific technical data

Type	Output current ⁴⁾⁵⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ⁶⁾
LCA 75W 900-1800mA one4all Ip PRE	900 mA	20 V	50.0 V	45.0 W	50.9 W	228 mA	85 °C	-25 ... +65 °C	open
	950 mA	20 V	50.0 V	47.5 W	53.5 W	241 mA	85 °C	-25 ... +65 °C	5.26 kΩ
	1,000 mA	20 V	50.0 V	50.0 W	56.2 W	253 mA	85 °C	-25 ... +65 °C	5.00 kΩ
	1,050 mA	20 V	50.0 V	52.5 W	58.6 W	263 mA	85 °C	-25 ... +65 °C	4.76 kΩ
	1,100 mA	20 V	50.0 V	55.0 W	61.2 W	274 mA	85 °C	-25 ... +65 °C	4.55 kΩ
	1,150 mA	20 V	50.0 V	57.5 W	63.9 W	286 mA	80 °C	-25 ... +60 °C	4.35 kΩ
	1,200 mA	20 V	50.0 V	60.0 W	65.4 W	296 mA	80 °C	-25 ... +60 °C	4.17 kΩ
	1,250 mA	20 V	50.0 V	62.5 W	69.1 W	308 mA	80 °C	-25 ... +60 °C	4.00 kΩ
	1,300 mA	20 V	50.0 V	65.0 W	71.5 W	318 mA	80 °C	-25 ... +60 °C	3.85 kΩ
	1,350 mA	20 V	50.0 V	67.5 W	74.1 W	329 mA	80 °C	-25 ... +60 °C	3.70 kΩ
	1,400 mA	20 V	50.0 V	70.0 W	76.9 W	341 mA	80 °C	-25 ... +60 °C	3.57 kΩ
	1,500 mA	20 V	50.0 V	75.0 W	82.1 W	363 mA	75 °C	-25 ... +55 °C	3.33 kΩ
	1,600 mA	20 V	46.9 V	75.0 W	81.6 W	361 mA	75 °C	-25 ... +55 °C	3.13 kΩ
	1,700 mA	20 V	44.1 V	75.0 W	81.6 W	361 mA	75 °C	-25 ... +55 °C	2.94 kΩ
	1,800 mA	20 V	41.7 V	75.0 W	81.8 W	362 mA	75 °C	-25 ... +55 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.
²⁾ Depending on the selected output current.
³⁾ Depending on the DALI traffic at the interface.
⁴⁾ Output current is mean value.
⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.
⁶⁾ Not compatible with I-select (generation 1).

RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1,000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1,050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1500MA BL	28001133	Blue	1500 mA	1,500 mA	3.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1600MA BL	28001134	Blue	1600 mA	1,600 mA	3.13 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1700MA BL	28001135	Blue	1700 mA	1,700 mA	2.94 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Driver LCA 50W 350–1050mA 2xCH Ip PRE

PREMIUM series SELV

Product description

- Dimmable built-in constant current 2-channel LED Driver with DALI DT6
- Adjustable output current between 350 and 1,050 mA for each channel via I-select 2 plugs or DALI
- Max. output power 50 W
- Up to 89 % efficiency
- Power input on stand-by < 0.25 W
- Dimming range 1 to 100 %
- Suitable for luminaires of protection class I and protection class II (see data sheet chapter 3.4 for details)
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION V2)
- proportionSWITCH
- Terminal blocks: 0° push terminals

Functions

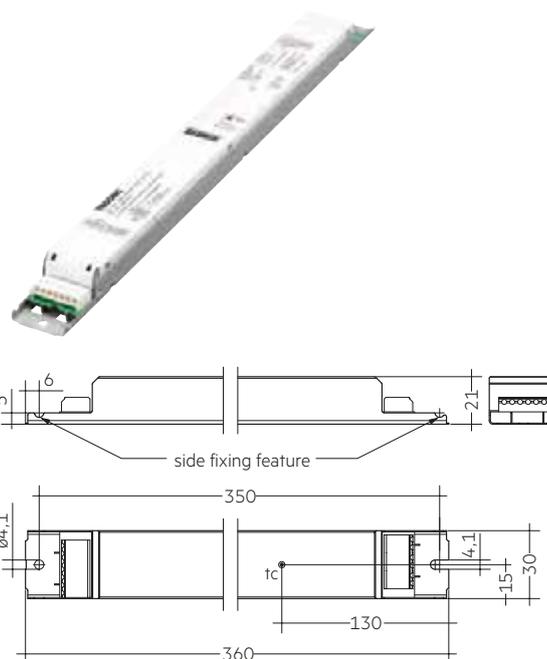
- Adjustable output current (DALI, I-select 2)
- Constant light output function (CLO)
- proportionSWITCH with pre defined scenes (split between different channel scenes)
- switchDIM and proportionSWITCH with memory function
- Power-up fading and fade to zero
- Configurable via DALI
- Protective features (overtemperature, short-circuit, overload, no-load, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses
- Flexible configuration via DALI and I-select 2

Typical applications

- For linear/area lighting in office and health care applications
- Direct and indirect lighting applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	181 – 262 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	47 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 500 µA
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	89 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.97
Typ. power input on stand-by ³⁾	< 0.25 W
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	< 0.5 W
In-rush current (peak / duration)	29 A / 180 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ¹⁾⁴⁾	± 4 %
Max. output current peak (non-repetitive)	± output current + 20 %
Output LF current ripple (< 120 Hz)	± 4 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	360 x 30 x 21 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 50W 350-1050mA 2xCH Ip PRE	28001910	10 pc(s).	760 pc(s).	0.252 kg

Specific technical data

Type	Output current for each channel ^{(4) (5)}	Min. forward voltage per channel	Max. forward voltage per channel	Max. output power per channel	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ⁽⁶⁾
LCA 50W 350-1050mA 2xCH Ip PRE	350 mA	20 V	50.0 V	17.5 W	39.6 W	181 mA	75 °C	-25 ... +55 °C	open
	400 mA	20 V	50.0 V	20.0 W	45.0 W	204 mA	75 °C	-25 ... +55 °C	12.50 kΩ
	450 mA	20 V	50.0 V	22.5 W	50.3 W	226 mA	75 °C	-25 ... +55 °C	11.11 kΩ
	500 mA	20 V	50.0 V	25.0 W	55.8 W	250 mA	75 °C	-25 ... +55 °C	10.00 kΩ
	550 mA	20 V	50.0 V	27.5 W	56.2 W	251 mA	75 °C	-25 ... +55 °C	9.09 kΩ
	600 mA	20 V	50.0 V	30.0 W	56.9 W	254 mA	75 °C	-25 ... +55 °C	8.33 kΩ
	650 mA	20 V	50.0 V	32.5 W	57.1 W	256 mA	75 °C	-25 ... +55 °C	7.69 kΩ
	700 mA	20 V	50.0 V	35.0 W	57.4 W	257 mA	75 °C	-25 ... +55 °C	7.14 kΩ
	750 mA	20 V	50.0 V	37.5 W	57.8 W	259 mA	70 °C	-25 ... +50 °C	6.67 kΩ
	800 mA	20 V	50.0 V	40.0 W	57.7 W	258 mA	70 °C	-25 ... +50 °C	6.25 kΩ
	850 mA	20 V	50.0 V	42.5 W	58.2 W	260 mA	70 °C	-25 ... +50 °C	5.88 kΩ
	900 mA	20 V	50.0 V	45.0 W	58.0 W	259 mA	70 °C	-25 ... +50 °C	5.56 kΩ
	950 mA	20 V	50.0 V	47.5 W	58.7 W	262 mA	70 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	20 V	50.0 V	50.0 W	58.6 W	262 mA	70 °C	-25 ... +50 °C	5.00 kΩ
1,050 mA	20 V	47.6 V	50.0 W	58.7 W	262 mA	70 °C	-25 ... +50 °C	short circuit (0 Ω)	

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

RoHS

ACCES-
SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LCA 100W 350–1050mA 4xCH Ip PRE

PREMIUM series SELV

Product description

- Dimmable built-in constant current 4-channel LED Driver with DALI DT6
- Adjustable output current between 350 and 1,050 mA for each channel via I-select 2 plugs or DALI
- Max. output power 100 W
- Up to 90 % efficiency
- Power input on stand-by < 0.25 W
- Dimming range 1 to 100 %
- Suitable for luminaires of protection class I and protection class II (see data sheet chapter 3.4 for details)
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION V2)
- proportionSWITCH
- Terminal blocks: 0° push terminals

Functions

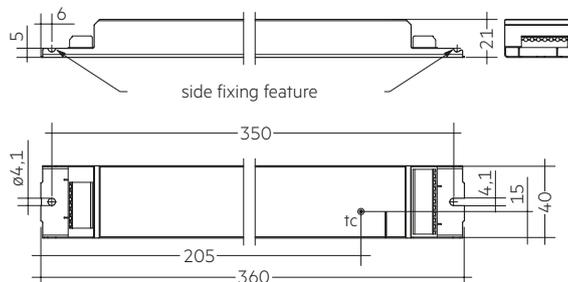
- Adjustable output current (DALI, I-select 2)
- Constant light output function (CLO)
- proportionSWITCH with pre defined scenes (split between different channel scenes)
- switchDIM and proportionSWITCH with memory function
- Power-up fading and fade to zero
- Configurable via DALI
- Protective features (overtemperature, short-circuit, overload, no-load, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses
- Flexible configuration via DALI and I-select 2

Typical applications

- For linear/area lighting in office and health care applications
 - Direct and indirect lighting applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	184 – 488 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	87 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 500 µA
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	90 %
λ (at 230 V, 50 Hz, full load) ¹⁾	> 0.98
Typ. power input on stand-by ³⁾	< 0.25 W
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	< 0.5 W
In-rush current (peak / duration)	39 A / 286 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 8 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ¹⁾⁴⁾	± 4 %
Max. output current peak (non-repetitive)	± output current + 20 %
Output LF current ripple (< 120 Hz)	± 4 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1–100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	360 x 40 x 21 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 100W 350-1050mA 4xCH Ip PRE	28001912	20 pc(s).	600 pc(s).	0.352 kg

Specific technical data

Type	Output current for each channel ^{(4) (5)}	Min. forward voltage per channel ⁽⁶⁾	Max. forward voltage per channel ⁽⁶⁾	Max. output power per channel	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max. ⁽⁶⁾	Ambient temperature ta ⁽⁶⁾	I-select 2 resistor value ⁽⁷⁾
LCA 100W 350-1050mA 4xCH Ip PRE	350 mA	20 V	50.0 V	17.5 W	40.4 W	184 mA	80 °C	-25 ... +60 °C	open
	400 mA	20 V	50.0 V	20.0 W	45.7 W	206 mA	80 °C	-25 ... +60 °C	12.50 kΩ
	450 mA	20 V	50.0 V	22.5 W	51.1 W	229 mA	80 °C	-25 ... +60 °C	11.11 kΩ
	500 mA	20 V	50.0 V	25.0 W	56.4 W	251 mA	80 °C	-25 ... +60 °C	10.00 kΩ
	550 mA	20 V	50.0 V	27.5 W	61.7 W	274 mA	80 °C	-25 ... +60 °C	9.09 kΩ
	600 mA	20 V	50.0 V	30.0 W	67.0 W	296 mA	80 °C	-25 ... +60 °C	8.33 kΩ
	650 mA	20 V	50.0 V	32.5 W	72.5 W	320 mA	80 °C	-25 ... +60 °C	7.69 kΩ
	700 mA	20 V	50.0 V	35.0 W	78.0 W	343 mA	75 °C	-25 ... +50 °C	7.14 kΩ
	750 mA	20 V	50.0 V	37.5 W	83.4 W	367 mA	75 °C	-25 ... +50 °C	6.67 kΩ
	800 mA	20 V	50.0 V	40.0 W	88.9 W	390 mA	75 °C	-25 ... +50 °C	6.25 kΩ
	850 mA	20 V	50.0 V	42.5 W	94.5 W	414 mA	75 °C	-25 ... +50 °C	5.88 kΩ
	900 mA	20 V	50.0 V	45.0 W	99.7 W	438 mA	75 °C	-25 ... +50 °C	5.56 kΩ
	950 mA	20 V	50.0 V	47.5 W	105.6 W	462 mA	75 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	20 V	50.0 V	50.0 W	111.4 W	488 mA	75 °C	-25 ... +50 °C	5.00 kΩ
	1,050 mA	20 V	47.6 V	50.0 W	111.6 W	488 mA	75 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ 4 channel operation electrically possible but not proposed over 500 mA due to thermal reasons for more details refer to 21 lifetime table in data sheet.

⁷⁾ Not compatible with I-select (generation 1).

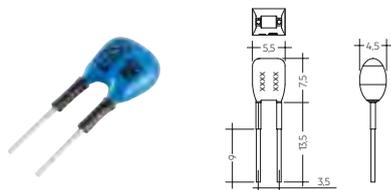
RoHS

ACCES-
SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LCA 50W 100–400mA one4all Ip PRE

PREMIUM series non-SELV

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 100 – 400 mA
- Max. output power 50 W
- Up to 92 % efficiency
- Power input on stand-by < 0,15 W
- Dimming range 1–100 %
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

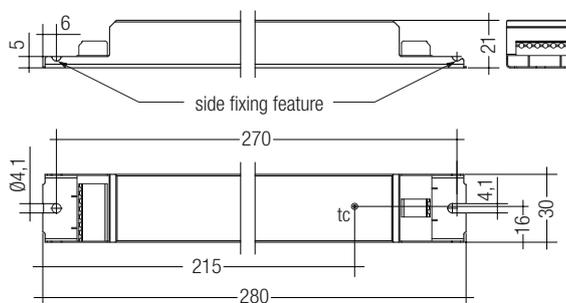
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	95 – 255 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	25 – 45 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 210 µA
Max. input power	57 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	92 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0,98
Typ. power input on stand-by ³⁾	< 0,15 W
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	0,4 W
In-rush current (peak / duration)	22,4 A / 176 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 9 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0,7 s
Starting time (DC mode)	< 0,3 s
Switchover time (AC/DC)	< 0,3 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 35 %
Output LF current ripple (< 120 Hz)	± 1,5 %
Max. output voltage (no-load voltage)	250 V
Dimming range	1–100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	280 x 30 x 21 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 50W 100-400mA one4all Ip PRE	28000655	10 pc(s).	960 pc(s).	0.207 kg

Specific technical data

Type	Output current ^{1) 5)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ⁶⁾
LCA 50W 100-400mA one4all Ip PRE	100 mA	50 V	140 V	14.0 W	18.7 W	93 mA	80 °C	-25 ... +60 °C	open
	125 mA	50 V	140 V	17.5 W	22.0 W	105 mA	80 °C	-25 ... +60 °C	40.00 kΩ
	150 mA	50 V	140 V	21.0 W	25.8 W	120 mA	85 °C	-25 ... +60 °C	33.33 kΩ
	175 mA	50 V	140 V	24.5 W	29.2 W	135 mA	85 °C	-25 ... +60 °C	28.57 kΩ
	200 mA	50 V	140 V	28.0 W	32.9 W	151 mA	85 °C	-25 ... +60 °C	25.00 kΩ
	250 mA	50 V	140 V	35.0 W	40.0 W	181 mA	85 °C	-25 ... +60 °C	20.00 kΩ
	300 mA	50 V	140 V	42.0 W	47.1 W	212 mA	85 °C	-25 ... +60 °C	16.67 kΩ
	325 mA	50 V	140 V	45.5 W	50.9 W	227 mA	85 °C	-25 ... +60 °C	15.38 kΩ
	350 mA	50 V	140 V	49.0 W	54.1 W	241 mA	85 °C	-25 ... +60 °C	14.29 kΩ
	375 mA	50 V	133 V	50.0 W	55.0 W	244 mA	85 °C	-25 ... +60 °C	13.33 kΩ
	400 mA	50 V	125 V	50.0 W	54.6 W	244 mA	85 °C	-25 ... +60 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

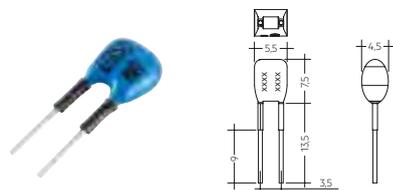
RoHS

ACCES-
SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 125MA BL	28001101	Blue	0125 mA	125 mA	40.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 150MA BL	28001102	Blue	0150 mA	150 mA	33.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 200MA BL	28001104	Blue	0200 mA	200 mA	25.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 225MA BL	28001105	Blue	0225 mA	225 mA	22.22 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Driver LCA 75W 100–400mA one4all Ip PRE

PREMIUM series non-SELV

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 100 – 400 mA
- Max. output power 75 W
- Up to 92 % efficiency
- Power input on stand-by < 0,15 W
- Dimming range 1–100 %
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

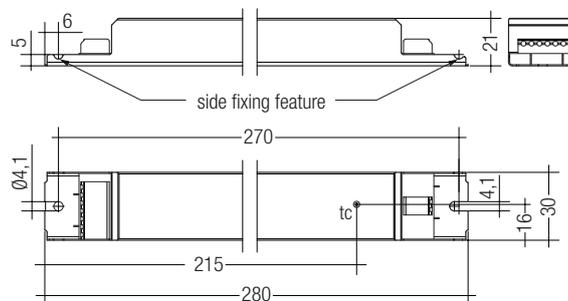
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	128 – 360 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	32 – 64 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 230 µA
Max. input power	83 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	92 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.99
Typ. power input on stand-by ³⁾	< 0.15 W
Typ. input current in no-load operation	23 mA
Typ. input power in no-load operation	0.45 W
In-rush current (peak / duration)	23 A / 174 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 9 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 35 %
Output LF current ripple (< 120 Hz)	± 2 %
Max. output voltage (no-load voltage)	250 V
Dimming range	1–100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	280 x 30 x 21 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 75W 100-400mA one4all Ip PRE	28000657	10 pc(s).	960 pc(s).	0.21 kg

Specific technical data

Type	Output current ^{1) 5)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ⁶⁾
LCA 75W 100-400mA one4all Ip PRE	100 mA	110 V	220 V	22.0 W	27.4 W	129 mA	80 °C	-25 ... +60 °C	open
	125 mA	110 V	220 V	27.5 W	33.0 W	152 mA	80 °C	-25 ... +55 °C	40.20 kΩ
	150 mA	110 V	220 V	33.0 W	38.9 W	176 mA	80 °C	-25 ... +55 °C	33.33 kΩ
	175 mA	110 V	220 V	38.5 W	44.4 W	199 mA	80 °C	-25 ... +55 °C	28.57 kΩ
	200 mA	110 V	220 V	44.0 W	50.0 W	223 mA	80 °C	-25 ... +55 °C	25.00 kΩ
	225 mA	110 V	220 V	49.5 W	55.8 W	247 mA	80 °C	-25 ... +50 °C	22.22 kΩ
	250 mA	110 V	220 V	55.0 W	60.9 W	270 mA	80 °C	-25 ... +50 °C	20.00 kΩ
	275 mA	110 V	220 V	60.5 W	66.2 W	292 mA	80 °C	-25 ... +50 °C	18.18 kΩ
	300 mA	110 V	220 V	66.0 W	71.9 W	317 mA	80 °C	-25 ... +50 °C	16.67 kΩ
	325 mA	110 V	220 V	71.5 W	77.9 W	343 mA	80 °C	-25 ... +50 °C	15.38 kΩ
	350 mA	110 V	215 V	75.3 W	81.9 W	360 mA	80 °C	-25 ... +50 °C	14.29 kΩ
	375 mA	110 V	200 V	75.0 W	81.8 W	359 mA	80 °C	-25 ... +50 °C	13.33 kΩ
	400 mA	110 V	188 V	75.2 W	81.9 W	360 mA	80 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

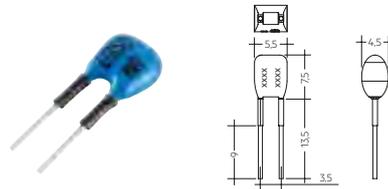
RoHS

ACCES-
SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 125MA BL	28001101	Blue	0125 mA	125 mA	40.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 150MA BL	28001102	Blue	0150 mA	150 mA	33.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 200MA BL	28001104	Blue	0200 mA	200 mA	25.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 225MA BL	28001105	Blue	0225 mA	225 mA	22.22 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LCA 75W 250–550mA one4all Ip PRE

PREMIUM series non-SELV

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 250 – 550 mA
- Max. output power 75 W
- Up to 92 % efficiency
- Power input on stand-by < 0,15 W
- Dimming range 1–100 %
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

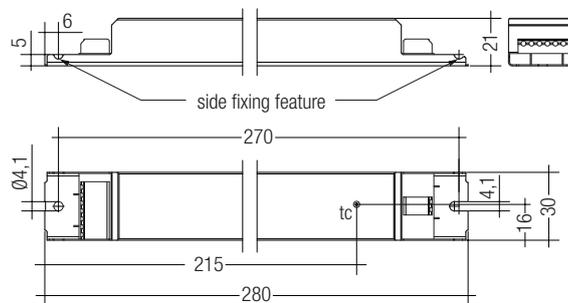
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	192 – 358 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	45.5 – 69.6 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 150 µA
Max. input power	81.7 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	92 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.99
Typ. power input on stand-by ³⁾	< 0.15 W
Typ. input current in no-load operation	23 mA
Typ. input power in no-load operation	0.44 W
In-rush current (peak / duration)	23 A / 174 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 4.7 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	250 V
Dimming range	1–100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	280 x 30 x 21 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 75W 250–550mA one4all Ip PRE	28001250	10 pc(s).	960 pc(s).	0.21 kg

Specific technical data

Type	Output current ^{1) 5)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ⁶⁾
LCA 75W 250-550mA one4all Ip PRE	250 mA	80 V	150 V	37.5 W	42.1 W	185 mA	80 °C	-25 ... +60 °C	open
	275 mA	80 V	150 V	41.3 W	45.9 W	201 mA	80 °C	-25 ... +60 °C	18.18 kΩ
	300 mA	80 V	150 V	45.0 W	49.9 W	218 mA	80 °C	-25 ... +60 °C	16.67 kΩ
	325 mA	80 V	150 V	48.8 W	53.7 W	233 mA	80 °C	-25 ... +55 °C	15.38 kΩ
	350 mA	80 V	150 V	52.5 W	57.5 W	249 mA	80 °C	-25 ... +55 °C	14.29 kΩ
	375 mA	80 V	150 V	56.3 W	61.3 W	265 mA	80 °C	-25 ... +55 °C	13.33 kΩ
	400 mA	80 V	150 V	60.0 W	65.2 W	281 mA	80 °C	-25 ... +55 °C	12.50 kΩ
	425 mA	80 V	150 V	63.8 W	69.2 W	298 mA	80 °C	-25 ... +50 °C	11.76 kΩ
	450 mA	80 V	150 V	67.5 W	73.2 W	315 mA	80 °C	-25 ... +50 °C	11.11 kΩ
	475 mA	80 V	150 V	71.3 W	77.1 W	331 mA	80 °C	-25 ... +50 °C	10.53 kΩ
	500 mA	80 V	150 V	75.0 W	81.3 W	350 mA	80 °C	-25 ... +50 °C	10.00 kΩ
	525 mA	80 V	143 V	75.0 W	81.3 W	349 mA	80 °C	-25 ... +50 °C	9.52 kΩ
	550 mA	80 V	136 V	75.0 W	81.2 W	349 mA	80 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

RoHS

ACCES-
SORIES

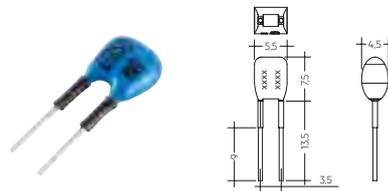
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LCA 75W 350–1050mA one4all Ip PRE

PREMIUM series non-SELV

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 350 – 1,050 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 75 W
- Up to 92 % efficiency
- Power input on stand-by < 0.16 W
- Dimming range 1–100 %
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

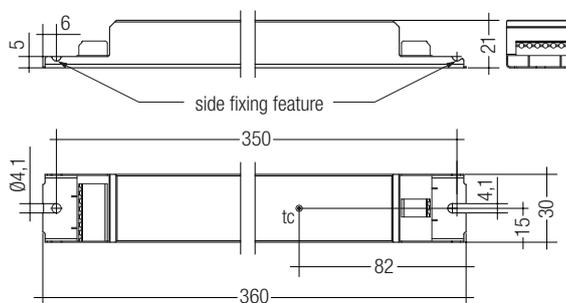
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	205 – 365 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	52 – 76 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 650 µA
Max. input power	82.5 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	92 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.98
Typ. power input on stand-by ³⁾	< 0.16 W
Typ. input current in no-load operation	36 mA
Typ. input power in no-load operation	0.42 W
In-rush current (peak / duration)	43.6 A / 188 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 5.6 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.3 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 2.5 %
Max. output voltage (no-load voltage)	250 V
Dimming range	1–100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	360 x 30 x 21 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 75W 350-1050mA one4all Ip PRE	28000659	10 pc(s).	760 pc(s).	0.295 kg

Specific technical data

Type	Output current ¹⁾⁵⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ⁶⁾
LCA 75W 350-1050mA one4all Ip PRE	350 mA	40 V	110.0 V	38.5 W	44.8 W	205 mA	75 °C	-25 ... +50 °C	open
	400 mA	40 V	110.0 V	44.0 W	50.2 W	228 mA	80 °C	-25 ... +50 °C	12.50 kΩ
	450 mA	40 V	110.0 V	49.5 W	55.6 W	251 mA	80 °C	-25 ... +50 °C	11.11 kΩ
	500 mA	40 V	110.0 V	55.0 W	61.0 W	274 mA	80 °C	-25 ... +50 °C	10.00 kΩ
	550 mA	40 V	110.0 V	60.5 W	66.3 W	296 mA	80 °C	-25 ... +50 °C	9.09 kΩ
	600 mA	40 V	110.0 V	66.0 W	71.7 W	319 mA	80 °C	-25 ... +50 °C	8.33 kΩ
	650 mA	40 V	110.0 V	71.5 W	77.1 W	342 mA	80 °C	-25 ... +50 °C	7.69 kΩ
	700 mA	40 V	107.0 V	75.0 W	82.5 W	365 mA	80 °C	-25 ... +50 °C	7.14 kΩ
	750 mA	40 V	100.0 V	75.0 W	82.4 W	364 mA	80 °C	-25 ... +50 °C	6.67 kΩ
	800 mA	40 V	93.8 V	75.0 W	82.3 W	364 mA	80 °C	-25 ... +50 °C	6.25 kΩ
	850 mA	40 V	88.2 V	75.0 W	82.2 W	363 mA	75 °C	-25 ... +50 °C	5.88 kΩ
	900 mA	40 V	83.3 V	75.0 W	82.1 W	363 mA	75 °C	-25 ... +50 °C	5.56 kΩ
	950 mA	40 V	78.9 V	75.0 W	82.0 W	362 mA	75 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	40 V	75.0 V	75.0 W	81.8 W	362 mA	75 °C	-25 ... +50 °C	5.00 kΩ
	1,050 mA	40 V	71.4 V	75.0 W	82.0 W	361 mA	75 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.
²⁾ Depending on the selected output current.
³⁾ Depending on the DALI traffic at the interface.
⁴⁾ Output current is mean value.
⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.
⁶⁾ Not compatible with I-select (generation 1).

RoHS

ACCES-
SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)

Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LCA 100W 250–700mA one4all Ip PRE

PREMIUM series non-SELV

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 250 – 700 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 100 W
- Up to 93 % efficiency
- Power input on stand-by < 0.15 W
- Dimming range 1–100 %
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

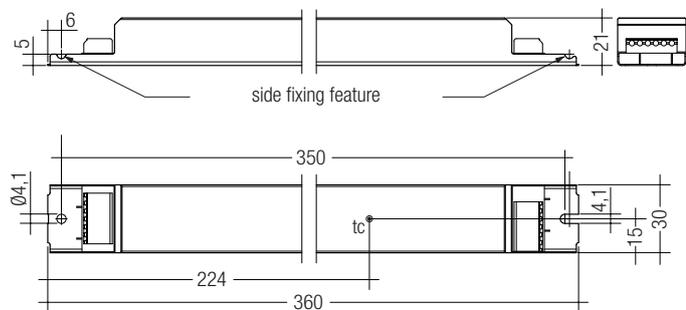
- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	280 – 500 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	65 – 90 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 460 µA
Max. input power	111 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	93 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.97
Typ. power input on stand-by ³⁾	< 0.15 W
Typ. input current in no-load operation	38 mA
Typ. input power in no-load operation	0.16 W
In-rush current (peak / duration)	33 A / 280 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 5.8 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 30 %
Output LF current ripple (< 120 Hz)	± 2 %
Max. output voltage (no-load voltage)	250 V
Dimming range	1–100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	360 x 30 x 21 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 100W 250-700mA one4all Ip PRE	28000661	10 pc(s).	760 pc(s).	0.292 kg

Specific technical data

Type	Output current ¹⁾⁵⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ⁶⁾
LCA 100W 250-700mA one4all Ip PRE	250 mA	80 V	220 V	55.0 W	63.4 W	284 mA	85 °C	-25 ... +55 °C	open
	275 mA	80 V	220 V	60.5 W	69.2 W	309 mA	85 °C	-25 ... +55 °C	18.18 kΩ
	300 mA	80 V	220 V	66.0 W	75.0 W	334 mA	85 °C	-25 ... +55 °C	16.67 kΩ
	325 mA	80 V	220 V	71.5 W	80.8 W	358 mA	85 °C	-25 ... +55 °C	15.38 kΩ
	350 mA	80 V	220 V	77.0 W	86.6 W	383 mA	85 °C	-25 ... +55 °C	14.29 kΩ
	375 mA	80 V	220 V	82.5 W	92.7 W	412 mA	80 °C	-25 ... +50 °C	13.33 kΩ
	400 mA	80 V	220 V	88.0 W	98.8 W	442 mA	80 °C	-25 ... +50 °C	12.50 kΩ
	450 mA	80 V	220 V	99.0 W	111.0 W	500 mA	80 °C	-25 ... +50 °C	11.11 kΩ
	500 mA	80 V	200 V	100.0 W	110.4 W	486 mA	80 °C	-25 ... +55 °C	10.00 kΩ
	550 mA	80 V	182 V	100.0 W	109.9 W	484 mA	80 °C	-25 ... +60 °C	9.09 kΩ
	600 mA	80 V	167 V	100.0 W	109.4 W	482 mA	80 °C	-25 ... +60 °C	8.33 kΩ
	650 mA	80 V	154 V	100.0 W	108.8 W	479 mA	80 °C	-25 ... +60 °C	7.69 kΩ
	700 mA	80 V	143 V	100.0 W	108.3 W	477 mA	80 °C	-25 ... +55 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

RoHS

ACCES-
SORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



NEW

Driver LC 35W 150–700mA 54V 0-10V Ip EXC UNV

EXCITE series SELV (UL certified)

Product description

- Constant current LED Driver
- Dimmable via 0 ... 10 V interface
- Dimming range 1 – 100 %
- Adjustable output current between 150 and 700 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 35 W
- Up to 88.4 % efficiency
- Class 2
- Class P
- FCC 15
- UL certified
- Only for US applications
- Up to 100,000 hrs lifetime
- 5-year guarantee

Housing properties

- Low-profile reflective white metal casing
- Type of protection IP20
- Dry and damp location

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Dimmable via 0 ... 10 V interface
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)

Benefits

- Operating window for maximum compatibility
- Added energy savings with dimming via 0 ... 10 V interface
- Configurable via ready2mains and I-select 2
- Tailor your dimming response with either Linear or Logarithmic Dimming Curves

Typical applications

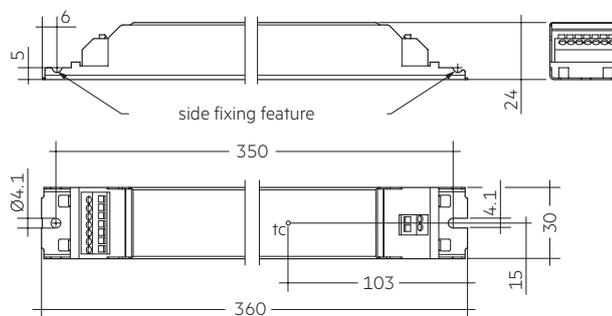
- For linear/area lighting in office, education, healthcare, and general lighting applications

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	120 – 277 V
AC voltage range	108 – 305 V
Mains frequency	50 / 60 Hz
Typ. current (at 120 V, 60 Hz, full load) ^{1) 2)}	343 mA
Typ. current (at 277 V, 60 Hz, full load) ^{1) 2)}	156 mA
Leakage current (at 120 V, 60 Hz, full load) ^{1) 2)}	< 700 µA
Leakage current (at 277 V, 60 Hz, full load) ^{1) 2)}	< 700 µA
Max. input power (at 120 V, 60 Hz, full load)	41 W
Max. input power (at 277 V, 60 Hz, full load)	40 W
Typ. efficiency (at 120 V, 60 Hz, full load) ²⁾	86.9 %
Typ. efficiency (at 277 V, 60 Hz, full load) ²⁾	88.4 %
λ (at 120 V, 60 Hz, full load) ¹⁾	0.99
λ (at 277 V, 60 Hz, full load) ¹⁾	0.91
Typ. input current in no-load operation (at 120 V, 60 Hz)	16 mA
Typ. input current in no-load operation (at 277 V, 60 Hz)	31 mA
Typ. input power in no-load operation (at 120 V, 60 Hz)	0.4 W
Typ. input power in no-load operation (at 277 V, 60 Hz)	0.5 W
In-rush current (peak / duration at 120 V)	15.8 A / 180 µs
In-rush current (peak / duration at 277 V)	36.6 A / 149 µs
THD (at 120 V, 60 Hz, full load) ¹⁾	< 10 %
THD (at 277 V, 60 Hz, full load) ¹⁾	< 15 %
Starting time (full load) ¹⁾	≅ 700 ms
Turn off time (full load)	< 30 ms
Hold time (power failure, full load)	< 20 ms
Output current tolerance ^{1) 2)}	± 5 %
Max. output current peak (non-repetitive)	≅ output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage	60 V
Dimming range	1–100 %
Mains surge capability (between L - N)	2.5 kV
Mains surge capability (between L/N - PE)	2.5 kV
Surge voltage at output side (against PE)	500 V
Dimensions L x W x H	360 x 30 x 24 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 35/150-700/54 0-10V Ip EXC UNV	87500687	20 pc(s).	260 pc(s).	1,560 pc(s).	0.323 kg

Specific technical data

Type	Output current ¹⁾⁵⁾	Min. forward voltage	Max. forward voltage	Max. output power (at 120 V, 60 Hz, full load)	Typ. power consumption (at 120 V, 60 Hz, full load)	Typ. current consumption (at 120 V, 60 Hz, full load)	Max. output power (at 277 V, 60 Hz, full load)	Typ. power consumption (at 277 V, 60 Hz, full load)	Typ. current consumption (at 277 V, 60 Hz, full load)	tc temperature ⁴⁾	Ambient temperature ta max.	I-select 2 resistor value ⁴⁾
LC 35/150-700/54 0-10V Ip EXC UNV	150 mA	18 V	54.0 V	8.1 W	11.4 W	104 mA	8.1 W	11.7 W	77 mA	65 °C	-10 ... +55 °C	open
	200 mA	18 V	54.0 V	10.8 W	14.2 W	125 mA	10.8 W	14.4 W	75 mA	65 °C	-10 ... +55 °C	25.00 kΩ
	250 mA	18 V	54.0 V	13.5 W	17.0 W	148 mA	13.5 W	17.1 W	84 mA	65 °C	-10 ... +55 °C	20.00 kΩ
	300 mA	18 V	54.0 V	16.2 W	19.7 W	170 mA	16.2 W	19.9 W	95 mA	65 °C	-10 ... +55 °C	16.67 kΩ
	350 mA	18 V	54.0 V	18.9 W	22.6 W	194 mA	18.9 W	22.6 W	102 mA	65 °C	-10 ... +55 °C	14.29 kΩ
	400 mA	18 V	54.0 V	21.6 W	25.7 W	217 mA	21.6 W	25.5 W	111 mA	65 °C	-10 ... +55 °C	12.50 kΩ
	450 mA	18 V	54.0 V	24.3 W	28.5 W	242 mA	24.3 W	28.3 W	120 mA	65 °C	-10 ... +55 °C	11.11 kΩ
	500 mA	18 V	54.0 V	27.0 W	31.7 W	267 mA	27.0 W	31.2 W	124 mA	65 °C	-10 ... +55 °C	10.00 kΩ
	550 mA	18 V	54.0 V	29.7 W	34.4 W	290 mA	29.7 W	34.0 W	133 mA	65 °C	-10 ... +55 °C	9.09 kΩ
	600 mA	18 V	54.0 V	32.4 W	37.5 W	316 mA	32.4 W	36.7 W	143 mA	65 °C	-10 ... +55 °C	8.33 kΩ
	650 mA	18 V	53.8 V	35.0 W	40.4 W	339 mA	35.0 W	39.4 W	152 mA	65 °C	-10 ... +55 °C	7.69 kΩ
	700 mA	18 V	50.0 V	35.0 W	40.7 W	341 mA	35.0 W	39.7 W	153 mA	65 °C	-10 ... +55 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁴⁾ Not compatible with I-select (generation 1).

⁵⁾ Output current is mean value.

⁶⁾ 5-year guarantee.

RoHS

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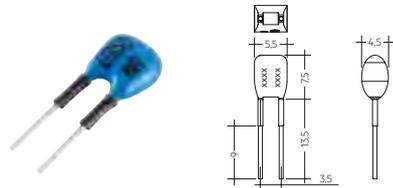
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 150MA BL	28001102	Blue	0150 mA	150 mA	33.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 175MA BL	28001103	Blue	0175 mA	175 mA	28.57 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 200MA BL	28001104	Blue	0200 mA	200 mA	25.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 225MA BL	28001105	Blue	0225 mA	225 mA	22.22 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



NEW

Driver LC 50W 350–1050mA 54V 0–10V Ip EXC UNV

EXCITE series SELV (UL certified)

Product description

- Constant current LED Driver
- Dimmable via 0 ... 10 V interface
- Dimming range 1 – 100 %
- Adjustable output current between 350 and 1,050 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 50 W
- Up to 90.6 % efficiency
- Class 2
- Class P
- FCC 15
- UL certified
- Only for US applications
- Up to 100,000 hrs lifetime
- 5-year guarantee

Housing properties

- Low-profile reflective white metal casing
- Type of protection IP20
- Dry and damp location

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Dimmable via 0 ... 10 V interface
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)

Benefits

- Operating window for maximum compatibility
- Added energy savings with dimming via 0 ... 10 V interface
- Configurable via ready2mains and I-select 2
- Tailor your dimming response with either Linear or Logarithmic Dimming Curves

Typical applications

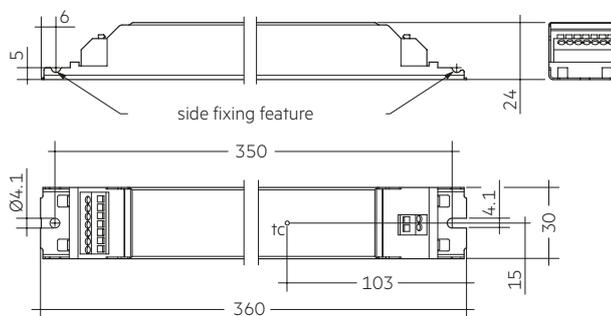
- For linear/area lighting in office, education, healthcare, and general lighting applications

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)


Technical data

Rated supply voltage	120 – 277 V
AC voltage range	108 – 305 V
Mains frequency	50 / 60 Hz
Typ. current (at 120 V, 60 Hz, full load) ¹⁾²⁾	474 mA
Typ. current (at 277 V, 60 Hz, full load) ¹⁾²⁾	213 mA
Leakage current (at 120 V, 60 Hz, full load) ¹⁾²⁾	< 700 µA
Leakage current (at 277 V, 60 Hz, full load) ¹⁾²⁾	< 700 µA
Max. input power (at 120 V, 60 Hz, full load)	56.3 W
Max. input power (at 277 V, 60 Hz, full load)	55.2 W
Typ. efficiency (at 120 V, 60 Hz, full load) ²⁾	89.4 %
Typ. efficiency (at 277 V, 60 Hz, full load) ²⁾	90.6 %
λ (at 120 V, 60 Hz, full load) ¹⁾	0.99
λ (at 277 V, 60 Hz, full load) ¹⁾	0.94C
Typ. input current in no-load operation (at 120 V, 60 Hz)	16 mA
Typ. input current in no-load operation (at 277 V, 60 Hz)	30 mA
Typ. input power in no-load operation (at 120 V, 60 Hz)	0.5 W
Typ. input power in no-load operation (at 277 V, 60 Hz)	0.7 W
In-rush current (peak / duration at 120 V)	261 A / 197 µs
In-rush current (peak / duration at 277 V)	62.6 A / 164 µs
THD (at 120 V, 60 Hz, full load) ¹⁾	< 10 %
THD (at 277 V, 60 Hz, full load) ¹⁾	< 10 %
Starting time (full load) ¹⁾	≅ 700 ms
Turn off time (full load)	< 30 ms
Hold time (power failure, full load)	< 20 ms
Output current tolerance ¹⁾³⁾	± 5 %
Max. output current peak (non-repetitive)	≅ output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage	60 V
Dimming range	1–100 %
Mains surge capability (between L - N)	2.5 kV
Mains surge capability (between L/N - PE)	2.5 kV
Surge voltage at output side (against PE)	500 V
Dimensions L x W x H	360 x 30 x 24 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 50/350-1050/54 0-10V Ip EXC UNV	87500688	20 pc(s).	260 pc(s).	1,560 pc(s).	0.352 kg

Specific technical data

Type	Output current ¹⁾ ²⁾	Min. forward voltage	Max. forward voltage	Max. output power (at 120 V, 60 Hz, full load)	Typ. power consumption (at 120 V, 60 Hz, full load)	Typ. current consumption (at 120 V, 60 Hz, full load)	Max. output power (at 277 V, 60 Hz, full load)	Typ. power consumption (at 277 V, 60 Hz, full load)	Typ. current consumption (at 277 V, 60 Hz, full load)	tc temperature ⁴⁾	Ambient temperature max.	I-select 2 resistor value ⁵⁾
LC 50/350-1050/54 0-10V Ip EXC UNV	350 mA	18 V	54.0 V	18.9 W	23.2 W	194 mA	18.9 W	23.4 W	110 mA	70 °C	-10 ... +55 °C	open
	400 mA	18 V	54.0 V	21.6 W	25.8 W	214 mA	21.6 W	26.0 W	117 mA	70 °C	-10 ... +55 °C	12.50 kΩ
	450 mA	18 V	54.0 V	24.3 W	29.2 W	242 mA	24.3 W	29.2 W	127 mA	70 °C	-10 ... +55 °C	11.11 kΩ
	500 mA	18 V	54.0 V	27.0 W	31.6 W	276 mA	27.0 W	31.4 W	134 mA	70 °C	-10 ... +55 °C	10.00 kΩ
	550 mA	18 V	54.0 V	29.7 W	34.7 W	302 mA	29.7 W	34.6 W	143 mA	70 °C	-10 ... +55 °C	9.09 kΩ
	600 mA	18 V	54.0 V	32.4 W	37.4 W	319 mA	32.4 W	37.1 W	146 mA	70 °C	-10 ... +55 °C	8.33 kΩ
	650 mA	18 V	54.0 V	35.1 W	40.7 W	342 mA	35.1 W	40.0 W	156 mA	70 °C	-10 ... +55 °C	7.69 kΩ
	700 mA	18 V	54.0 V	37.8 W	43.2 W	369 mA	37.8 W	43.1 W	166 mA	70 °C	-10 ... +55 °C	7.14 kΩ
	750 mA	18 V	54.0 V	40.5 W	46.0 W	392 mA	40.5 W	45.3 W	174 mA	70 °C	-10 ... +55 °C	6.67 kΩ
	800 mA	18 V	54.0 V	43.2 W	48.8 W	416 mA	43.2 W	48.0 W	183 mA	70 °C	-10 ... +55 °C	6.25 kΩ
	850 mA	18 V	54.0 V	45.9 W	51.8 W	440 mA	45.9 W	51.0 W	192 mA	70 °C	-10 ... +55 °C	5.88 kΩ
	900 mA	18 V	54.0 V	48.6 W	54.8 W	466 mA	48.6 W	54.0 W	204 mA	70 °C	-10 ... +55 °C	5.56 kΩ
	950 mA	18 V	52.6 V	50.0 W	56.2 W	479 mA	50.0 W	55.1 W	207 mA	70 °C	-10 ... +55 °C	5.26 kΩ
	1000 mA	18 V	50.0 V	50.0 W	56.1 W	479 mA	50.0 W	55.1 W	207 mA	70 °C	-10 ... +55 °C	5.00 kΩ
	1050 mA	18 V	47.6 V	50.0 W	56.1 W	478 mA	50.0 W	55.1 W	207 mA	70 °C	-10 ... +55 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.²⁾ Depending on the selected output current.³⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.⁴⁾ Not compatible with I-select (generation 1).⁵⁾ Output current is mean value.⁶⁾ 5-year guarantee.

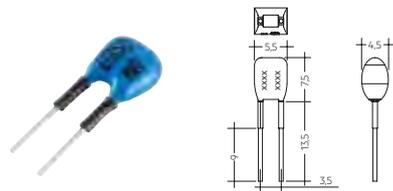
RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



NEW

Driver LC 75W 900–1800mA 54V 0-10V Ip EXC UNV

EXCITE series SELV (UL certified)

Product description

- Constant current LED Driver
- Dimmable via 0 ... 10 V interface
- Dimming range 1 – 100 %
- Adjustable output current between 900 and 1,800 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 75 W
- Up to 90.7 % efficiency
- Class 2
- Class P
- FCC 15
- UL certified
- Only for US applications
- Up to 100,000 hrs lifetime
- 5-year guarantee

Housing properties

- Low-profile reflective white metal casing
- Type of protection IP20
- Dry and damp location

Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Dimmable via 0 ... 10 V interface
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)

Benefits

- Operating window for maximum compatibility
- Added energy savings with dimming via 0 ... 10 V interface
- Configurable via ready2mains and I-select 2
- Tailor your dimming response with either Linear or Logarithmic Dimming Curves

Typical applications

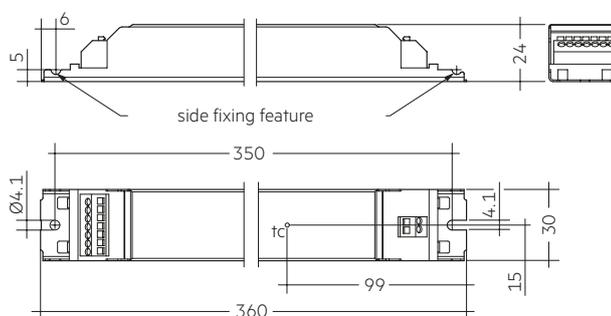
- For linear/area lighting in office, education, healthcare, and general lighting applications

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	120 – 277 V
AC voltage range	108 – 305 V
Mains frequency	50 / 60 Hz
Typ. current (at 120 V, 60 Hz, full load) ¹⁾²⁾	715 mA
Typ. current (at 277 V, 60 Hz, full load) ¹⁾²⁾	315 mA
Leakage current (at 120 V, 60 Hz, full load) ¹⁾²⁾	< 700 µA
Leakage current (at 277 V, 60 Hz, full load) ¹⁾²⁾	< 700 µA
Max. input power (at 120 V, 60 Hz, full load)	85 W
Max. input power (at 277 V, 60 Hz, full load)	83 W
Typ. efficiency (at 120 V, 60 Hz, full load) ²⁾	88.4 %
Typ. efficiency (at 277 V, 60 Hz, full load) ²⁾	90.7 %
λ (at 120 V, 60 Hz, full load) ¹⁾	0.99
λ (at 277 V, 60 Hz, full load) ¹⁾	0.95
Typ. input current in no-load operation (at 120 V, 60 Hz)	21 mA
Typ. input current in no-load operation (at 277 V, 60 Hz)	42 mA
Typ. input power in no-load operation (at 120 V, 60 Hz)	0.5 W
Typ. input power in no-load operation (at 277 V, 60 Hz)	0.6 W
In-rush current (peak / duration at 120 V)	27.3 A / 195 µs
In-rush current (peak / duration at 277 V)	62.6 A / 193 µs
THD (at 120 V, 60 Hz, full load) ¹⁾	< 10 %
THD (at 277 V, 60 Hz, full load) ¹⁾	< 10 %
Starting time (full load) ¹⁾	≅ 700 ms
Turn off time (full load)	< 30 ms
Hold time (power failure, full load)	< 20 ms
Output current tolerance ¹⁾³⁾	± 5 %
Max. output current peak (non-repetitive)	≅ output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage	60 V
Dimming range	1–100 %
Mains surge capability (between L - N)	2.5 kV
Mains surge capability (between L/N - PE)	2.5 kV
Surge voltage at output side (against PE)	500 V
Dimensions L x W x H	360 x 30 x 24 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 75/900-1800/54 0-10V Ip EXC UNV	87500689	20 pc(s).	260 pc(s).	1,560 pc(s).	0.384 kg

Specific technical data

Type	Output current ^{1) 2)}	Min. forward voltage	Max. forward voltage	Max. output power (at 120 V, 60 Hz, full load)	Typ. power consumption (at 120 V, 60 Hz, full load)	Typ. current consumption (at 120 V, 60 Hz, full load)	Max. output power (at 277 V, 60 Hz, full load)	Typ. power consumption (at 277 V, 60 Hz, full load)	Typ. current consumption (at 277 V, 60 Hz, full load)	tc temperature ⁴⁾	Ambient temperature ta max.	I-select 2 resistor value ⁴⁾
LC 75/900-1800/54 0-10V Ip EXC UNV	900 mA	18 V	54.0 V	48.6 W	56.0 W	472 mA	48.6 W	55.3 W	218 mA	85 °C	-10 ... +55 °C	open
	950 mA	18 V	54.0 V	51.3 W	58.8 W	495 mA	51.3 W	57.8 W	226 mA	85 °C	-10 ... +55 °C	5.26 kΩ
	1,000 mA	18 V	54.0 V	54.0 W	61.9 W	517 mA	54.0 W	60.8 W	236 mA	85 °C	-10 ... +55 °C	5.00 kΩ
	1,050 mA	18 V	54.0 V	56.7 W	64.7 W	540 mA	56.7 W	63.6 W	245 mA	85 °C	-10 ... +55 °C	4.76 kΩ
	1,100 mA	18 V	54.0 V	59.4 W	67.6 W	562 mA	59.4 W	66.2 W	254 mA	85 °C	-10 ... +55 °C	4.55 kΩ
	1,150 mA	18 V	54.0 V	62.1 W	71.0 W	592 mA	62.1 W	69.4 W	265 mA	85 °C	-10 ... +55 °C	4.35 kΩ
	1,200 mA	18 V	54.0 V	64.8 W	73.3 W	619 mA	64.8 W	71.8 W	274 mA	85 °C	-10 ... +55 °C	4.17 kΩ
	1,250 mA	18 V	54.0 V	67.5 W	76.5 W	645 mA	67.5 W	74.7 W	283 mA	85 °C	-10 ... +55 °C	4.00 kΩ
	1,300 mA	18 V	54.0 V	70.2 W	78.7 W	661 mA	70.2 W	76.9 W	290 mA	85 °C	-10 ... +55 °C	3.85 kΩ
	1,350 mA	18 V	54.0 V	72.9 W	82.3 W	691 mA	72.9 W	80.4 W	303 mA	85 °C	-10 ... +55 °C	3.70 kΩ
	1,400 mA	18 V	53.6 V	75.0 W	84.2 W	703 mA	75.0 W	82.0 W	309 mA	85 °C	-10 ... +55 °C	3.57 kΩ
	1,450 mA	18 V	51.7 V	75.0 W	84.3 W	702 mA	75.0 W	82.1 W	309 mA	85 °C	-10 ... +55 °C	3.45 kΩ
	1,500 mA	18 V	50.0 V	75.0 W	83.6 W	702 mA	75.0 W	81.9 W	308 mA	85 °C	-10 ... +55 °C	3.33 kΩ
	1,550 mA	18 V	48.4 V	75.0 W	84.3 W	707 mA	75.0 W	82.3 W	310 mA	85 °C	-10 ... +55 °C	3.23 kΩ
	1,600 mA	18 V	46.9 V	75.0 W	84.5 W	708 mA	75.0 W	82.3 W	309 mA	85 °C	-10 ... +55 °C	3.13 kΩ
	1,650 mA	18 V	45.5 V	75.0 W	84.2 W	703 mA	75.0 W	82.2 W	309 mA	85 °C	-10 ... +55 °C	3.03 kΩ
	1,700 mA	18 V	44.1 V	75.0 W	84.1 W	701 mA	75.0 W	82.0 W	310 mA	85 °C	-10 ... +55 °C	2.94 kΩ
	1,750 mA	18 V	42.9 V	75.0 W	84.1 W	705 mA	75.0 W	82.0 W	309 mA	85 °C	-10 ... +55 °C	2.86 kΩ
1,800 mA	18 V	41.7 V	75.0 W	84.4 W	707 mA	75.0 W	82.6 W	311 mA	85 °C	-10 ... +55 °C	short circuit (0 Ω)	

¹⁾ Valid at 100 % dimming level.²⁾ Depending on the selected output current.³⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.⁴⁾ Not compatible with I-select (generation 1).⁵⁾ Output current is mean value.⁶⁾ 5-year guarantee.

RoHS

ACCESSORIES

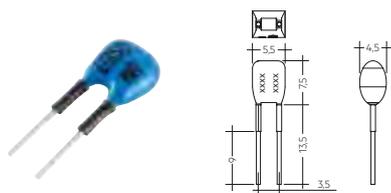
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1,000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1,050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1500MA BL	28001133	Blue	1500 mA	1,500 mA	3.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1600MA BL	28001134	Blue	1600 mA	1,600 mA	3.13 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1700MA BL	28001135	Blue	1700 mA	1,700 mA	2.94 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1800MA BL	28001136	Blue	1800 mA	1,800 mA	2.78 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg

**Driver LCA 75W 100–400mA 1-10V Ip EXC**

EXCITE series non-SELV

Product description

- Constant current LED Driver for luminaire installation
- Dimmable via 1 ... 10 V interface
- Dimming range 10 – 100 % (Depending on load. For details refer to chapter 4.7 Dimming in data sheet.)
- Adjustable output current between 100 and 400 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 75 W
- Up to 94 % efficiency
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- ready2mains configuration
- 1 ... 10 V dimming interface
- Terminal blocks: 0° push terminals

Functions

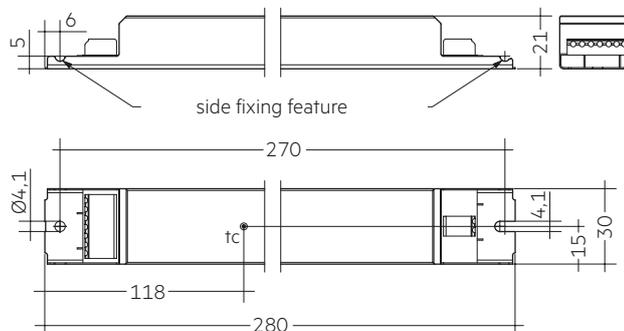
- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Dimmable via 1 ... 10 V interface
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency and dimming via 1 ... 10 V interface
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾²⁾	350 mA
Typ. current (220 V, 0 Hz, full load, 50 % dimming level) ²⁾	173 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 250 µA
Max. input power	809 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	94 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.99
Typ. input current in no-load operation	24 mA
Typ. input power in no-load operation	0.6 W
In-rush current (peak / duration)	25.8 A / 280 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ¹⁾³⁾	± 5 %
Max. output current peak (non-repetitive)	± output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage	250 V
Dimming range ⁴⁾	10 – 100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Burst / surge peaks output side against PE	2 kV
Dimensions L x W x H	280 x 30 x 21 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 75W 100-400mA 1-10V Ip EXC	28001807	10 pc(s).	960 pc(s).	0189 kg

Specific technical data

Type	Output current ^{3) 5)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select 2 resistor value ⁶⁾
LCA 75W 100-400mA 1-10V Ip EXC	100 mA	50 V	220 V	22.0 W	24.3 W	114 mA	75 °C	-25 ... +65 °C	open
LCA 75W 100-400mA 1-10V Ip EXC	125 mA	50 V	220 V	27.5 W	30.3 W	139 mA	75 °C	-25 ... +65 °C	40.00 kΩ
LCA 75W 100-400mA 1-10V Ip EXC	150 mA	50 V	220 V	33.0 W	34.3 W	156 mA	75 °C	-25 ... +65 °C	33.33 kΩ
LCA 75W 100-400mA 1-10V Ip EXC	175 mA	50 V	220 V	38.5 W	41.9 W	188 mA	75 °C	-25 ... +65 °C	28.57 kΩ
LCA 75W 100-400mA 1-10V Ip EXC	200 mA	50 V	220 V	44.0 W	48.4 W	215 mA	75 °C	-25 ... +65 °C	25.00 kΩ
LCA 75W 100-400mA 1-10V Ip EXC	225 mA	50 V	220 V	49.5 W	53.8 W	238 mA	80 °C	-25 ... +60 °C	22.22 kΩ
LCA 75W 100-400mA 1-10V Ip EXC	250 mA	50 V	220 V	55.0 W	58.8 W	260 mA	80 °C	-25 ... +60 °C	20.00 kΩ
LCA 75W 100-400mA 1-10V Ip EXC	275 mA	50 V	220 V	60.5 W	64.8 W	285 mA	80 °C	-25 ... +60 °C	18.18 kΩ
LCA 75W 100-400mA 1-10V Ip EXC	300 mA	50 V	220 V	66.0 W	70.7 W	311 mA	80 °C	-25 ... +60 °C	16.67 kΩ
LCA 75W 100-400mA 1-10V Ip EXC	325 mA	50 V	220 V	71.5 W	76.5 W	336 mA	75 °C	-25 ... +55 °C	15.38 kΩ
LCA 75W 100-400mA 1-10V Ip EXC	350 mA	50 V	214 V	75.0 W	80.6 W	353 mA	75 °C	-25 ... +55 °C	14.29 kΩ
LCA 75W 100-400mA 1-10V Ip EXC	375 mA	50 V	200 V	75.0 W	80.9 W	355 mA	75 °C	-25 ... +55 °C	13.33 kΩ
LCA 75W 100-400mA 1-10V Ip EXC	400 mA	50 V	188 V	75.0 W	80.6 W	354 mA	75 °C	-25 ... +55 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Output current is mean value.

⁴⁾ The min. achievable dimming level depends on the connected load. For details refer to chapter 4.7 Dimming in data sheet.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

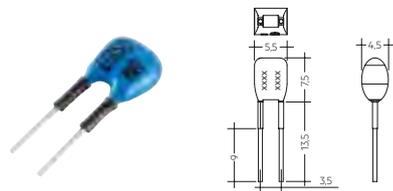
RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 125MA BL	28001101	Blue	0125 mA	125 mA	40.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 150MA BL	28001102	Blue	0150 mA	150 mA	33.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 175MA BL	28001103	Blue	0175 mA	175 mA	28.57 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 200MA BL	28001104	Blue	0200 mA	200 mA	25.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 225MA BL	28001105	Blue	0225 mA	225 mA	22.22 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Driver LCA 75W 250–550mA 1-10V Ip EXC

EXCITE series non-SELV

Product description

- Constant current LED Driver for luminaire installation
- Dimmable via 1 ... 10 V interface
- Dimming range 10 – 100 % (Depending on load. For details refer to chapter 4.7 Dimming in data sheet.)
- Adjustable output current between 250 and 550 mA via ready2mains Programmer or I-select 2 plugs
- Max. output power 75 W
- Up to 94 % efficiency
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- ready2mains configuration
- 1 ... 10 V dimming interface
- Terminal blocks: 0° push terminals

Functions

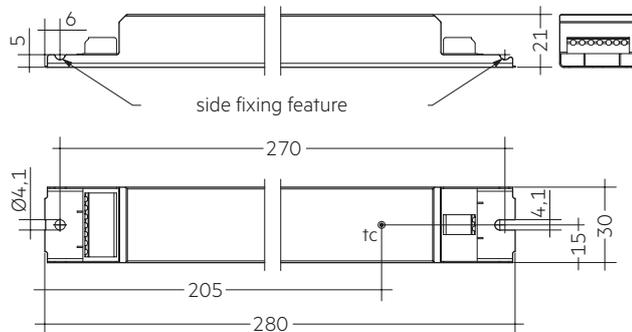
- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Dimmable via 1 ... 10 V interface
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to high efficiency and dimming via 1 ... 10 V interface
- Flexible configuration via ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Oversvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ^{1) 2)}	356 mA
Typ. current (220 V, 0 Hz, full load, 50 % dimming level) ²⁾	180 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 250 μ A
Max. input power	80.6 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	94 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.98
Typ. input current in no-load operation	24 mA
Typ. input power in no-load operation	0.6 W
In-rush current (peak / duration)	25.8 A / 280 μ s
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ^{1) 3)}	\pm 5 %
Max. output current peak (non-repetitive)	\leq output current + 35 %
Output LF current ripple (< 120 Hz)	\pm 5 %
Max. output voltage	250 V
Dimming range ⁴⁾	10 – 100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Burst / surge peaks output side against PE	2 kV
Dimensions L x W x H	280 x 30 x 21 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 75W 250-550mA 1-10V Ip EXC	28001982	10 pc(s).	960 pc(s).	0189 kg

Specific technical data

Type	Output current ^{3) 5)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select 2 resistor value ⁶⁾
LCA 75W 250-550mA 1-10V Ip EXC	250 mA	50 V	220.0 V	55.0 W	58.2 W	259 mA	75 °C	-25 ... +50 °C	open
LCA 75W 250-550mA 1-10V Ip EXC	275 mA	50 V	220.0 V	60.5 W	64.0 W	285 mA	75 °C	-25 ... +50 °C	18.18 kΩ
LCA 75W 250-550mA 1-10V Ip EXC	300 mA	50 V	220.0 V	66.0 W	69.8 W	310 mA	75 °C	-25 ... +50 °C	16.67 kΩ
LCA 75W 250-550mA 1-10V Ip EXC	325 mA	50 V	220.0 V	71.5 W	75.6 W	335 mA	75 °C	-25 ... +50 °C	15.38 kΩ
LCA 75W 250-550mA 1-10V Ip EXC	350 mA	50 V	214.3 V	75.0 W	79.3 W	351 mA	75 °C	-25 ... +50 °C	14.29 kΩ
LCA 75W 250-550mA 1-10V Ip EXC	375 mA	50 V	200.0 V	75.0 W	79.5 W	351 mA	75 °C	-25 ... +50 °C	13.33 kΩ
LCA 75W 250-550mA 1-10V Ip EXC	400 mA	50 V	187.5 V	75.0 W	79.5 W	352 mA	75 °C	-25 ... +50 °C	12.50 kΩ
LCA 75W 250-550mA 1-10V Ip EXC	425 mA	50 V	176.5 V	75.0 W	79.5 W	352 mA	75 °C	-25 ... +50 °C	11.76 kΩ
LCA 75W 250-550mA 1-10V Ip EXC	450 mA	50 V	166.7 V	75.0 W	79.8 W	353 mA	75 °C	-25 ... +50 °C	11.11 kΩ
LCA 75W 250-550mA 1-10V Ip EXC	475 mA	50 V	157.9 V	75.0 W	80.0 W	354 mA	75 °C	-25 ... +50 °C	10.53 kΩ
LCA 75W 250-550mA 1-10V Ip EXC	500 mA	50 V	150.0 V	75.0 W	80.1 W	354 mA	75 °C	-25 ... +50 °C	10.00 kΩ
LCA 75W 250-550mA 1-10V Ip EXC	525 mA	50 V	142.9 V	75.0 W	80.2 W	354 mA	75 °C	-25 ... +50 °C	9.52 kΩ
LCA 75W 250-550mA 1-10V Ip EXC	550 mA	50 V	136.4 V	75.0 W	80.4 W	356 mA	75 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Output current is mean value.

⁴⁾ The min. achievable dimming level depends on the connected load. For details refer to chapter 4.7 Dimming in data sheet.

⁵⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁶⁾ Not compatible with I-select (generation 1).

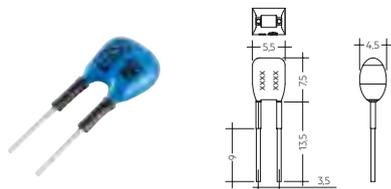
RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG Deactivation	28001462	Blue	CHRO OFF	-	-	-	0.001 kg

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)

**Driver LC 35W 700mA 0-10V UNV sl ADV**

ADVANCED series (UL certified)

Product description

- Built-in constant current LED Driver
- For dry and damp location
- Dimming range 10 to 100 %
- Max. output power 35 W
- Up to 85 % efficiency
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- UL and ENEC certified
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: metal, white
- Potted version
- Type of protection IP44

Interfaces

- Dimmable via 0 ... 10 V
- Single wires with tinned wire ends

Functions

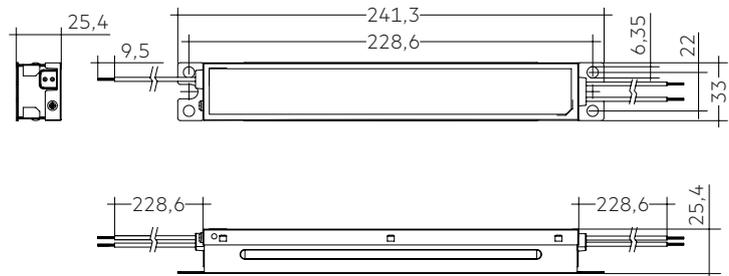
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage up to 4 kV (L to N)

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)**Ordering data**

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 35W 700mA 0-10V UNV sl ADV	28001766	20 pc(s).	1,500 pc(s).	0.37 kg

Technical data

Rated supply voltage	120 – 277 V
AC voltage range	108 – 305 V
Max. input current (at 277 V, 60 Hz, full load)	0.2 A
Max. input current (at 120 V, 60 Hz, full load)	0.44 A
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 2 h
Max. input power	52.8 W
Typ. power consumption (at 230 V, 50 Hz, full load)	42.9 W
Min. output power	22.4 W
Max. output power	35.7 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	84 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current ²⁾	700 mA
Output current tolerance ²⁾	± 5 %
Max. output current peak (non-repetitive)	770 mA
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Min. forward voltage	32 V
Max. forward voltage	51 V
Max. output voltage	60 V
THD (at 230 V, 50 Hz, full load)	< 20 %
Starting time (at 230 V, 50 Hz, full load)	≤ 1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Max. casing temperature t _c	80 °C
Ambient temperature t _a	-25 ... +55 °C
Ambient temperature t _a (at life-time 50,000 h)	50 °C
Storage temperature t _s	-40 ... +80 °C
Dimensions L x W x H	241.3 x 33 x 25.4 mm

¹⁾ Test result at 700 mA.

²⁾ Output current is mean value.

**Driver LC 40W 1050mA 0-10V UNV sl ADV**

ADVANCED series (UL certified)

Product description

- Built-in constant current LED Driver
- For dry and damp location
- Dimming range 10 to 100 %
- Max. output power 40 W
- Up to 85 % efficiency
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- UL and ENEC certified
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: metal, white
- Potted version
- Type of protection IP44

Interfaces

- Dimmable via 0 ... 10 V
- Single wires with tinned wire ends

Functions

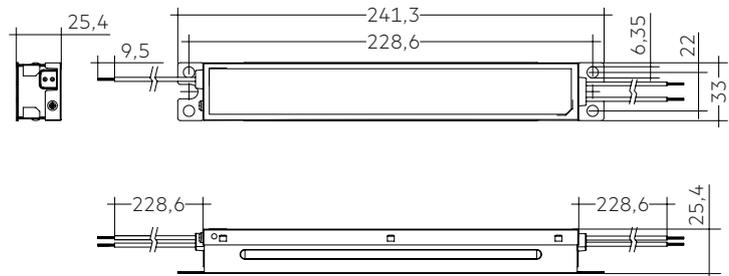
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 1 kV
- Surge protection voltage up to 4 kV (L to N)

Typical applications

- For linear/area lighting in office applications
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)**Ordering data**

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 40W 1050mA 0-10V UNV sl ADV	28001767	20 pc(s).	1,500 pc(s).	0.37 kg

Technical data

Rated supply voltage	120 – 277 V
AC voltage range	108 – 305 V
Max. input current (at 277 V, 60 Hz, full load)	0.2 A
Max. input current (at 120 V, 60 Hz, full load)	0.44 A
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 2 h
Max. input power	52.8 W
Typ. power consumption (at 230 V, 50 Hz, full load)	46.2 W
Min. output power	27.3 W
Max. output power	40 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	85 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
Output current ²⁾	1,050 mA
Output current tolerance ²⁾	± 5 %
Max. output current peak (non-repetitive)	1,155 mA
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Min. forward voltage	26 V
Max. forward voltage	38 V
Max. output voltage	45 V
THD (at 230 V, 50 Hz, full load)	< 20 %
Starting time (at 230 V, 50 Hz, full load)	≤ 1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Max. casing temperature t_c	80 °C
Ambient temperature t_a	-25 ... +55 °C
Ambient temperature t_a (at life-time 50,000 h)	45 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	241.3 x 33 x 25.4 mm

¹⁾ Test result at 1,050 mA.²⁾ Output current is mean value.

IP20 **Driver LCAI 38/75W TW Ip**

Tunable White

Product description

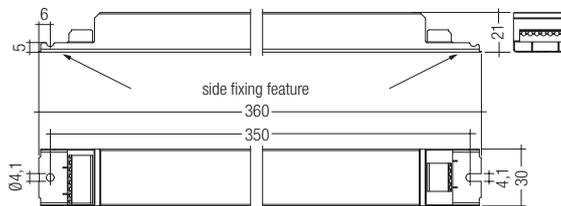
- 2-channel LED Driver with DALI DT8
- Output power: 38 W or 75 W
- Power input on stand-by < 0.3 W
- Nominal life-time up to 50,000 h
- 5-year guarantee

Properties

- Low profile LED Driver with digital interface (DALI Device Type 8, DSI, switchDIM, colourTEMPERATURE)
 - switchDIM and colourTEMPERATURE with memory function¹⁾
 - Powerless switching via a digital interface (no need for switching via mains)
 - Intelligent Temperature Guard (overtemperature protection)
 - Short-circuit shutdown feature with one restart (after 0.5 s)
 - Overload protection with one restart (after 0.5 s)
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Rated current (at 230 V 50 Hz) for 38 W	0.18 A
Rated current (at 230 V 50 Hz) for 75 W	0.35 A
Mains frequency	0 / 50 / 60 Hz
Efficiency at 38 W	90 %
Efficiency at 75 W	93 %
λ (at 230 V, 50 Hz, full load)	0.96
Control input ¹⁾	DSI, DALI, switchDIM, colourTEMPERATURE
Stand-by power	< 0.3 W
Min. forward voltage	125 V
Max. forward voltage	250 V
Dimming range	10–100 %
PWM frequency	200 – 500 Hz
Starting time (at 230 V, 50 Hz)	< 0.5 s
Switchover time AC/DC and DC/AC	< 1 s
Leakage current (PE)	150 μ A
Output current tolerance ^{2) 3)}	\pm 2 %
Max. output current peak (non-repetitive) for 38 W	180 mA
Max. output current peak (non-repetitive) for 75 W	360 mA
Max. output voltage (no-load voltage)	270 V
Mains surge capability (between L - N)	12 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 2 kV
t_a operating (at life-time 50,000 h) for 38 W	-25 ... +60 °C
t_a operating (at life-time 50,000 h) for 75 W	-25 ... +55 °C
Max. casing temperature t_c (at life-time 50,000 h) for 38 W	70 °C
Max. casing temperature t_c (at life-time 50,000 h) for 75 W	75 °C

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 38W 125mA DT8 Ip	28001457	80 pc(s).	320 pc(s).	0.265 kg
LCAI 75W 250mA DT8 Ip	28001458	80 pc(s).	320 pc(s).	0.265 kg

¹⁾ In DC operation the last set colour is used. No colourTEMPERATURE mode at DC operation.²⁾ Valid at 100 % dimming level.³⁾ Output current is mean value.



Driver LCA 50W 350–1050mA DT8 Ip PRE

Tunable White

Product description

- Dimmable built-in constant current 2-channel LED Driver with DALI DT8
- Adjustable output current between 350 and 1,050 mA for each channel via I-select 2 plugs or DALI
- Max. output power 50 W
- Up to 89 % efficiency
- Power input on stand-by < 0.25 W
- Dimming range 3 – 100 %
- Suitable for luminaires of protection class I, for protection class II see data sheet
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- one4all (DALI DT8, DSI, switchDIM, corridorFUNCTION V2)
- colourSWITCH
- Terminal blocks: 0° push terminals

Functions

- Adjustable output current (DALI, I-select 2)
- Constant light output function (CLO)
- colourSWITCH with predefined colours
- switchDIM and colourSWITCH with memory function
- Power-up fading and fade to zero
- Configurable via DALI
- Protective features (overtemperature, short-circuit, overload, no-load, reduced surge amplification)
- Suitable for emergency lighting acc. to EN 50172

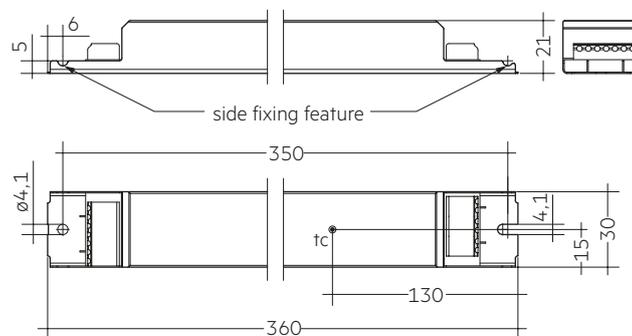
Benefits

- Application-oriented operating window for max. compatibility
- Best energy savings due to low stand-by losses
- Flexible configuration via DALI and I-select 2

Typical applications

- For linear/area lighting in office applications
- Tunable White application

→ For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	105 – 252 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	47 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 500 µA
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	89 %
λ (at 230 V, 50 Hz, full load) ¹⁾	> 0.97
Typ. power input on stand-by ³⁾	< 0.25 W
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	0.5 W
In-rush current (peak / duration)	29 A / 180 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ^{1) 6)}	± 3 %
Max. output current peak (non-repetitive)	≤ output current + 20 %
Output LF current ripple (< 120 Hz)	± 4 %
Max. output voltage (no-load voltage)	60 V
Dimming range	3 – 100 %
Colour tuning range	2,700 – 6,500 K
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	360 x 30 x 21 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ^{4) 5)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.	I-select 2 resistor value ⁴⁾
LCA 50W 350-1050mA DT8 Ip PRE	350 mA	20 V	50.0 V	17.5 W	211 W	105 mA	75 °C	-25 ... +55 °C	open
	400 mA	20 V	50.0 V	20.0 W	239 W	116 mA	75 °C	-25 ... +55 °C	12.50 kΩ
	450 mA	20 V	50.0 V	22.5 W	26.4 W	126 mA	75 °C	-25 ... +55 °C	11.11 kΩ
	500 mA	20 V	50.0 V	25.0 W	29.1 W	137 mA	75 °C	-25 ... +55 °C	10.00 kΩ
	550 mA	20 V	50.0 V	27.5 W	31.8 W	148 mA	75 °C	-25 ... +55 °C	9.09 kΩ
	600 mA	20 V	50.0 V	30.0 W	34.4 W	159 mA	75 °C	-25 ... +55 °C	8.33 kΩ
	650 mA	20 V	50.0 V	32.5 W	37.1 W	170 mA	75 °C	-25 ... +55 °C	7.69 kΩ
	700 mA	20 V	50.0 V	35.0 W	39.7 W	182 mA	75 °C	-25 ... +50 °C	7.14 kΩ
	750 mA	20 V	50.0 V	37.5 W	42.2 W	193 mA	75 °C	-25 ... +50 °C	6.67 kΩ
	800 mA	20 V	50.0 V	40.0 W	45.2 W	204 mA	75 °C	-25 ... +50 °C	6.25 kΩ
	850 mA	20 V	50.0 V	42.5 W	47.9 W	216 mA	75 °C	-25 ... +50 °C	5.88 kΩ
	900 mA	20 V	50.0 V	45.0 W	50.5 W	227 mA	75 °C	-25 ... +50 °C	5.56 kΩ
	950 mA	20 V	50.0 V	47.5 W	53.4 W	239 mA	75 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	20 V	50.0 V	50.0 W	56.1 W	251 mA	75 °C	-25 ... +50 °C	5.00 kΩ
	1,050 mA	20 V	47.6 V	50.0 W	56.3 W	252 mA	75 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁵⁾ Not compatible with I-select (Generation 1).

⁶⁾ Output current is mean value.

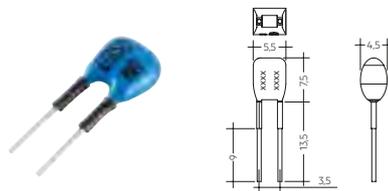
RoHS

ACCES-SERIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)

Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 Ω	10 pc(s).	0.001 kg



Driver LCA 100W 350–1050mA 2xDT8 Ip PRE

Tunable White

Product description

- Dimmable built-in constant current 4-channel LED Driver with 2 x DALI DT8
- Adjustable output current between 350 and 1,050 mA for each channel via I-select 2 plugs or DALI
- Max. output power 100 W
- Up to 90 % efficiency
- Power input on stand-by < 0.25 W
- Dimming range 3 – 100 %
- Suitable for luminaires of protection class I, for protection class II see data sheet
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- one4all (DALI DT8, DSI, switchDIM, corridorFUNCTION V2)
- colourSWITCH
- Terminal blocks: 0° push terminals

Functions

- Adjustable output current (DALI, I-select 2)
- Constant light output function (CLO)
- colourSWITCH with predefined colours
- switchDIM and colourSWITCH with memory function
- Power-up fading and fade to zero
- Configurable via DALI
- Protective features (overtemperature, short-circuit, overload, no-load, reduced surge amplification)
- Suitable for emergency lighting acc. to EN 50172

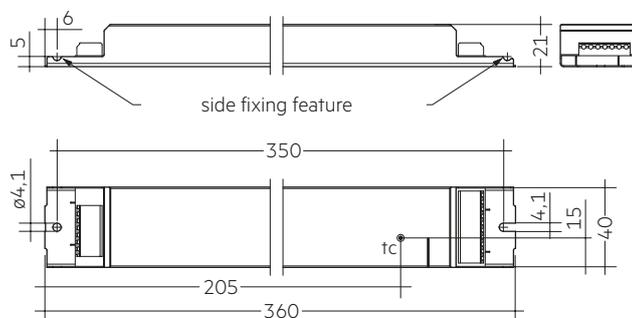
Benefits

- Application-oriented operating window for max. compatibility
- Best energy savings due to low stand-by losses
- Flexible configuration via DALI and I-select 2

Typical applications

- For linear/area lighting in office applications
- Tunable White application

→ For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	185 – 488 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	87 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 500 µA
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	90 %
λ (at 230 V, 50 Hz, full load) ¹⁾	> 0.98
Typ. power input on stand-by ²⁾	< 0.25 W
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	< 0.5 W
In-rush current (peak / duration)	39 A / 286 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 6 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ^{1) 6)}	± 3 %
Max. output current peak (non-repetitive)	≤ output current + 20 %
Output LF current ripple (< 120 Hz)	± 4 %
Max. output voltage (no-load voltage)	60 V
Dimming range	3 – 100 %
Colour tuning range	2,700 – 6,500 K
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	360 x 40 x 21 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current for each channel ^{1) 4) 5)}	Min. forward voltage per channel	Max. forward voltage per channel	Max. output power per channel	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature t _c	Ambient temperature t _a max.	I-select 2 resistor value ⁴⁾
CH 1 and CH2 at 4,000 K									
	350 mA	20 V	50.0 V	17.5 W	4.07 W	185 mA	80 °C	-25 ... +60 °C	open
	400 mA	20 V	50.0 V	20.0 W	46.0 W	207 mA	80 °C	-25 ... +60 °C	12.50 kΩ
	450 mA	20 V	50.0 V	22.5 W	51.7 W	232 mA	80 °C	-25 ... +60 °C	11.11 kΩ
	500 mA	20 V	50.0 V	25.0 W	57.1 W	255 mA	80 °C	-25 ... +60 °C	10.00 kΩ
	550 mA	20 V	50.0 V	27.5 W	62.5 W	278 mA	80 °C	-25 ... +60 °C	9.09 kΩ
	600 mA	20 V	50.0 V	30.0 W	67.8 W	300 mA	80 °C	-25 ... +60 °C	8.33 kΩ
	650 mA	20 V	50.0 V	32.5 W	73.0 W	323 mA	80 °C	-25 ... +60 °C	7.69 kΩ
LCA 100W 350-1050mA 2xDT8 Ip PRE	700 mA	20 V	50.0 V	35.0 W	78.4 W	346 mA	80 °C	-25 ... +55 °C	7.14 kΩ
	750 mA	20 V	50.0 V	37.5 W	83.9 W	370 mA	80 °C	-25 ... +55 °C	6.67 kΩ
	800 mA	20 V	50.0 V	40.0 W	89.4 W	393 mA	80 °C	-25 ... +55 °C	6.25 kΩ
	850 mA	20 V	50.0 V	42.5 W	94.8 W	417 mA	80 °C	-25 ... +55 °C	5.88 kΩ
	900 mA	20 V	50.0 V	45.0 W	100.6 W	441 mA	80 °C	-25 ... +50 °C	5.56 kΩ
	950 mA	20 V	50.0 V	47.5 W	105.8 W	464 mA	80 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	20 V	50.0 V	50.0 W	111.5 W	488 mA	80 °C	-25 ... +50 °C	5.00 kΩ
	1,050 mA	20 V	47.6 V	50.0 W	111.4 W	488 mA	80 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁵⁾ Not compatible with I-select (generation 1).

⁶⁾ Output current is mean value.

RoHS

ACCES-
SORIES

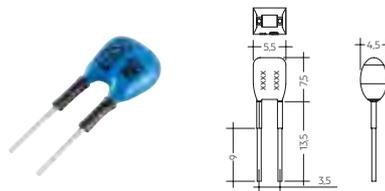
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 Ω	10 pc(s).	0.001 kg

IP67 SELV  
                                                       



Driver LCI 15W 350/500/700mA M020

EXCITE series

Product description

- Independent LED Driver for LED modules
- Constant current LED Driver for outdoor usage¹⁾
- Output power 15 W
- Nominal life-time of 50,000 h (at t_a 55 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee

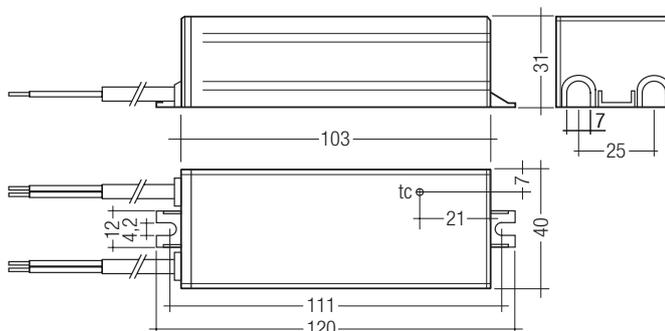
Properties

- Strain relief connection cable 0.5 m
- Type of protection IP67
- Casing: polycarbonate, white (UV resistant)

Functions

- Overload protection by reduction of performance
- Overtemperature protection
- Short-circuit shutdown

→ For product data sheet go to www.tridonic.com,
or available on request



Technical data

Rated supply voltage	220 – 240 V AC
AC voltage range	198 – 264 V AC
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.15 A
Max. input power	18 W
Typ. input power in no-load operation	0.5 W
Typ. λ (at 230 V, 50 Hz, full load)	> 0.5 C
Typ. efficiency (at 230 V, 50 Hz, full load)	> 85 %
Starting time (at 230 V, 50 Hz, full load)	0.5 s
Turn off time (at 230 V, 50 Hz, full load)	1 s
Hold on time ²⁾	20 ms
t_a operating (at life-time 50,000 h)	-25 ... +55 °C
Max. casing temperature t_c	75 °C
Dimensions L x W x H	120 x 40 x 31 mm
Hole spacing D	111 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, high volume	Weight per pc.
LCI 015/0350 M020	28000795	10 pc(s).	600 pc(s).	0.248 kg
LCI 015/0500 M020	28000796	10 pc(s).	600 pc(s).	0.248 kg
LCI 015/0700 M020	28000797	10 pc(s).	600 pc(s).	0.248 kg



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Typ. output current ⁴⁾	Output current tolerance ⁴⁾	Output current ripple ⁴⁾	Max. repetitive output peak current	Max. non-repetitive output peak current	Output voltage range	Max. output voltage ³⁾	Typ. output power
LCI 015/0350 M020	350 mA	± 5 %	± 15 %	425 mA	425 mA	3 – 43 V	52 V	15 W
LCI 015/0500 M020	500 mA	± 5 %	± 10 %	580 mA	580 mA	3 – 35 V	36 V	15 W
LCI 015/0700 M020	700 mA	± 5 %	± 10 %	810 mA	810 mA	3 – 25 V	26 V	15 W

¹⁾ Not suitable for outdoor ground recessed luminaires according to EN 60598-2-13, 13.10.

²⁾ At power failure.

³⁾ In no-load operation. No shutdown in no-load operation.

⁴⁾ Output current is mean value.



Driver LCI 30W 700mA M120

EXCITE series

Product description

- Independent LED Driver for LED modules
- Constant current LED Driver for outdoor usage¹⁾
- Output power 30 W
- Nominal life-time of 50,000 h (at t_a 55 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee

Properties

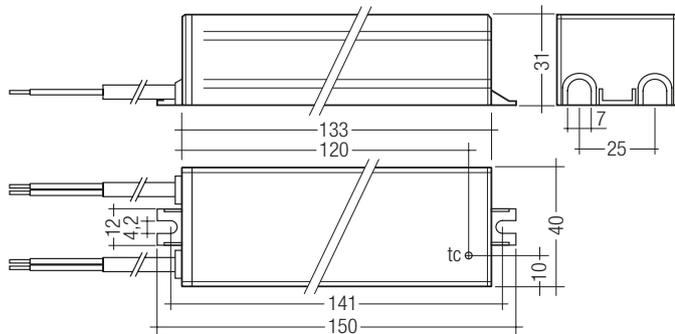
- Strain relief connection cable 0.5 m
- Type of protection IP67
- Casing: polycarbonate, white (UV resistant)

Functions

- Overtemperature protection
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V AC
AC voltage range	198 – 264 V AC
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.155 A
Max. input power	37.5 W
Typ. input power in no-load operation	1.5 W
Typ. λ (at 230 V, 50 Hz, full load)	0.95
Typ. efficiency (at 230 V, 50 Hz, full load)	> 85 %
Starting time (at 230 V, 50 Hz, full load)	0.5 s
Turn off time (at 230 V, 50 Hz, full load)	1 s
Hold on time ²⁾	40 ms
t_a operating (at life-time 50,000 h)	-25 ... +55 °C
Max. casing temperature t_c	85 °C
Dimensions L x W x H	150 x 40 x 31 mm
Hole spacing D	141 mm



Ordering data

Type	Article number	Packaging, carton	Packaging, high volume	Weight per pc.
LCI 030/0700 M120	28000794	10 pc(s).	600 pc(s).	0.309 kg



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Typ. output current ⁴⁾	Output current tolerance ⁴⁾	Output current ripple ⁴⁾	Max. repetitive output peak current	Max. non-repetitive output peak current	Output voltage range	Max. output voltage ³⁾	Typ. output power
LCI 030/0700 M120	700 mA	± 5 %	± 20 %	885 mA	885 mA	9 – 46 V	58 V	30 W

¹⁾ Not suitable for outdoor ground recessed luminaires according to EN 60598-2-13, 13.10.

²⁾ At power failure.

³⁾ In no-load operation. No shutdown in no-load operation.

⁴⁾ Output current is mean value.



Driver LCA 30W 250–700mA one4all C PRE OTD

PREMIUM outdoor series

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 250 – 700 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 30 W
- Power input on stand-by < 0.16 W
- Dimming range 10–100 %
- Nominal life-time up to 100,000 h and 5-year guarantee

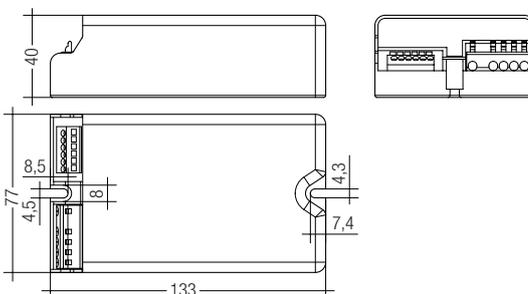


Housing properties

- Compact plastic casing with type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION V2)
- ready2mains (configuration and dimming via mains)
- U6Me2 (configuration of chronoSTEP 2 via mains)
- Terminal blocks: 45° / 0° push terminals



Functions

- Adjustable output current (DALI, ready2mains, I-select 2)
- Programmable chronoSTEP: times and levels (DALI, U6Me2, ready2mains)
- Constant light output function (CLO)
- Configurable via ready2mains
- Low-temperature start feature (-40 to +70 °C temperature range)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Reliability proven by life-time up to 100,000 h and 5-year guarantee
- Flexible configuration via DALI, ready2mains, U6Me2 and I-select 2
- In-field programming possible after installation
- High overvoltage protection: up to 10 kV asymmetric (protection class I and II)

Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	106 – 154 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	28 – 54 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 340 µA
Max. input power	35 W
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	90 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.97
Typ. power input on stand-by ³⁾	< 0.16 W
In-rush current (peak / duration)	33 A / 195 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 7.4 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 700 ms
Starting time (DC mode)	< 450 ms
Switchover time (AC/DC)	< 150 ms
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ^{1) 4)}	± 3 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage	120 V
Dimming range	10–100 %
Mains surge capability (between L – N) ⁵⁾	6 kV / 3,000 A
Mains surge capability (between L/N – PE)	6 kV
Mains surge capability up to (between L/N - PE) without DALI connection	10 kV
Burst protection ⁶⁾	6 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	133 x 77 x 40 mm

Typical applications

- Road, street and industry
 - For luminaires of protection class I and protection class II
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ^{1) 4)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select 2 resistor value ⁷⁾
LCA 30W 250-700mA one4all C PRE OTD	250 mA	25 V	75 V	18.8 W	23.8 W	110 mA	80 °C	-40 ... +70 °C	open
	300 mA	25 V	75 V	22.5 W	27.4 W	125 mA	80 °C	-40 ... +70 °C	16.67 kΩ
	350 mA	25 V	75 V	26.3 W	31.4 W	142 mA	80 °C	-40 ... +70 °C	14.29 kΩ
	400 mA	25 V	75 V	30.0 W	35.0 W	158 mA	80 °C	-40 ... +70 °C	12.50 kΩ
	450 mA	25 V	67 V	30.0 W	34.9 W	156 mA	80 °C	-40 ... +70 °C	11.11 kΩ
	500 mA	25 V	60 V	30.0 W	34.5 W	154 mA	80 °C	-40 ... +70 °C	10.00 kΩ
	550 mA	25 V	55 V	30.0 W	34.5 W	154 mA	80 °C	-40 ... +70 °C	9.09 kΩ
	600 mA	25 V	50 V	30.0 W	33.8 W	152 mA	80 °C	-40 ... +70 °C	8.33 kΩ
	650 mA	25 V	46 V	29.9 W	34.0 W	153 mA	80 °C	-40 ... +70 °C	7.69 kΩ
	700 mA	25 V	43 V	30.0 W	34.2 W	154 mA	80 °C	-40 ... +70 °C	7.14 kΩ

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ L-N acc. to EN 61000-4-5, 2 Ohm, 12/50 µs, 8/20 µs.

⁶⁾ Also applies to corridorFUNCTION.

⁷⁾ Not compatible with I-select (generation 1).

RoHS

ACCES-
SORIES

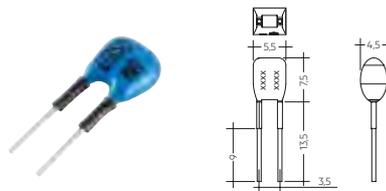
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LCA 60W 350–1050mA one4all C PRE OTD

PREMIUM outdoor series

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 350 – 1,050 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 60 W
- Power input on stand-by < 0.16 W
- Dimming range 10–100 %
- Nominal life-time up to 100,000 h and 5-year guarantee

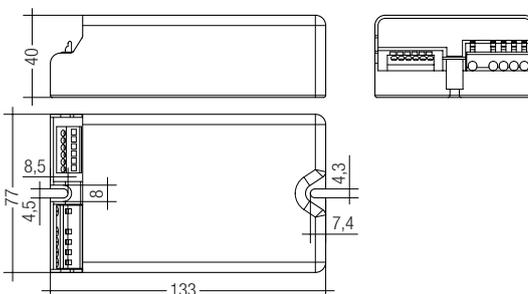


Housing properties

- Compact plastic casing with type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION V2)
- ready2mains (configuration and dimming via mains)
- U6Me2 (configuration of chronoSTEP 2 via mains)
- Terminal blocks: 45° / 0° push terminals



Functions

- Adjustable output current (DALI, ready2mains, I-select 2)
- Programmable chronoSTEP: times and levels (DALI, U6Me2, ready2mains)
- Constant light output function (CLO)
- Configurable via ready2mains
- Low-temperature start feature (-40 to +70 °C temperature range)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Reliability proven by life-time up to 100,000 h and 5-year guarantee
- Flexible configuration via DALI, ready2mains, U6Me2 and I-select 2
- In-field programming possible after installation
- High overvoltage protection: up to 10 kV asymmetric (protection class I and II)

Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	155 – 289 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	51 – 63 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 300 µA
Max. input power	66 W
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	93 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.99
Typ. power input on stand-by ³⁾	< 0.16 W
In-rush current (peak / duration)	37 A / 233 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 16 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 300 ms
Starting time (DC mode)	< 300 ms
Switchover time (AC/DC)	< 150 ms
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ^{1) 4)}	± 2 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage	120 V
Dimming range	10–100 %
Mains surge capability (between L – N) ⁵⁾	6 kV / 3,000 A
Mains surge capability (between L/N – PE)	6 kV
Mains surge capability up to (between L/N - PE) without DALI connection	10 kV
Burst protection ⁶⁾	6 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	133 x 77 x 40 mm

Typical applications

- Road, street and industry
 - For luminaires of protection class I and protection class II
- For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 60W 350-1050mA one4all C PRE OTD	28001071	10 pc(s).	390 pc(s).	0.545 kg
LCA 60W 350-1050mA one4all C PRE OTD	87500663	10 pc(s).	260 pc(s).	0.557 kg

Specific technical data

Type	Output current ^{1) 4)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select 2 resistor value ⁷⁾
LCA 60W 350-1050mA one4all C PRE OTD	350 mA	30 V	85 V	29.8 W	35.0 W	155 mA	80 °C	-40 ... +70 °C	open
	400 mA	30 V	85 V	34.0 W	39.3 W	174 mA	80 °C	-40 ... +70 °C	12.50 kΩ
	450 mA	30 V	85 V	38.3 W	43.6 W	192 mA	80 °C	-40 ... +70 °C	11.11 kΩ
	500 mA	30 V	85 V	42.5 W	47.9 W	211 mA	80 °C	-40 ... +70 °C	10.00 kΩ
	550 mA	30 V	85 V	46.8 W	52.3 W	230 mA	85 °C	-40 ... +70 °C	9.09 kΩ
	600 mA	30 V	85 V	51.0 W	56.7 W	249 mA	85 °C	-40 ... +70 °C	8.33 kΩ
	650 mA	30 V	85 V	55.3 W	61.1 W	267 mA	85 °C	-40 ... +70 °C	7.69 kΩ
	700 mA	30 V	85 V	59.5 W	65.7 W	288 mA	85 °C	-40 ... +70 °C	7.14 kΩ
	750 mA	30 V	80 V	60.0 W	66.0 W	289 mA	85 °C	-40 ... +70 °C	6.67 kΩ
	800 mA	30 V	75 V	60.0 W	65.9 W	288 mA	85 °C	-40 ... +70 °C	6.25 kΩ
	850 mA	30 V	71 V	60.0 W	66.0 W	289 mA	85 °C	-40 ... +70 °C	5.88 kΩ
	900 mA	30 V	67 V	60.0 W	65.7 W	288 mA	80 °C	-40 ... +70 °C	5.56 kΩ
	950 mA	30 V	63 V	60.0 W	65.6 W	287 mA	80 °C	-40 ... +70 °C	5.26 kΩ
	1,000 mA	30 V	60 V	60.0 W	65.8 W	288 mA	80 °C	-40 ... +70 °C	5.00 kΩ
	1,050 mA	30 V	57 V	60.0 W	66.0 W	289 mA	80 °C	-40 ... +70 °C	4.76 kΩ

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ L-N acc. to EN 61000-4-5, 2 Ohm, 12/50 µs, 8/20 µs.

⁶⁾ Also applies to corridorFUNCTION.

⁷⁾ Not compatible with I-select (Generation 1).

RoHS

ACCESSORIES

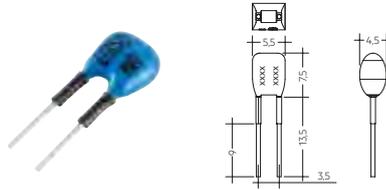
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG Deactivation	28001462	Blue	CHRO OFF	-	-	-	0.001 kg



Driver LCA 75W 250–750mA one4all C PRE OTD

PREMIUM outdoor series

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 250 – 750 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 75 W
- Power input on stand-by < 0,16 W
- Dimming range 10–100 %
- Nominal life-time up to 100,000 h and 5-year guarantee

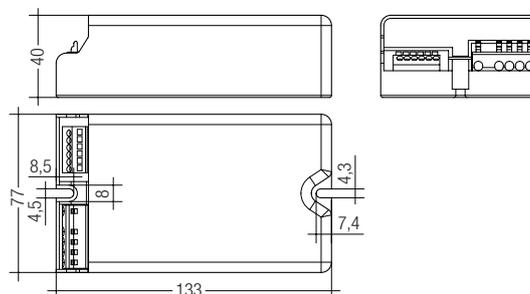


Housing properties

- Compact plastic casing with type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION V2)
- ready2mains (configuration and dimming via mains)
- U6Me2 (configuration of chronoSTEP 2 via mains)
- Terminal blocks: 45° / 0° push terminals



Functions

- Adjustable output current (DALI, ready2mains, I-select 2)
- Programmable chronoSTEP: times and levels (DALI, U6Me2, ready2mains)
- Constant light output function (CLO)
- Configurable via ready2mains
- Low-temperature start feature (-40 to +65 °C temperature range)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Reliability proven by life-time up to 100,000 h and 5-year guarantee
- Flexible configuration via DALI, ready2mains, U6Me2 and I-select 2
- In-field programming possible after installation
- High overvoltage protection: up to 10 kV asymmetric (protection class I and II)

Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	177 – 363 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	50 – 78 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 300 µA
Max. input power	819 W
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	93 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.99
Typ. power input on stand-by ²⁾	< 0.16 W
In-rush current (peak / duration)	37 A / 235 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 5 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 280 ms
Starting time (DC mode)	< 280 ms
Switchover time (AC/DC)	< 150 ms
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ¹⁾⁴⁾	± 5 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage	250 V
Dimming range	10–100 %
Mains surge capability (between L – N) ⁵⁾	6 kV / 3,000 A
Mains surge capability (between L/N – PE)	6 kV
Mains surge capability up to (between L/N – PE) without DALI connection	10 kV
Burst protection ⁶⁾	6 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	133 x 77 x 40 mm

Typical applications

- Road, street and industry
 - For luminaires of protection class I and protection class II
- For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 75W 250-750mA one4all C PRE OTD	28001072	10 pc(s).	390 pc(s).	0.588 kg
LCA 75W 250-750mA one4all C PRE OTD	87500664	10 pc(s).	260 pc(s).	0.554 kg

Specific technical data

Type	Output current ¹⁾⁴⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select 2 resistor value ⁷⁾
LCA 75W 250-750mA one4all C PRE OTD	250 mA	45 V	130 V	32.5 W	39.3 W	177 mA	85 °C	-40 ... +65 °C	open
	275 mA	45 V	130 V	35.8 W	42.5 W	191 mA	85 °C	-40 ... +65 °C	18.18 kΩ
	300 mA	45 V	130 V	39.0 W	45.7 W	204 mA	85 °C	-40 ... +65 °C	16.67 kΩ
	325 mA	45 V	130 V	42.3 W	49.0 W	219 mA	85 °C	-40 ... +65 °C	15.38 kΩ
	350 mA	45 V	130 V	45.5 W	52.2 W	232 mA	85 °C	-40 ... +65 °C	14.29 kΩ
	375 mA	45 V	130 V	48.8 W	55.7 W	247 mA	85 °C	-40 ... +65 °C	13.33 kΩ
	400 mA	45 V	130 V	52.0 W	58.9 W	261 mA	85 °C	-40 ... +65 °C	12.50 kΩ
	425 mA	45 V	130 V	55.3 W	62.1 W	275 mA	85 °C	-40 ... +60 °C	11.76 kΩ
	450 mA	45 V	130 V	58.5 W	65.3 W	288 mA	85 °C	-40 ... +60 °C	11.11 kΩ
	475 mA	45 V	130 V	61.8 W	68.5 W	303 mA	85 °C	-40 ... +60 °C	10.53 kΩ
	500 mA	45 V	130 V	65.0 W	71.9 W	316 mA	85 °C	-40 ... +60 °C	10.00 kΩ
	525 mA	45 V	130 V	68.3 W	75.2 W	330 mA	85 °C	-40 ... +60 °C	9.52 kΩ
	550 mA	45 V	130 V	71.5 W	78.4 W	345 mA	85 °C	-40 ... +60 °C	9.09 kΩ
	575 mA	45 V	130 V	74.8 W	81.8 W	360 mA	85 °C	-40 ... +60 °C	8.70 kΩ
	600 mA	45 V	125 V	75.0 W	81.6 W	362 mA	85 °C	-40 ... +60 °C	8.33 kΩ
	625 mA	45 V	120 V	75.0 W	81.5 W	362 mA	80 °C	-40 ... +60 °C	8.00 kΩ
	650 mA	45 V	115 V	75.0 W	81.0 W	361 mA	80 °C	-40 ... +60 °C	7.69 kΩ
	675 mA	45 V	111 V	75.0 W	81.0 W	360 mA	85 °C	-40 ... +65 °C	7.41 kΩ
	700 mA	45 V	107 V	75.0 W	81.0 W	359 mA	85 °C	-40 ... +65 °C	7.14 kΩ
	725 mA	45 V	103 V	75.0 W	80.9 W	359 mA	85 °C	-40 ... +65 °C	6.90 kΩ
750 mA	45 V	100 V	75.0 W	81.0 W	360 mA	85 °C	-40 ... +65 °C	6.67 kΩ	

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ L-N acc. to EN 61000-4-5: 2 Ohm, 1,2/50 µs, 8/20 µs.

⁶⁾ Also applies to corridorFUNCTION.

⁷⁾ Not compatible with I-select (generation 1).

RoHS

ACCESSORIES

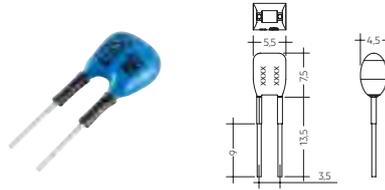
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG Deactivation	28001462	Blue	CHRO OFF	-	-	-	0.001 kg



Driver LCA 120W 350–1050mA one4all C PRE OTD

PREMIUM outdoor series

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 350 – 1,050 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 120 W
- Power input on stand-by < 0.15 W
- Dimming range 10–100 %
- Nominal life-time up to 100,000 h and 5-year guarantee

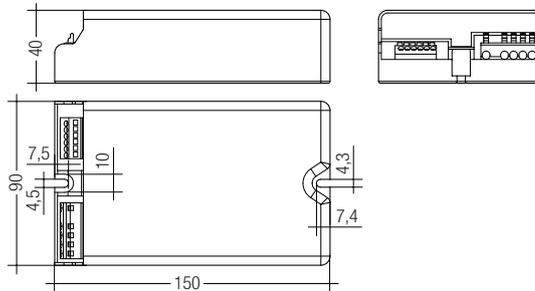


Housing properties

- Compact plastic casing with type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION V2)
- ready2mains (configuration and dimming via mains)
- U6Me2 (configuration of chronoSTEP 2 via mains)
- Terminal blocks: 45° / 0° push terminals



Functions

- Adjustable output current (DALI, ready2mains, I-select 2)
- Programmable chronoSTEP: times and levels (DALI, U6Me2, ready2mains)
- Constant light output function (CLO)
- Configurable via ready2mains
- Low-temperature start feature (-40 to +70 °C temperature range)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Reliability proven by life-time up to 100,000 h and 5-year guarantee
- Flexible configuration via DALI, ready2mains, U6Me2 and I-select 2
- In-field programming possible after installation
- High overvoltage protection: up to 10 kV asymmetric (protection class I and II)

Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	393 – 566 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	82 – 110 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 390 µA
Max. input power	130 W
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	93.5 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.99
Typ. power input on stand-by ³⁾	< 0.15 W
In-rush current (peak / duration)	55 A / 310 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 5 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 660 ms
Starting time (DC mode)	< 650 ms
Switchover time (AC/DC)	< 80 ms
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ^{1) 4)}	± 3 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 4 %
Max. output voltage	300 V
Dimming range	10–100 %
Mains surge capability (between L – N) ⁵⁾	6 kV / 3,000 A
Mains surge capability (between L/N – PE)	6 kV
Mains surge capability up to (between L/N - PE) without DALI connection	10 kV
Burst protection ⁶⁾	6 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	150 x 90 x 40 mm

Typical applications

- Road, street and industry
 - For luminaires of protection class I and protection class II
- For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 120W 350-1050mA one4all C PRE OTD	28001073	5 pc(s).	300 pc(s).	0.762 kg
LCA 120W 350-1050mA one4all C PRE OTD	87500657	5 pc(s).	120 pc(s).	0.768 kg

Specific technical data

Type	Output current ^{1) 4)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select 2 resistor value ⁷⁾
LCA 120W 350-1050mA one4all C PRE OTD	350 mA	75 V	230 V	80.5 W	88.6 W	393 mA	100 °C	-40 ... +65 °C	open
	400 mA	75 V	230 V	92.0 W	100.4 W	443 mA	100 °C	-40 ... +65 °C	12.50 kΩ
	450 mA	75 V	230 V	103.5 W	112.3 W	494 mA	100 °C	-40 ... +65 °C	11.11 kΩ
	500 mA	75 V	230 V	115.0 W	124.4 W	546 mA	100 °C	-40 ... +65 °C	10.00 kΩ
	550 mA	75 V	218 V	120.0 W	129.3 W	565 mA	100 °C	-40 ... +65 °C	9.09 kΩ
	600 mA	75 V	200 V	120.0 W	128.8 W	563 mA	100 °C	-40 ... +65 °C	8.33 kΩ
	650 mA	75 V	185 V	120.0 W	128.7 W	564 mA	90 °C	-40 ... +70 °C	7.69 kΩ
	700 mA	75 V	171 V	120.0 W	128.4 W	562 mA	90 °C	-40 ... +70 °C	7.14 kΩ
	750 mA	75 V	160 V	120.0 W	128.6 W	561 mA	90 °C	-40 ... +70 °C	6.67 kΩ
	800 mA	75 V	150 V	120.0 W	128.6 W	563 mA	90 °C	-40 ... +70 °C	6.25 kΩ
	850 mA	75 V	141 V	120.0 W	128.7 W	563 mA	90 °C	-40 ... +70 °C	5.88 kΩ
	900 mA	75 V	133 V	120.0 W	128.9 W	563 mA	85 °C	-40 ... +65 °C	5.56 kΩ
	950 mA	75 V	126 V	120.0 W	129.1 W	565 mA	85 °C	-40 ... +65 °C	5.26 kΩ
	1,000 mA	75 V	120 V	120.0 W	129.2 W	565 mA	85 °C	-40 ... +65 °C	5.00 kΩ
	1,050 mA	75 V	114 V	120.0 W	130.0 W	566 mA	85 °C	-40 ... +65 °C	4.76 kΩ

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ L-N acc. to EN 61000-4-5, 2 Ohm, 12/50 µs, 8/20 µs.

⁶⁾ Also applies to corridorFUNCTION.

⁷⁾ Not compatible with I-select (Generation 1).

RoHS

ACCESSORIES

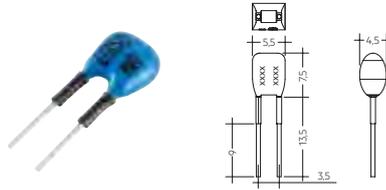
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG Deactivation	28001462	Blue	CHRO OFF	–	–	–	0.001 kg



Driver LCA 160W 350–1050mA one4all C PRE OTD

PREMIUM outdoor series

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 350 – 1,050 mA via ready2mains Programmer, I-select 2 plugs or DALI
- Max. output power 160 W
- Power input on stand-by < 0,15 W
- Dimming range 10–100 %
- Nominal life-time up to 100,000 h and 5-year guarantee

Housing properties

- Compact plastic casing with type of protection IP20

Interfaces

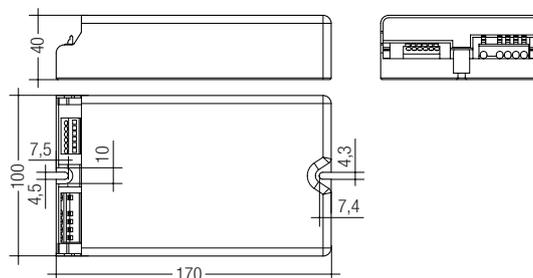
- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION V2)
- ready2mains (configuration and dimming via mains)
- U6Me2 (configuration of chronoSTEP 2 via mains)
- Terminal blocks: 45° / 0° push terminals

Functions

- Adjustable output current (DALI, ready2mains, I-select 2)
- Programmable chronoSTEP: times and levels (DALI, U6Me2, ready2mains)
- Constant light output function (CLO)
- Configurable via ready2mains
- Low-temperature start feature (-40 to +65 °C temperatur range)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Reliability proven by life-time up to 100,000 h and 5-year guarantee
- Flexible configuration via DALI, ready2mains, U6Me2 and I-select 2
- In-field programming possible after installation
- High overvoltage protection: up to 10 kV asymmetric (protection class I and II)



Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ¹⁾²⁾	529 – 751 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	107 – 132 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾²⁾	< 380 µA
Max. input power	172.5 W
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	94 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.99
Typ. power input on stand-by ²⁾	< 015 W
In-rush current (peak / duration)	70 A / 290 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 4.2 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 640 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC)	< 80 ms
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ¹⁾⁴⁾	± 3 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 4.5 %
Max. output voltage	400 V
Dimming range	10–100 %
Mains surge capability (between L – N) ⁵⁾	6 kV / 3,000 A
Mains surge capability (between L/N – PE)	6 kV
Mains surge capability up to (between L/N – PE) without DALI connection	10 kV
Burst protection ⁶⁾	6 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	170 x 100 x 40 mm

Typical applications

- Road, street and industry
 - For luminaires of protection class I and protection class II
- For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 160W 350-1050mA one4all C PRE OTD	28001074	5 pc(s).	300 pc(s).	0.943 kg
LCA 160W 350-1050mA one4all C PRE OTD	87500658	5 pc(s).	105 pc(s).	0.961 kg

Specific technical data

Type	Output current ¹⁾⁴⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select 2 resistor value ⁷⁾
LCA 160W 350-1050mA one4all C PRE OTD	350 mA	105 V	320.0 V	112 W	120.9 W	529 mA	100 °C	-40 ... +65 °C	open
	400 mA	105 V	320.0 V	128 W	137.2 W	600 mA	100 °C	-40 ... +65 °C	12.50 kΩ
	450 mA	105 V	320.0 V	144 W	153.6 W	671 mA	100 °C	-40 ... +60 °C	1111 kΩ
	500 mA	105 V	320.0 V	160 W	170.2 W	744 mA	100 °C	-40 ... +60 °C	10.00 kΩ
	550 mA	105 V	290.9 V	160 W	170.1 W	742 mA	100 °C	-40 ... +60 °C	9.09 kΩ
	600 mA	105 V	266.7 V	160 W	169.7 W	741 mA	95 °C	-40 ... +65 °C	8.33 kΩ
	650 mA	105 V	246.2 V	160 W	169.5 W	742 mA	95 °C	-40 ... +65 °C	7.69 kΩ
	700 mA	105 V	228.6 V	160 W	169.6 W	743 mA	95 °C	-40 ... +65 °C	7.14 kΩ
	750 mA	105 V	213.3 V	160 W	170.0 W	743 mA	95 °C	-40 ... +65 °C	6.67 kΩ
	800 mA	105 V	200.0 V	160 W	170.3 W	743 mA	95 °C	-40 ... +65 °C	6.25 kΩ
	850 mA	105 V	188.2 V	160 W	170.4 W	743 mA	95 °C	-40 ... +65 °C	5.88 kΩ
	900 mA	105 V	177.8 V	160 W	170.8 W	746 mA	95 °C	-40 ... +65 °C	5.56 kΩ
	950 mA	105 V	168.4 V	160 W	171.5 W	748 mA	95 °C	-40 ... +65 °C	5.26 kΩ
	1,000 mA	105 V	160.0 V	160 W	172.5 W	751 mA	95 °C	-40 ... +65 °C	5.00 kΩ
	1,050 mA	105 V	152.4 V	160 W	170.7 W	745 mA	95 °C	-40 ... +65 °C	4.76 kΩ

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ L-N acc. to EN 61000-4-5, 2 Ohm, 1.2/50 µs, 8/20 µs.

⁶⁾ Also applies to corridorFUNCTION.

⁷⁾ Not compatible with I-select (generation 1).

RoHS

ACCESSORIES

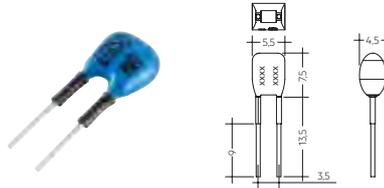
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG Deactivation	28001462	Blue	CHRO OFF	-	-	-	0.001 kg



NEW

Driver LCO 14W 100–500mA 38V one4all NF C EXC3

EXCITE outdoor series

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 100 – 500 mA via NFC, DALI or ready2mains™ Programmer⁸⁾
- Max. output power 14 W
- Lowest power input on stand-by < 0.16 W
- Up to 87 % efficiency
- Dimming range 5 – 100 % (min. 5 mA)
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time of 100,000 h and 8-year guarantee

Interfaces

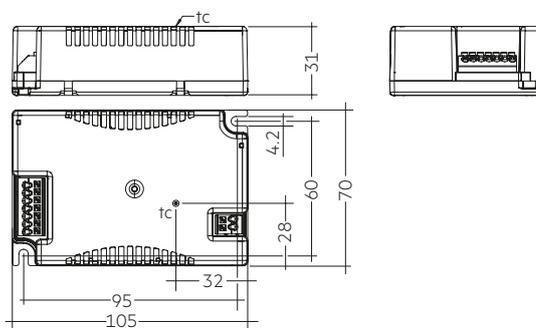
- Near field communication (NFC)⁸⁾
- one4all (DALI-2 DT 6, DSI, switchDIM, corridorFUNCTION V2)
- ready2mains™ (configuration via mains)
- U6Me2 (configuration of chronoSTEP 2 via mains)
- Terminal blocks: 45° push terminals

Functions

- Adjustable output current (NFC, DALI, ready2mains™)⁸⁾
- Programmable chronoSTEP: times and levels (NFC, DALI, U6Me2, ready2mains™)⁸⁾
- Dimming through mains voltage (inputDIM)
- Enhanced constant light output function (CLO)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Configurable internal temperature management (ITM)
- Input voltage regulation (IVG)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via NFC, DALI, ready2mains™ and U6Me2⁸⁾
- In-field programming possible after installation with NFC interface and ready2mains™⁸⁾
- High overvoltage protection: up to 10 kV (3 pulses) asymmetric (protection class I and II)

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
inputDIM voltage range	170 – 250 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	28 – 75 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	7 – 10 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 325 µA
Max. input power	17 W
Typ. efficiency (at 230 V / 50 Hz / full load) ^{2) 7)}	87 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.97
Typ. power input on stand-by ³⁾	< 0.16 W
In-rush current (peak / duration)	9.2 A / 253 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 8 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 750 ms
Starting time (DC mode)	< 800 ms
Switchover time (AC/DC)	< 300 ms
Turn off time (at 230 V, 50 Hz, full load)	< 500 ms
Output current tolerance ^{1) 4)}	± 3 %
Max. peak output current (non-repetitive)	≤ output current + 15 %
Output LF current ripple (< 120 Hz)	± 3.3 %
Max. output voltage (U-OUT)	60 V
Dimming range	5 – 100 % (min. 5 mA)
Mains surge capability (between L – N) ⁵⁾	6 kV / 3 kA
Mains surge capability (between L/N – PE)	5 kV
Mains surge capability up to (between L/N – PE) without DALI connection	8 kV (10 kV at 3 pulses)
Burst protection ⁴⁾	5 kV
Surge voltage at output side (against PE)	< 1 kV
Dimensions L x W x H	105 x 70 x 31 mm

Typical applications

- Road, street and industry

→ For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number ⁸⁾	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 14/100-500/38 o4a NF C EXC3	87500707	20 pc(s).	1,600 pc(s).	0.154 kg

Specific technical data

Type	Output current ⁶⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.
LCO 14/100-500/38 o4a NF C EXC3	100 mA	22.4 V	38.0 V	3.8 W	5.5 W	28 mA	75 °C	-40 ... +70 °C
	150 mA	14.9 V	38.0 V	5.7 W	7.6 W	37 mA	80 °C	-40 ... +70 °C
	200 mA	12.0 V	38.0 V	7.6 W	9.8 W	46 mA	80 °C	-40 ... +70 °C
	300 mA	12.0 V	38.0 V	11.4 W	13.7 W	62 mA	80 °C	-40 ... +70 °C
	350 mA	12.0 V	38.0 V	13.3 W	15.8 W	71 mA	90 °C	-40 ... +70 °C
	400 mA	12.0 V	35.0 V	14.0 W	16.6 W	75 mA	85 °C	-40 ... +70 °C
	450 mA	12.0 V	31.1 V	14.0 W	16.5 W	74 mA	85 °C	-40 ... +70 °C
	500 mA	12.0 V	28.0 V	14.0 W	16.5 W	74 mA	85 °C	-40 ... +70 °C

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Also applies to corridorFUNCTION.

⁵⁾ L-N acc. to EN 61000-4-5, 2 Ohm, 1.2/50 µs, 8/20 µs.

⁶⁾ Output current is mean value.

⁷⁾ Tolerance range ±5 %.

⁸⁾ NFC function available at 4th quarter 2018.



NEW

Driver LCO 24W 200–1050mA 39V one4all NF C EXC3

EXCITE outdoor series

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 200 – 1,050 mA via NFC, DALI or ready2mains™ Programmer⁸⁾
- Max. output power 24 W
- Power input on stand-by < 0.16 W
- Up to 88 % efficiency
- Dimming range 5 – 100 % (min. 10 mA)
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time of 100,000 h and 8-year guarantee

Interfaces

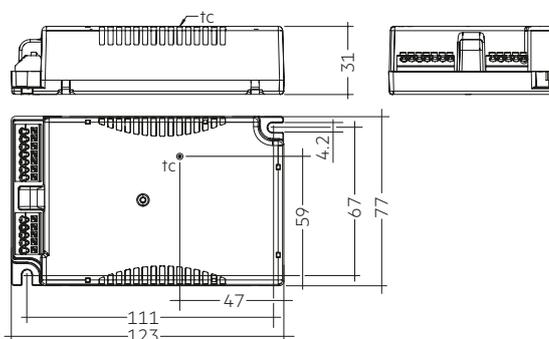
- Near field communication (NFC)⁸⁾
- one4all (DALI-2 DT 6, DSI, switchDIM, corridorFUNCTION V2)
- ready2mains™ (configuration via mains)
- U6Me2 (configuration of chronoSTEP 2 via mains)
- Terminal blocks: 45° push terminals

Functions

- Adjustable output current (NFC, DALI, ready2mains™)⁸⁾
- Programmable chronoSTEP: times and levels (NFC, DALI, U6Me2, ready2mains™)⁸⁾
- Dimming through mains voltage (inputDIM)
- Enhanced constant light output function (CLO)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Configurable external temperature management (ETM)
- Configurable internal temperature management (ITM)
- Input voltage regulation (IVG)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via NFC, DALI, ready2mains™ and U6Me2⁸⁾
- In-field programming possible after installation with NFC interface and ready2mains™⁸⁾
- High overvoltage protection: up to 10 kV (3 pulses) asymmetric (protection class I and II)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
inputDIM voltage range	170 – 250 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	40 – 128 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	9 – 25 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 325 µA
Max. input power	28.5 W
Typ. efficiency (at 230 V / 50 Hz / full load) ^{2) 7)}	88 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.97
Typ. power input on stand-by ³⁾	< 0.16 W
In-rush current (peak / duration)	14.88 A / 226 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 7 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 750 ms
Starting time (DC mode)	< 800 ms
Switchover time (AC/DC)	< 300 ms
Turn off time (at 230 V, 50 Hz, full load)	< 500 ms
Output current tolerance ^{1) 4)}	± 3 %
Max. peak output current (non-repetitive)	≤ output current + 15 %
Output LF current ripple (< 120 Hz)	± 3.3 %
Max. output voltage (HV)	60 V
Max. output voltage (LV)	30 V
Dimming range	5 – 100 % (min. 10 mA)
Mains surge capability (between L – N) ⁵⁾	6 kV / 3 kA
Mains surge capability (between L/N – PE)	6 kV
Mains surge capability up to (between L/N – PE) without DALI connection	8 kV (10 kV at 3 pulses)
Burst protection ⁴⁾	6 kV
Surge voltage at output side (against PE)	< 1 kV
Dimensions L x W x H	123 x 77 x 31 mm

Typical applications

- Road, street and industry
- For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number ⁸⁾	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 24/200-1050/39 o4a NF C EXC3	87500708	20 pc(s).	1,200 pc(s).	0.212 kg

Specific technical data

Type	Output current ⁶⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.
High voltage output (HV)								
LCO 24/200-1050/39 o4a NF C EXC3	200 mA	19.2 V	39.0 V	7.8 W	10.4 W	51 mA	80 °C	-40 ... +70 °C
	250 mA	19.0 V	39.0 V	9.8 W	12.4 W	60 mA	80 °C	-40 ... +70 °C
	300 mA	19.0 V	39.0 V	11.7 W	14.3 W	68 mA	80 °C	-40 ... +70 °C
	350 mA	19.0 V	39.0 V	13.7 W	16.4 W	76 mA	80 °C	-40 ... +70 °C
	400 mA	19.0 V	39.0 V	15.6 W	18.5 W	85 mA	80 °C	-40 ... +70 °C
	450 mA	19.0 V	39.0 V	17.6 W	20.4 W	95 mA	85 °C	-40 ... +70 °C
	500 mA	19.0 V	39.0 V	19.5 W	22.6 W	102 mA	85 °C	-40 ... +70 °C
	550 mA	19.0 V	39.0 V	21.5 W	24.6 W	111 mA	85 °C	-40 ... +70 °C
	600 mA	19.0 V	39.0 V	23.4 W	26.7 W	120 mA	85 °C	-40 ... +70 °C
	650 mA	19.0 V	36.9 V	24.0 W	27.3 W	124 mA	85 °C	-40 ... +70 °C
	700 mA	19.0 V	34.3 V	24.0 W	27.3 W	123 mA	85 °C	-40 ... +70 °C
	750 mA	19.0 V	32.0 V	24.0 W	27.3 W	123 mA	85 °C	-40 ... +70 °C
	800 mA	19.0 V	30.0 V	24.0 W	27.3 W	123 mA	85 °C	-40 ... +70 °C
	850 mA	19.0 V	28.2 V	24.0 W	27.3 W	123 mA	85 °C	-40 ... +70 °C
	900 mA	19.0 V	26.7 V	24.0 W	27.3 W	123 mA	80 °C	-40 ... +65 °C
	950 mA	19.0 V	25.3 V	24.0 W	27.3 W	123 mA	80 °C	-40 ... +65 °C
	1,000 mA	19.0 V	24.0 V	24.0 W	27.3 W	123 mA	80 °C	-40 ... +65 °C
1,050 mA	19.0 V	22.9 V	24.0 W	27.4 W	123 mA	80 °C	-40 ... +65 °C	
Low voltage output (LV)								
LCO 24/200-1050/39 o4a NF C EXC3	200 mA	19.2 V	23.0 V	4.6 W	7.2 W	40 mA	75 °C	-40 ... +70 °C
	250 mA	15.4 V	23.0 V	5.8 W	8.5 W	43 mA	75 °C	-40 ... +70 °C
	300 mA	12.8 V	23.0 V	6.9 W	9.7 W	47 mA	75 °C	-40 ... +70 °C
	350 mA	11.0 V	23.0 V	8.1 W	11.0 W	54 mA	80 °C	-40 ... +70 °C
	400 mA	11.0 V	23.0 V	9.2 W	12.3 W	60 mA	80 °C	-40 ... +70 °C
	450 mA	11.0 V	23.0 V	10.4 W	13.5 W	65 mA	80 °C	-40 ... +70 °C
	500 mA	11.0 V	23.0 V	11.5 W	14.9 W	70 mA	80 °C	-40 ... +70 °C
	550 mA	11.0 V	23.0 V	12.7 W	16.1 W	75 mA	80 °C	-40 ... +70 °C
	600 mA	11.0 V	23.0 V	13.8 W	17.5 W	81 mA	85 °C	-40 ... +70 °C
	650 mA	11.0 V	23.0 V	15.0 W	18.8 W	86 mA	85 °C	-40 ... +70 °C
	700 mA	11.0 V	23.0 V	16.1 W	20.0 W	92 mA	85 °C	-40 ... +70 °C
	750 mA	11.0 V	23.0 V	17.3 W	21.2 W	96 mA	85 °C	-40 ... +70 °C
	800 mA	11.0 V	23.0 V	18.4 W	22.3 W	101 mA	85 °C	-40 ... +70 °C
	850 mA	11.0 V	23.0 V	19.6 W	23.5 W	107 mA	85 °C	-40 ... +70 °C
	900 mA	11.0 V	23.0 V	20.7 W	24.7 W	112 mA	80 °C	-40 ... +65 °C
	950 mA	11.0 V	23.0 V	21.9 W	25.8 W	117 mA	80 °C	-40 ... +65 °C
	1,000 mA	11.0 V	23.0 V	23.0 W	27.4 W	124 mA	80 °C	-40 ... +65 °C
1,050 mA	11.0 V	22.9 V	24.0 W	28.3 W	128 mA	80 °C	-40 ... +65 °C	

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Also applies to corridorFUNCTION.

⁵⁾ L-N acc. to EN 61000-4-5. 2 Ohm, 12/50 µs, 8/20 µs.

⁶⁾ Output current is mean value.

⁷⁾ Tolerance range ±5 %.

⁸⁾ NFC function available at 4th quarter 2018.



NEW

Driver LCO 40W 200–1050mA 64V one4all NF C EXC3

EXCITE outdoor series

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 200 – 1,050 mA via NFC, DALI or ready2mains™ Programmer⁸⁾
- Max. output power 40 W
- Power input on stand-by < 0.16 W
- Up to 91 % efficiency
- Dimming range 5 – 100 % (min. 10 mA)
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time of 100,000 h and 8-year guarantee

Interfaces

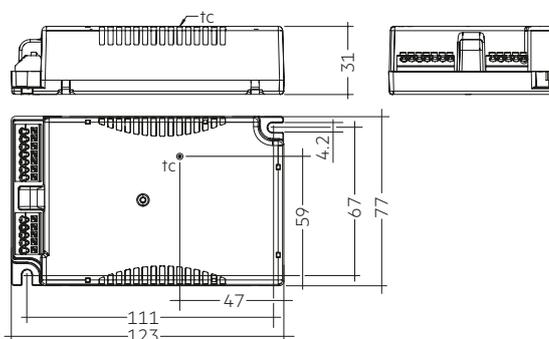
- Near field communication (NFC)⁸⁾
- one4all (DALI-2 DT 6, DSI, switchDIM, corridorFUNCTION V2)
- ready2mains™ (configuration via mains)
- U6Me2 (configuration of chronoSTEP 2 via mains)
- Terminal blocks: 45° push terminals

Functions

- Adjustable output current (NFC, DALI, ready2mains™)⁸⁾
- Programmable chronoSTEP: times and levels (NFC, DALI, U6Me2, ready2mains™)⁸⁾
- Dimming through mains voltage (inputDIM)
- Enhanced constant light output function (CLO)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Configurable external temperature management (ETM)
- Configurable internal temperature management (ITM)
- Input voltage regulation (IVG)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via NFC, DALI, ready2mains™ and U6Me2⁸⁾
- In-field programming possible after installation with NFC interface and ready2mains⁸⁾
- High overvoltage protection: up to 10 kV (3 pulses) asymmetric (protection class I and II)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
inputDIM voltage range	170 – 250 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	56 – 200 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	10 – 35 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 325 µA
Max. input power	46 W
Typ. efficiency (at 230 V / 50 Hz / full load) ^{2) 7)}	91 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.97
Typ. power input on stand-by ³⁾	< 0.16 W
In-rush current (peak / duration)	24.88 A / 236 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 8 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 750 ms
Starting time (DC mode)	< 800 ms
Switchover time (AC/DC)	< 300 ms
Turn off time (at 230 V, 50 Hz, full load)	< 500 ms
Output current tolerance ^{1) 4)}	± 3 %
Max. peak output current (non-repetitive)	≤ output current + 15 %
Output LF current ripple (< 120 Hz)	± 3.3 %
Max. output voltage (HV)	90 V
Max. output voltage (LV)	50 V
Dimming range	5 – 100 % (min. 10 mA)
Mains surge capability (between L – N) ⁵⁾	6 kV / 3 kA
Mains surge capability (between L/N – PE)	6 kV
Mains surge capability up to (between L/N – PE) without DALI connection	8 kV (10 kV at 3 pulses)
Burst protection ⁴⁾	6 kV
Surge voltage at output side (against PE)	< 1 kV
Dimensions L x W x H	123 x 77 x 31 mm

Typical applications

- Road, street and industry

→ For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number ⁸⁾	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 40/200-1050/64 o4a NF C EXC3	87500709	20 pc(s).	1,200 pc(s).	0.211 kg

Specific technical data

Type	Output current ⁶⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.
High voltage output (HV)								
LCO 40/200-1050/64 o4a NF C EXC3	200 mA	32.0 V	64.0 V	12.8 W	15.8 W	76 mA	90 °C	-40 ... +70 °C
	250 mA	30.0 V	64.0 V	16.0 W	19.1 W	88 mA	90 °C	-40 ... +70 °C
	300 mA	30.0 V	64.0 V	19.2 W	22.4 W	101 mA	90 °C	-40 ... +70 °C
	350 mA	30.0 V	64.0 V	22.4 W	25.7 W	116 mA	90 °C	-40 ... +70 °C
	400 mA	30.0 V	64.0 V	25.6 W	30.5 W	130 mA	90 °C	-40 ... +70 °C
	450 mA	30.0 V	64.0 V	28.8 W	32.5 W	148 mA	90 °C	-40 ... +70 °C
	500 mA	30.0 V	64.0 V	32.0 W	35.9 W	160 mA	90 °C	-40 ... +70 °C
	550 mA	30.0 V	64.0 V	35.2 W	39.5 W	174 mA	95 °C	-40 ... +70 °C
	600 mA	30.0 V	64.0 V	38.4 W	42.8 W	191 mA	95 °C	-40 ... +70 °C
	650 mA	30.0 V	61.5 V	40.0 W	44.3 W	195 mA	95 °C	-40 ... +70 °C
	700 mA	30.0 V	57.1 V	40.0 W	44.2 W	196 mA	95 °C	-40 ... +70 °C
	750 mA	30.0 V	53.3 V	40.0 W	44.0 W	195 mA	95 °C	-40 ... +70 °C
	800 mA	30.0 V	50.0 V	40.0 W	44.0 W	195 mA	95 °C	-40 ... +70 °C
	850 mA	30.0 V	47.1 V	40.0 W	44.1 W	195 mA	90 °C	-40 ... +65 °C
	900 mA	30.0 V	44.4 V	40.0 W	44.0 W	195 mA	90 °C	-40 ... +65 °C
	950 mA	30.0 V	42.1 V	40.0 W	44.2 W	195 mA	90 °C	-40 ... +65 °C
	1,000 mA	30.0 V	40.0 V	40.0 W	43.9 W	194 mA	90 °C	-40 ... +65 °C
1,050 mA	30.0 V	38.1 V	40.0 W	44.0 W	195 mA	90 °C	-40 ... +65 °C	
Low voltage output (LV)								
LCO 40/200-1050/64 o4a NF C EXC3	200 mA	32.0 V	38.0 V	7.6 W	10.7 W	56 mA	85 °C	-40 ... +70 °C
	250 mA	25.6 V	38.0 V	9.5 W	12.8 W	64 mA	85 °C	-40 ... +70 °C
	300 mA	21.3 V	38.0 V	11.4 W	14.7 W	71 mA	90 °C	-40 ... +70 °C
	350 mA	18.3 V	38.0 V	13.3 W	16.8 W	79 mA	90 °C	-40 ... +70 °C
	400 mA	18.0 V	38.0 V	15.2 W	18.7 W	87 mA	90 °C	-40 ... +70 °C
	450 mA	18.0 V	38.0 V	17.1 W	21.0 W	95 mA	90 °C	-40 ... +70 °C
	500 mA	18.0 V	38.0 V	19.0 W	22.7 W	104 mA	90 °C	-40 ... +70 °C
	550 mA	18.0 V	38.0 V	20.9 W	24.8 W	112 mA	90 °C	-40 ... +70 °C
	600 mA	18.0 V	38.0 V	22.8 W	26.8 W	121 mA	90 °C	-40 ... +70 °C
	650 mA	18.0 V	38.0 V	24.7 W	29.0 W	130 mA	90 °C	-40 ... +70 °C
	700 mA	18.0 V	38.0 V	26.6 W	31.0 W	138 mA	95 °C	-40 ... +70 °C
	750 mA	18.0 V	38.0 V	28.5 W	33.0 W	147 mA	95 °C	-40 ... +70 °C
	800 mA	18.0 V	38.0 V	30.4 W	34.8 W	155 mA	95 °C	-40 ... +70 °C
	850 mA	18.0 V	38.0 V	32.3 W	37.0 W	163 mA	90 °C	-40 ... +65 °C
	900 mA	18.0 V	38.0 V	34.2 W	39.0 W	173 mA	90 °C	-40 ... +65 °C
	950 mA	18.0 V	38.0 V	36.1 W	41.0 W	181 mA	90 °C	-40 ... +65 °C
	1,000 mA	18.0 V	38.0 V	38.0 W	42.9 W	190 mA	90 °C	-40 ... +65 °C
1,050 mA	18.0 V	38.0 V	39.9 W	45.0 W	200 mA	90 °C	-40 ... +65 °C	

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Also applies to corridorFUNCTION.

⁵⁾ L-N acc. to EN 61000-4-5. 2 Ohm, 12/50 µs, 8/20 µs.

⁶⁾ Output current is mean value.

⁷⁾ Tolerance range ±5 %.

⁸⁾ NFC function available at 4th quarter 2018.



NEW

Driver LCO 60W 200–1050mA 100V one4all NF C EXC3

EXCITE outdoor series

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 200 – 1,050 mA via NFC, DALI or ready2mains™ Programmer⁸⁾
- Max. output power 60 W
- Power input on stand-by < 0.16 W
- Up to 92 % efficiency
- Dimming range 5 – 100 % (min. 10 mA)
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time of 100,000 h and 8-year guarantee

Interfaces

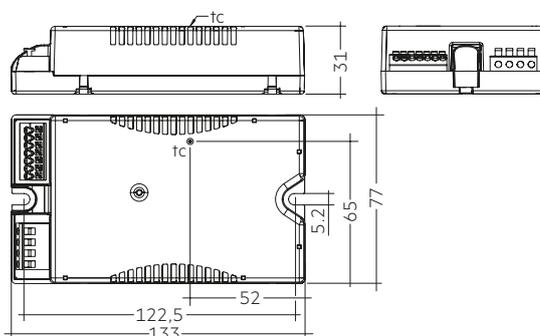
- Near field communication (NFC)⁸⁾
- one4all (DALI-2 DT 6, DSI, switchDIM, corridorFUNCTION V2)
- ready2mains™ (configuration via mains)
- U6Me2 (configuration of chronoSTEP 2 via mains)
- Terminal blocks: 45° / 0° push terminals

Functions

- Adjustable output current (NFC, DALI, ready2mains™)⁸⁾
- Programmable chronoSTEP: times and levels (NFC, DALI, U6Me2, ready2mains™)⁸⁾
- Dimming through mains voltage (inputDIM)
- Enhanced constant light output function (CLO)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Configurable external temperature management (ETM)
- Configurable internal temperature management (ITM)
- Input voltage regulation (IVG)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via NFC, DALI, ready2mains™ and U6Me2⁸⁾
- In-field programming possible after installation with NFC interface and ready2mains™⁸⁾
- High overvoltage protection: up to 10 kV (3 pulses) asymmetric (protection class I and II)

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
inputDIM voltage range	170 – 250 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	77 – 289 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	15 – 54 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 325 µA
Max. input power	68 W
Typ. efficiency (at 230 V / 50 Hz / full load) ^{2) 7)}	92 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.97
Typ. power input on stand-by ³⁾	< 0.16 W
In-rush current (peak / duration)	32 A / 355 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 8 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 750 ms
Starting time (DC mode)	< 800 ms
Switchover time (AC/DC)	< 300 ms
Turn off time (at 230 V, 50 Hz, full load)	< 500 ms
Output current tolerance ^{1) 4)}	± 3 %
Max. peak output current (non-repetitive)	≤ output current + 15 %
Output LF current ripple (< 120 Hz)	± 3.3 %
Max. output voltage (HV)	130 V
Max. output voltage (LV)	80 V
Dimming range	5 – 100 % (min. 10 mA)
Mains surge capability (between L – N) ⁵⁾	6 kV / 3 kA
Mains surge capability (between L/N – PE)	6 kV
Mains surge capability up to (between L/N – PE) without DALI connection	8 kV (10 kV at 3 pulses)
Burst protection ⁴⁾	6 kV
Surge voltage at output side (against PE)	< 1 kV
Dimensions L x W x H	133 x 77 x 31 mm

Typical applications

- Road, street and industry

→ For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number ⁸⁾	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 60/200-1050/100 o4a NF C EXC3	87500710	20 pc(s).	1,200 pc(s).	0.237 kg

Specific technical data

Type	Output current ⁶⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.
High voltage output (HV)								
LCO 60/200-1050/100 o4a NF C EXC3	200 mA	48.0 V	100.0 V	20.0 W	24.3 W	116 mA	95 °C	-40 ... +70 °C
	250 mA	47.0 V	100.0 V	25.0 W	30.2 W	143 mA	95 °C	-40 ... +70 °C
	300 mA	47.0 V	100.0 V	30.0 W	34.7 W	162 mA	90 °C	-40 ... +65 °C
	350 mA	47.0 V	100.0 V	35.0 W	40.6 W	182 mA	85 °C	-40 ... +60 °C
	400 mA	47.0 V	100.0 V	40.0 W	45.4 W	202 mA	85 °C	-40 ... +60 °C
	450 mA	47.0 V	100.0 V	45.0 W	51.5 W	228 mA	80 °C	-40 ... +55 °C
	500 mA	47.0 V	100.0 V	50.0 W	60.0 W	247 mA	80 °C	-40 ... +55 °C
	550 mA	47.0 V	100.0 V	55.0 W	62.4 W	275 mA	85 °C	-40 ... +55 °C
	600 mA	47.0 V	100.0 V	60.0 W	66.5 W	293 mA	85 °C	-40 ... +55 °C
	650 mA	47.0 V	92.3 V	60.0 W	66.0 W	290 mA	85 °C	-40 ... +55 °C
	700 mA	47.0 V	85.7 V	60.0 W	65.9 W	290 mA	85 °C	-40 ... +55 °C
	750 mA	47.0 V	80.0 V	60.0 W	66.0 W	290 mA	85 °C	-40 ... +55 °C
	800 mA	47.0 V	75.0 V	60.0 W	65.5 W	289 mA	85 °C	-40 ... +55 °C
	850 mA	47.0 V	70.6 V	60.0 W	65.4 W	288 mA	85 °C	-40 ... +55 °C
	900 mA	47.0 V	66.7 V	60.0 W	65.7 W	289 mA	85 °C	-40 ... +55 °C
	950 mA	47.0 V	63.2 V	60.0 W	65.7 W	289 mA	85 °C	-40 ... +55 °C
	1,000 mA	47.0 V	60.0 V	60.0 W	65.6 W	289 mA	85 °C	-40 ... +55 °C
1,050 mA	47.0 V	57.1 V	60.0 W	65.6 W	289 mA	85 °C	-40 ... +55 °C	
Low voltage output (LV)								
LCO 60/200-1050/100 o4a NF C EXC3	200 mA	48.0 V	59.0 V	11.8 W	15.6 W	77 mA	90 °C	-40 ... +70 °C
	250 mA	38.4 V	59.0 V	14.8 W	18.9 W	90 mA	90 °C	-40 ... +70 °C
	300 mA	32.0 V	59.0 V	17.7 W	22.1 W	103 mA	90 °C	-40 ... +70 °C
	350 mA	28.0 V	59.0 V	20.7 W	25.1 W	116 mA	90 °C	-40 ... +70 °C
	400 mA	28.0 V	59.0 V	23.6 W	27.9 W	128 mA	90 °C	-40 ... +70 °C
	450 mA	28.0 V	59.0 V	26.6 W	31.3 W	142 mA	90 °C	-40 ... +65 °C
	500 mA	28.0 V	59.0 V	29.5 W	34.5 W	156 mA	90 °C	-40 ... +65 °C
	550 mA	28.0 V	59.0 V	32.5 W	38.1 W	171 mA	85 °C	-40 ... +60 °C
	600 mA	28.0 V	59.0 V	35.4 W	40.8 W	182 mA	85 °C	-40 ... +60 °C
	650 mA	28.0 V	59.0 V	38.4 W	44.0 W	196 mA	85 °C	-40 ... +60 °C
	700 mA	28.0 V	59.0 V	41.3 W	47.1 W	209 mA	85 °C	-40 ... +60 °C
	750 mA	28.0 V	59.0 V	44.3 W	50.3 W	223 mA	85 °C	-40 ... +55 °C
	800 mA	28.0 V	59.0 V	47.2 W	53.7 W	238 mA	85 °C	-40 ... +55 °C
	850 mA	28.0 V	59.0 V	50.2 W	55.9 W	247 mA	85 °C	-40 ... +55 °C
	900 mA	28.0 V	59.0 V	53.1 W	59.0 W	260 mA	85 °C	-40 ... +55 °C
	950 mA	28.0 V	59.0 V	56.1 W	62.3 W	274 mA	85 °C	-40 ... +55 °C
	1,000 mA	28.0 V	59.0 V	59.0 W	65.2 W	287 mA	85 °C	-40 ... +55 °C
1,050 mA	28.0 V	57.1 V	60.0 W	65.2 W	287 mA	85 °C	-40 ... +55 °C	

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Also applies to corridorFUNCTION.

⁵⁾ L-N acc. to EN 61000-4-5, 2 Ohm, 1,2/50 µs, 8/20 µs.

⁶⁾ Output current is mean value.

⁷⁾ Tolerance range ±5 %.

⁸⁾ NFC function available at 4th quarter 2018.



NEW

Driver LCO 12W 350/500mA 0-10V C ADV UNV

ADVANCED outdoor series (UL certified)

Product description

- Constant current LED Driver
- Dimmable via 0 ... 10 V interface
- Dimming range 10 – 100 %
- Max. output power 12 W
- Up to 81.5 % efficiency
- Class 2 power supply
- FCC 15
- UL certified
- Only for US applications
- Dry and damp location
- 5-year guarantee

Housing properties

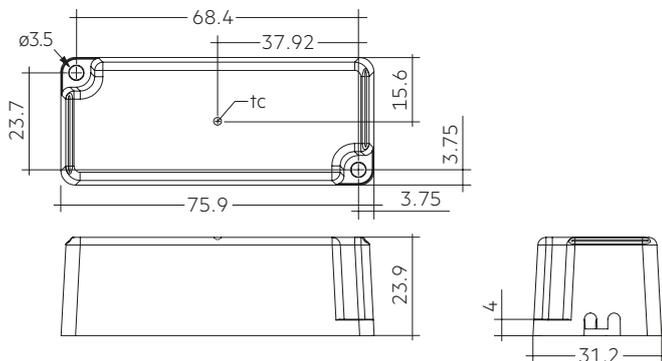
- Casing: polycarbonate, black
- Potted version
- Type of protection IP66

Functions

- Over voltage protection
- Short-circuit protection
- No-load protection

Typical applications

- For track lighting, small LED modules, light commercial, sconce, lantern
- For product data sheet go to www.tridonic.com, or available on request

**Technical data**

Rated supply voltage	100 – 277 V
AC voltage range	90 – 305 V
Mains frequency	50 / 60 Hz
Leakage current (at 120 V, 60 Hz, full load) ¹⁾	< 300 µA
Leakage current (at 277 V, 60 Hz, full load) ¹⁾	< 700 µA
Max. input power (at 120 V, 60 Hz, full load)	16 W
Max. input power (at 277 V, 60 Hz, full load)	16 W
λ (at 120 V, 60 Hz, full load) ¹⁾	0.98
λ (at 277 V, 60 Hz, full load) ¹⁾	0.95
Typ. input current in no-load operation (at 120 V, 60 Hz)	10 mA
Typ. input current in no-load operation (at 277 V, 60 Hz)	20 mA
Typ. input power in no-load operation (at 120 V, 60 Hz)	0.9 W
Typ. input power in no-load operation (at 277 V, 60 Hz)	1.6 W
Max. in-rush current (peak / duration at 120 V)	18 A / 1 µs
Max. in-rush current (peak / duration at 277 V)	35 A / 1 µs
THD (at 120 V, 60 Hz, full load) ¹⁾	< 6 %
THD (at 277 V, 60 Hz, full load) ¹⁾	< 10 %
Starting time (full load) ¹⁾	≤ 500 ms
Turn off time (full load)	< 200 ms
Output current tolerance ^{1) 2)}	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 66 %
Output LF current ripple (< 120 Hz)	< 30 %
Dimming range	10 – 100 %
Mains surge capability (between L - N)	2 kV
Dimensions L x W x H	75.9 x 31.2 x 23.9 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 12/350/36 0-10V C ADV UNV	28002252	50 pc(s).	2,400 pc(s).	0.08 kg
LCO 12/500/24 0-10V C ADV UNV	28002247	50 pc(s).	2,400 pc(s).	0.08 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output power (at 120 V, 60 Hz, full load)	Typ. power consumption (at 120 V, 60 Hz, full load)	Typ. current consumption (at 120 V, 60 Hz, full load)	Typ. efficiency (at 120 V, 60 Hz, full load)	Max. output power (at 277 V, 60 Hz, full load)	Typ. power consumption (at 277 V, 60 Hz, full load)	Typ. current consumption (at 277 V, 60 Hz, full load)	Typ. efficiency (at 277 V, 60 Hz, full load)	tc ³⁾	Ambient temperature ta
LCO 12/350/36 0-10V C ADV UNV	350 mA	18 V	36 V	37 V	12.6 W	15.7 W	130 mA	80.0 %	12.6 W	15.5 W	60 mA	81.5 %	85 °C	-30 ... +60 °C
LCO 12/500/24 0-10V C ADV UNV	500 mA	12 V	24 V	25V	12.0 W	15.3 W	130 mA	78.5 %	12.1 W	15.1 W	60 mA	80.0 %	85 °C	-30 ... +60 °C

¹⁾ Valid at 100 % dimming level.

²⁾ Output current is mean value.

³⁾ 5-year guarantee.



NEW

Driver LCO 12W 350/700mA pc C ADV UNV

ADVANCED outdoor series (UL certified)

Product description

- Constant current LED Driver
- Dimmable via leading edge and trailing edge phase dimmers
- Dimming range 10 – 100 %
- Max. output power 12 W
- Up to 84 % efficiency
- Class 2 power supply
- FCC 15
- UL certified
- Only for US applications
- Dry and damp location
- 5-year guarantee

Housing properties

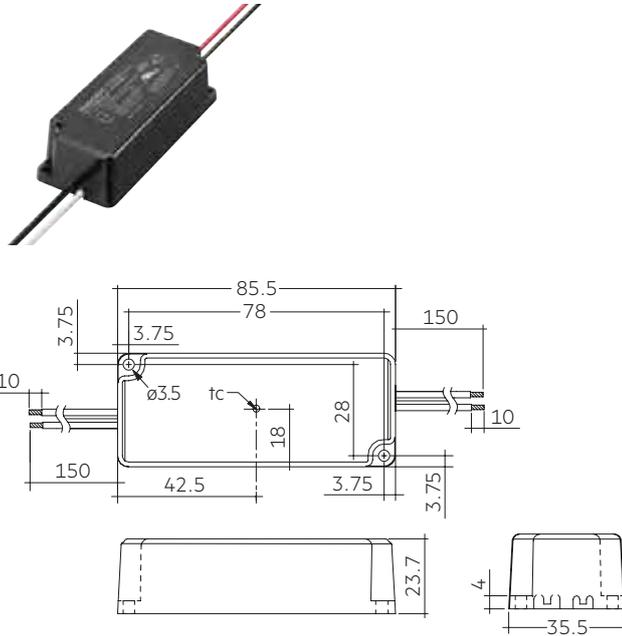
- Casing: polycarbonate, black
- Potted version
- Type of protection IP66

Functions

- Over voltage protection
- Short-circuit protection
- No-load protection

Typical applications

- For track lighting, small LED modules, light commercial, sconce, lantern
- For product data sheet go to www.tridonic.com, or available on request

**Technical data**

Rated supply voltage	120 V
AC voltage range	108 – 132 V
Mains frequency	50 / 60 Hz
Leakage current (at 120 V, 60 Hz, full load) ¹⁾	< 300 µA
Max. input power (at 120 V, 60 Hz, full load)	15 W
λ (at 120 V, 60 Hz, full load) ¹⁾	0.98
Typ. input current in no-load operation (at 120 V, 60 Hz)	10 mA
Typ. input power in no-load operation (at 120 V, 60 Hz)	0.9 W
Max. in-rush current (peak / duration at 120 V)	1.9 A / 1 µs
THD (at 120 V, 60 Hz, full load) ¹⁾	< 15 %
Starting time (full load) ¹⁾	≤ 1,000 ms
Turn off time (full load)	< 1,000 ms
Output current tolerance ¹⁾²⁾	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 20 %
Output LF current ripple (< 120 Hz)	< 15 %
Dimming range	10 – 100 %
Mains surge capability (between L - N)	2 kV
Dimensions L x W x H	85.5 x 35.5 x 23.7 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 12/350/36 pc C ADV UNV	28002246	50 pc(s).	2,400 pc(s).	0.08 kg
LCO 12/700/17 pc C ADV UNV	28002248	50 pc(s).	2,400 pc(s).	0.08 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output power (at 120 V, 60 Hz, full load)	Typ. power consumption (at 120 V, 60 Hz, full load)	Typ. current consumption (at 120 V, 60 Hz, full load)	Typ. efficiency (at 120 V, 60 Hz, full load)	tc ³⁾	Ambient temperature ta
LCO 12/350/36 pc C ADV UNV	350 mA	22 V	36 V	64 V	12.5 W	14.5 W	120 mA	84 %	75 °C	-30 ... +60 °C
LCO 12/700/17 pc C ADV UNV	700 mA	10 V	17 V	47 V	11.9 W	14.1 W	120 mA	82 %	75 °C	-30 ... +60 °C

¹⁾ Valid at 100 % dimming level.²⁾ Output current is mean value.³⁾ 5-year guarantee.



NEW

Driver LCO 20W 350/500/700mA 0-10V C ADV UNV

ADVANCED outdoor series (UL certified)

Product description

- Constant current LED Driver
- Dimmable via 0 ... 10 V interface
- Dimming range 10 – 100 %
- Max. output power 20 W
- Up to 87 % efficiency
- Class 2 power supply
- FCC 15
- UL certified
- Only for US applications
- Dry and damp location
- 5-year guarantee

Housing properties

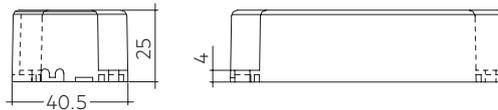
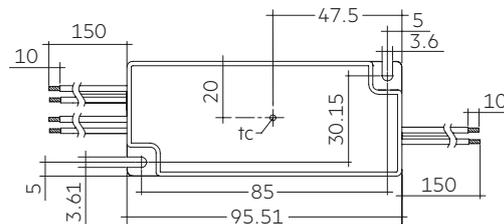
- Casing: polycarbonate, black
- Potted version
- Type of protection IP66

Functions

- Over voltage protection
- Short-circuit protection
- No-load protection

Typical applications

- For track lighting, small LED modules, light commercial, sconce, lantern
- For product data sheet go to www.tridonic.com, or available on request

**For standards see data sheet****Product / function matrix, [page 30](#)****Technical data**

Rated supply voltage	100 – 277 V
AC voltage range	90 – 305 V
Mains frequency	50 / 60 Hz
Leakage current (at 120 V, 60 Hz, full load) ¹⁾	< 300 µA
Leakage current (at 277 V, 60 Hz, full load) ¹⁾	< 700 µA
Max. input power (at 120 V, 60 Hz, full load)	24 W
Max. input power (at 277 V, 60 Hz, full load)	24 W
λ (at 120 V, 60 Hz, full load) ¹⁾	0.98
λ (at 277 V, 60 Hz, full load) ¹⁾	0.93C
Typ. input current in no-load operation (at 120 V, 60 Hz)	20 mA
Typ. input current in no-load operation (at 277 V, 60 Hz)	20 mA
Typ. input power in no-load operation (at 120 V, 60 Hz)	1 W
Typ. input power in no-load operation (at 277 V, 60 Hz)	1.7 W
Max. in-rush current (peak / duration at 120 V)	33 A / 2 µs
Max. in-rush current (peak / duration at 277 V)	40 A / 2 µs
THD (at 120 V, 60 Hz, full load) ¹⁾	< 8 %
THD (at 277 V, 60 Hz, full load) ¹⁾	< 15 %
Starting time (full load) ¹⁾	± 500 ms
Turn off time (full load)	< 200 ms
Output current tolerance ¹⁾²⁾	± 5 %
Max. output current peak (non-repetitive)	± output current + 32 %
Output LF current ripple (< 120 Hz)	< 15 %
Dimming range	10 – 100 %
Mains surge capability (between L - N)	2 kV
Dimensions L x W x H	95.51 x 40.5 x 25.0 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 20/350/57 0-10V C ADV UNV	28002253	50 pc(s).	2,400 pc(s).	0.15 kg
LCO 20/500/40 0-10V C ADV UNV	28002254	50 pc(s).	2,400 pc(s).	0.15 kg
LCO 20/700/28 0-10V C ADV UNV	28002255	50 pc(s).	2,400 pc(s).	0.15 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output power (at 120 V, 60 Hz, full load)	Typ. power consumption (at 120 V, 60 Hz, full load)	Typ. current consumption (at 120 V, 60 Hz, full load)	Typ. efficiency (at 120 V, 60 Hz, full load)	Max. output power (at 277 V, 60 Hz, full load)	Typ. power consumption (at 277 V, 60 Hz, full load)	Typ. current consumption (at 277 V, 60 Hz, full load)	Typ. efficiency (at 277 V, 60 Hz, full load)	tc ³⁾	Ambient temperature ta
LCO 20/350/57 0-10V C ADV UNV	350 mA	29 V	57 V	58 V	20.0 W	22.9 W	190 mA	87.0 %	20.0 W	22.9 W	90 mA	87 %	80 °C	-30 ... +60 °C
LCO 20/500/40 0-10V C ADV UNV	500 mA	20 V	40 V	41 V	20.0 W	23.2 W	190 mA	86.0 %	20.0 W	23.3 W	90 mA	86 %	80 °C	-30 ... +60 °C
LCO 20/700/28 0-10V C ADV UNV	700 mA	14 V	28 V	29 V	19.7 W	23.2 W	190 mA	85.0 %	19.5 W	23.2 W	90 mA	84 %	75 °C	-30 ... +60 °C

¹⁾ Valid at 100 % dimming level.

²⁾ Output current is mean value.

³⁾ 5-year guarantee.

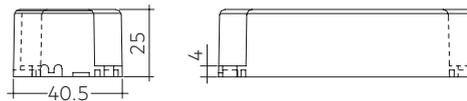
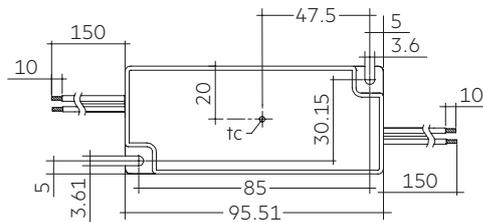


NEW

Driver LCO 20W 350/500/700mA pc C ADV UNV
ADVANCED outdoor series (UL certified)

Product description

- Constant current LED Driver
- Dimmable via leading edge and trailing edge phase dimmers
- Dimming range 10 – 100 %
- Max. output power 20 W
- Up to 86 % efficiency
- Class 2 power supply
- FCC 15
- UL certified
- Only for US applications
- Dry and damp location
- 5-year guarantee



Housing properties

- Casing: polycarbonate, black
- Potted version
- Type of protection IP66

Functions

- Over voltage protection
- Short-circuit protection
- No-load protection

Typical applications

- For track lighting, small LED modules, light commercial, sconce, lantern
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Technical data

Rated supply voltage	120 V
AC voltage range	108 – 132 V
Mains frequency	50 / 60 Hz
Leakage current (at 120 V, 60 Hz, full load) ¹⁾	< 300 µA
Max. input power (at 120 V, 60 Hz, full load)	23.5 W
λ (at 120 V, 60 Hz, full load) ¹⁾	0.98
Typ. input current in no-load operation (at 120 V, 60 Hz)	10 mA
Typ. input power in no-load operation (at 120 V, 60 Hz)	0.85 W
Max. in-rush current (peak / duration at 120 V)	3 A / 1 µs
THD (at 120 V, 60 Hz, full load) ¹⁾	< 15 %
Starting time (full load) ¹⁾	≤ 1,000 ms
Turn off time (full load)	< 1,000 ms
Output current tolerance ¹⁾²⁾	± 5 %
Max. output current peak (non-repetitive)	± output current + 25 %
Output LF current ripple (< 120 Hz)	< 20 %
Dimming range	10 – 100 %
Mains surge capability (between L - N)	2 kV
Dimensions L x W x H	95,51 x 40,5 x 25 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 20/350/57 pc C ADV UNV	28002249	50 pc(s).	2,400 pc(s).	0.15 kg
LCO 20/500/40 pc C ADV UNV	28002250	50 pc(s).	2,400 pc(s).	0.15 kg
LCO 20/700/28 pc C ADV UNV	28002251	50 pc(s).	2,400 pc(s).	0.15 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output power (at 120 V, 60 Hz, full load)	Typ. power consumption (at 120 V, 60 Hz, full load)	Typ. current consumption (at 120 V, 60 Hz, full load)	Typ. efficiency (at 120 V, 60 Hz, full load)	tc ³⁾	Ambient temperature ta
LCO 20/350/57 pc C ADV UNV	350 mA	34 V	57 V	64 V	19.9 W	22.8 W	190 mA	86 %	75 °C	-30 ... +60 °C
LCO 20/500/40 pc C ADV UNV	500 mA	24 V	40 V	47 V	20.1 W	23.0 W	190 mA	85 %	75 °C	-30 ... +60 °C
LCO 20/700/28 pc C ADV UNV	700 mA	17 V	28 V	33 V	19.7 W	22.9 W	190 mA	84 %	75 °C	-30 ... +60 °C

¹⁾ Valid at 100 % dimming level.
²⁾ Output current is mean value.
³⁾ 5-year guarantee.



NEW

Driver LCO 25W 350/500/700/1050/1400mA 0-10V C ADV UNV

ADVANCED outdoor series (UL certified)

Product description

- Constant current LED Driver
- Dimmable via 0 ... 10 V interface
- Dimming range 10 – 100 %
- Max. output power 25 W
- Up to 87 % efficiency
- Class 2 power supply (not the 350 mA version)
- FCC 15
- UL Type HL rated for hazardous location
- UL certified
- Only for US applications
- Dry and damp location
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, black
- Potted version
- Type of protection IP66

Functions

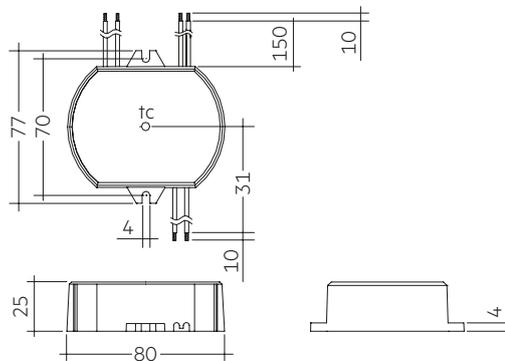
- Over voltage protection
- Short-circuit protection
- No-load protection

Typical applications

- For bollard, landscape and commercial fixtures
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)**Technical data**

Rated supply voltage	100 – 277 V
AC voltage range	90 – 305 V
Mains frequency	50 / 60 Hz
Leakage current (at 120 V, 60 Hz, full load) ¹⁾	< 300 µA
Leakage current (at 277 V, 60 Hz, full load) ¹⁾	< 700 µA
Max. input power (at 120 V, 60 Hz, full load)	30.5 W
Max. input power (at 277 V, 60 Hz, full load)	30.5 W
λ (at 120 V, 60 Hz, full load) ¹⁾	0.95
λ (at 277 V, 60 Hz, full load) ¹⁾	0.92C
Typ. input current in no-load operation (at 120 V, 60 Hz)	20 mA
Typ. input current in no-load operation (at 277 V, 60 Hz)	20 mA
Typ. input power in no-load operation (at 120 V, 60 Hz)	0.9 W
Typ. input power in no-load operation (at 277 V, 60 Hz)	1.9 W
Max. in-rush current (peak / duration at 120 V)	30 A / 3 µs
Max. in-rush current (peak / duration at 277 V)	50 A / 3 µs
THD (at 120 V, 60 Hz, full load) ¹⁾	< 6 %
THD (at 277 V, 60 Hz, full load) ¹⁾	< 12 %
Starting time (full load) ¹⁾	≤ 500 ms
Turn off time (full load)	< 200 ms
Output current tolerance ^{1) 2)}	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 30 %
Output LF current ripple (< 120 Hz)	< 18 %
Dimming range	10 – 100 %
Mains surge capability (between L - N)	2 kV
Dimensions L x W x H	80 x 77 x 25 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 25/350/72 0-10V C ADV UNV	28002130	50 pc(s).	2,400 pc(s).	0.19 kg
LCO 25/500/48 0-10V C ADV UNV	28002131	50 pc(s).	2,400 pc(s).	0.19 kg
LCO 25/700/36 0-10V C ADV UNV	28002132	50 pc(s).	2,400 pc(s).	0.19 kg
LCO 25/1050/24 0-10V C ADV UNV	28002142	50 pc(s).	2,400 pc(s).	0.19 kg
LCO 25/1400/18 0-10V C ADV UNV	28002143	50 pc(s).	2,400 pc(s).	0.19 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output power (at 120 V, 60 Hz, full load)	Typ. power consumption (at 120 V, 60 Hz, full load)	Typ. current consumption (at 120 V, 60 Hz, full load)	Typ. efficiency (at 120 V, 60 Hz, full load)	Max. output power (at 277 V, full load)	Typ. power consumption (at 277 V, full load)	Typ. current consumption (at 277 V, full load)	Typ. efficiency (at 277 V, 60 Hz, full load)	tc ³⁾	Ambient temperature ta
LCO 25/350/72 0-10V C ADV UNV	350 mA	36 V	72 V	80 V	25.2 W	29.0 W	240 mA	87 %	25.3 W	28.8 W	110 mA	86.5 %	80 °C	-30 ... +60 °C
LCO 25/500/48 0-10V C ADV UNV	500 mA	24 V	48 V	60 V	24.0 W	28.0 W	240 mA	86 %	24.2 W	28.5 W	110 mA	85.5 %	80 °C	-30 ... +60 °C
LCO 25/700/36 0-10V C ADV UNV	700 mA	13 V	36 V	50 V	25.2 W	29.5 W	250 mA	85 %	25.1 W	29.5 W	110 mA	84.5 %	85 °C	-30 ... +60 °C
LCO 25/1050/24 0-10V C ADV UNV	1,050 mA	12 V	24 V	30 V	25.2 W	30.0 W	250 mA	85 %	25.3 W	30.0 W	120 mA	84.5 %	85 °C	-30 ... +60 °C
LCO 25/1400/18 0-10V C ADV UNV	1,400 mA	9 V	18 V	20 V	25.2 W	30.0 W	250 mA	84 %	25.4 W	30.0 W	120 mA	83.5 %	85 °C	-30 ... +60 °C

¹⁾ Valid at 100 % dimming level.

²⁾ Output current is mean value.

³⁾ 5-year guarantee.



NEW

Driver LCO 40W 700/1000/1400mA 0-10V C ADV UNV

ADVANCED outdoor series (UL certified)

Product description

- Constant current LED Driver
- Dimmable via 0 ... 10 V interface
- Dimming range 10 – 100 %
- Max. output power 40 W
- Up to 87.5 % efficiency
- Class 2 power supply
- FCC 15
- UL Type HL rated for hazardous location
- UL certified
- Only for US applications
- Dry and damp location
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

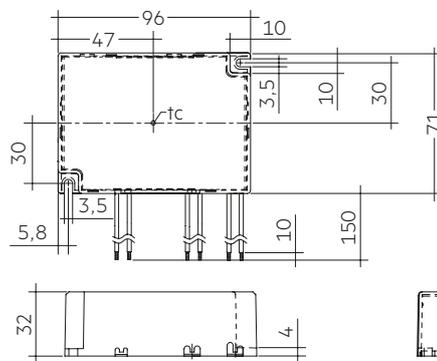
- Casing: polycarbonate, black
- Potted version
- Type of protection IP66

Functions

- Over voltage protection
- Short-circuit protection
- No-load protection

Typical applications

- For bollard, wall pack and area lighting
- For product data sheet go to www.tridonic.com,
or available on request

**Technical data**

Rated supply voltage	100 – 277 V
AC voltage range	90 – 305 V
Mains frequency	50 / 60 Hz
Leakage current (at 120 V, 60 Hz, full load) ¹⁾	< 300 µA
Leakage current (at 277 V, 60 Hz, full load) ¹⁾	< 700 µA
Max. input power (at 120 V, 60 Hz, full load)	47 W
Max. input power (at 277 V, 60 Hz, full load)	46.5 W
λ (at 120 V, 60 Hz, full load) ¹⁾	0.97
λ (at 277 V, 60 Hz, full load) ¹⁾	0.95
Typ. input current in no-load operation (at 120 V, 60 Hz)	13 mA
Typ. input current in no-load operation (at 277 V, 60 Hz)	15 mA
Typ. input power in no-load operation (at 120 V, 60 Hz)	1 W
Typ. input power in no-load operation (at 277 V, 60 Hz)	1.5 W
Max. in-rush current (peak / duration at 120 V)	40 A / 3 µs
Max. in-rush current (peak / duration at 277 V)	50 A / 3 µs
THD (at 120 V, 60 Hz, full load) ¹⁾	< 12 %
THD (at 277 V, 60 Hz, full load) ¹⁾	< 18 %
Starting time (full load) ¹⁾	≤ 500 ms
Turn off time (full load)	< 200 ms
Output current tolerance ^{1) 2)}	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 30 %
Output LF current ripple (< 120 Hz)	< 12 %
Dimming range	10 – 100 %
Mains surge capability (between L - N)	2 kV
Dimensions L x W x H	96 x 71 x 32 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 40/700/57 0-10V C ADV UNV	28002226	40 pc(s).	1,440 pc(s).	0.33 kg
LCO 40/1000/40 0-10V C ADV UNV	28002229	40 pc(s).	1,440 pc(s).	0.33 kg
LCO 40/1400/28 0-10V C ADV UNV	28002263	40 pc(s).	1,440 pc(s).	0.33 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output power (at 120 V, 60 Hz, full load)	Typ. power consumption (at 120 V, 60 Hz, full load)	Typ. current consumption (at 120 V, 60 Hz, full load)	Typ. efficiency (at 120 V, 60 Hz, full load)	Max. output power (at 277 V, 60 Hz, full load)	Typ. power consumption (at 277 V, 60 Hz, full load)	Typ. current consumption (at 277 V, 60 Hz, full load)	Typ. efficiency (at 277 V, 60 Hz, full load)	tc ³⁾	Ambient temperature ta
LCO 40/700/57 0-10V C ADV UNV	700 mA	28 V	57 V	70 V	40 W	45.2 W	380 mA	87 %	40.1 W	45.2 W	170 mA	87.5 %	90 °C	-30 ... +60 °C
LCO 40/1000/40 0-10V C ADV UNV	1,000 mA	20 V	40 V	50 V	40 W	46.0 W	380 mA	86 %	40.1 W	45.4 W	170 mA	86.5 %	90 °C	-30 ... +60 °C
LCO 40/1400/28 0-10V C ADV UNV	1,400 mA	14 V	28 V	30 V	38 W	44.0 W	370 mA	85 %	38.0 W	43.7 W	160 mA	85.5 %	80 °C	-30 ... +60 °C

¹⁾ Valid at 100 % dimming level.

²⁾ Output current is mean value.

³⁾ 5-year guarantee.



NEW

Driver LCO 50W 700/1050/1250/1400/2100mA 0-10V C ADV UNV

ADVANCED outdoor series (UL certified)

Product description

- Constant current LED Driver
- Dimmable via 0 ... 10 V interface
- Dimming range 10 – 100 %
- Max. output power 50 W
- Up to 86 % efficiency
- Class 2 power supply (not the 700 mA version)
- FCC 15
- UL Type HL rated for hazardous location
- UL certified
- Only for US applications
- Dry and damp location
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, black
- Potted version
- Type of protection IP66

Functions

- Over voltage protection
- Short-circuit protection
- No-load protection

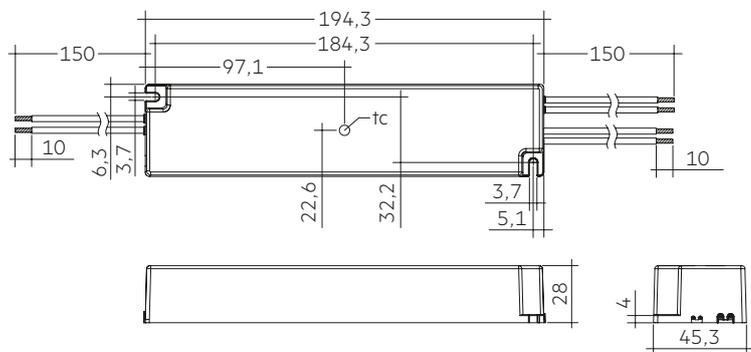
Typical applications

- For wall pack and outdoor general illumination
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	100 – 277 V
AC voltage range	90 – 305 V
Mains frequency	50 / 60 Hz
Leakage current (at 120 V, 60 Hz, full load) ¹⁾	< 300 µA
Leakage current (at 277 V, 60 Hz, full load) ¹⁾	< 700 µA
Max. input power (at 120 V, 60 Hz, full load)	61.5 W
Max. input power (at 277 V, 60 Hz, full load)	61.5 W
λ (at 120 V, 60 Hz, full load) ¹⁾	0.98
λ (at 277 V, 60 Hz, full load) ¹⁾	0.93C
Typ. input current in no-load operation (at 120 V, 60 Hz)	20 mA
Typ. input current in no-load operation (at 277 V, 60 Hz)	30 mA
Typ. input power in no-load operation (at 120 V, 60 Hz)	1.5 W
Typ. input power in no-load operation (at 277 V, 60 Hz)	2.5 W
Max. in-rush current (peak / duration at 120 V)	35 A / 3 µs
Max. in-rush current (peak / duration at 277 V)	70 A / 3 µs
THD (at 120 V, 60 Hz, full load) ¹⁾	< 6 %
THD (at 277 V, 60 Hz, full load) ¹⁾	< 11 %
Starting time (full load) ¹⁾	≤ 500 ms
Turn off time (full load)	< 200 ms
Output current tolerance ¹⁾²⁾	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 25 %
Output LF current ripple (< 120 Hz)	< 17 %
Dimming range	10 – 100 %
Mains surge capability (between L - N)	2 kV
Dimensions L x W x H	194.3 x 45.3 x 28.0 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 50/700/72 0-10V C ADV UNV	28002149	25 pc(s).	600 pc(s).	0.43 kg
LCO 50/1050/48 0-10V C ADV UNV	28002150	25 pc(s).	600 pc(s).	0.43 kg
LCO 50/1250/42 0-10V C ADV UNV	28002151	25 pc(s).	600 pc(s).	0.43 kg
LCO 50/1400/36 0-10V C ADV UNV	28002152	25 pc(s).	600 pc(s).	0.43 kg
LCO 50/2100/24 0-10V C ADV UNV	28002153	25 pc(s).	600 pc(s).	0.43 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output power (at 120 V, 60 Hz, full load)	Typ. power consumption (at 120 V, 60 Hz, full load)	Typ. current consumption (at 120 V, 60 Hz, full load)	Typ. efficiency (at 120 V, 60 Hz, full load)	Max. output power (at 277 V, full load)	Typ. power consumption (at 277 V, full load)	Typ. current consumption (at 277 V, full load)	Typ. efficiency (at 277 V, 60 Hz, full load)	tc ³⁾	Ambient temperature ta
LCO 50/700/72 0-10V C ADV UNV	700 mA	36 V	72 V	80 V	50.4 W	57.5 W	480 mA	87.0 %	50.3 W	58.1 W	220 mA	86 %	80 °C	-30 ... +60 °C
LCO 50/1050/48 0-10V C ADV UNV	1,050 mA	24 V	48 V	60 V	50.5 W	58.2 W	490 mA	86.5 %	50.5 W	58.7 W	220 mA	86 %	90 °C	-30 ... +60 °C
LCO 50/1250/42 0-10V C ADV UNV	1,250 mA	21 V	42 V	50 V	52.5 W	60.6 W	510 mA	86.0 %	52.5 W	60.8 W	230 mA	86 %	80 °C	-30 ... +60 °C
LCO 50/1400/36 0-10V C ADV UNV	1,400 mA	13 V	36 V	40 V	50.4 W	59.2 W	490 mA	86.0 %	50.0 W	57.8 W	220 mA	85 %	85 °C	-30 ... +60 °C
LCO 50/2100/24 0-10V C ADV UNV	2,100 mA	12 V	24 V	30 V	49.8 W	60.4 W	510 mA	82.0 %	50.0 W	60.6 W	240 mA	82 %	85 °C	-30 ... +60 °C

¹⁾ Valid at 100 % dimming level.

²⁾ Output current is mean value.

³⁾ 5-year guarantee.



NEW

Driver LCO 75W 350/700/1050/1560/1790/2080mA 0-10V C ADV UNV
 ADVANCED outdoor series (UL certified)

Product description

- Constant current LED Driver
- Dimmable via 0 ... 10 V interface
- Dimming range 10 – 100 %
- Max. output power 75 W
- Up to 92 % efficiency
- Class P
- FCC 15
- UL certified
- Only for US applications
- Dry and damp location
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, black
- Potted version
- Type of protection IP67

Functions

- Over voltage protection
- Short-circuit protection
- No-load protection

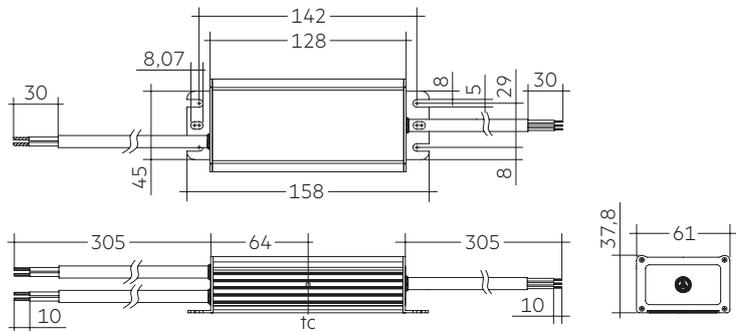
Typical applications

- For cobra head, high bay and street applications
- For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)


Technical data

Rated supply voltage	100 – 277 V
AC voltage range	90 – 305 V
Mains frequency	50 / 60 Hz
Leakage current (at 120 V, 60 Hz, full load) ¹⁾	< 400 µA
Leakage current (at 277 V, 60 Hz, full load) ¹⁾	< 750 µA
Max. input power (at 120 V, 60 Hz, full load)	85.5 W
Max. input power (at 277 V, 60 Hz, full load)	84 W
λ (at 120 V, 60 Hz, full load) ¹⁾	0.97
λ (at 277 V, 60 Hz, full load) ¹⁾	0.94 C
Typ. input current in no-load operation (at 120 V, 60 Hz)	40 mA
Typ. input current in no-load operation (at 277 V, 60 Hz)	60 mA
Typ. input power in no-load operation (at 120 V, 60 Hz)	< 4.66 W
Typ. input power in no-load operation (at 277 V, 60 Hz)	< 5.36 W
Max. in-rush current (peak / duration at 120 V)	40 A / 3 µs
Max. in-rush current (peak / duration at 277 V)	95 A / 3 µs
THD (at 120 V, 60 Hz, full load) ¹⁾	< 8 %
THD (at 277 V, 60 Hz, full load) ¹⁾	< 14 %
Starting time (full load) ¹⁾	≤ 1,000 ms
Turn off time (full load)	≤ 200 ms
Output current tolerance ^{1) 2)}	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 35 %
Output LF current ripple (< 120 Hz)	< 5 %
Dimming range	10 – 100 %
Mains surge capability (between L - N)	2 kV
Mains surge capability (between L/N - PE)	4 kV
Dimensions L x W x H	142.0 x 61.0 x 38.8 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 75/350/214 0-10V C ADV UNV	28002154	10 pc(s).	480 pc(s).	0.62 kg
LCO 75/700/108 0-10V C ADV UNV	28002155	10 pc(s).	480 pc(s).	0.62 kg
LCO 75/1050/72 0-10V C ADV UNV	28002156	10 pc(s).	480 pc(s).	0.62 kg
LCO 75/1560/48 0-10V C ADV UNV	28002157	10 pc(s).	480 pc(s).	0.62 kg
LCO 75/1790/42 0-10V C ADV UNV	28002158	10 pc(s).	480 pc(s).	0.62 kg
LCO 75/2080/36 0-10V C ADV UNV	28002159	10 pc(s).	480 pc(s).	0.62 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output power (at 120 V, 60 Hz, full load)	Typ. power consumption (at 120 V, 60 Hz, full load)	Typ. current consumption (at 120 V, 60 Hz, full load)	Typ. efficiency (at 120 V, 60 Hz, full load)	Max. output power (at 277 V, 60 Hz, full load)	Typ. power consumption (at 277 V, 60 Hz, full load)	Typ. current consumption (at 277 V, 60 Hz, full load)	Typ. efficiency (at 277 V, 60 Hz, full load)	tc ³⁾	Ambient temperature ta
LCO 75/350/214 0-10V C ADV UNV	350 mA	64 V	214 V	220 V	74.9 W	81.9 W	680 mA	90.5 %	74.4 W	80.5 W	300 mA	92.0 %	80 °C	-30 ... +60 °C
LCO 75/700/108 0-10V C ADV UNV	700 mA	32 V	108 V	120 V	75.2 W	83.5 W	700 mA	90.0 %	75.2 W	81.8 W	310 mA	91.0 %	80 °C	-30 ... +60 °C
LCO 75/1050/72 0-10V C ADV UNV	1,050 mA	22 V	72 V	80 V	75.6 W	84.4 W	700 mA	89.5 %	75.7 W	82.9 W	310 mA	91.0 %	75 °C	-30 ... +60 °C
LCO 75/1560/48 0-10V C ADV UNV	1,560 mA	14 V	48 V	60 V	74.3 W	82.4 W	690 mA	90.0 %	74.3 W	81.7 W	310 mA	90.5 %	75 °C	-30 ... +60 °C
LCO 75/1790/42 0-10V C ADV UNV	1,790 mA	13 V	42 V	50 V	74.9 W	84.3 W	700 mA	88.5 %	74.9 W	82.5 W	310 mA	90.5 %	85 °C	-30 ... +60 °C
LCO 75/2080/36 0-10V C ADV UNV	2,080 mA	11 V	36 V	40 V	72.7 W	82.8 W	690 mA	87.5 %	72.4 W	81.0 W	300 mA	89.0 %	80 °C	-30 ... +60 °C

¹⁾ Valid at 100 % dimming level.

²⁾ Output current is mean value.

³⁾ 5-year guarantee.



NEW

Driver LCO 96W 700/1050/1400/2000/2670mA 0-10V C ADV UNV
 ADVANCED outdoor series (UL certified)
Product description

- Constant current LED Driver
- Dimmable via 0 ... 10 V interface
- Dimming range 10 – 100 %
- Max. output power 96 W
- Up to 92 % efficiency
- Class P
- FCC 15
- UL certified
- Only for US applications
- Dry and damp location
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, black
- Potted version
- Type of protection IP67

Functions

- Over voltage protection
- Short-circuit protection
- No-load protection

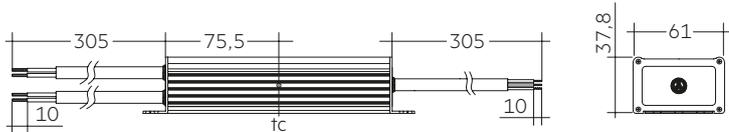
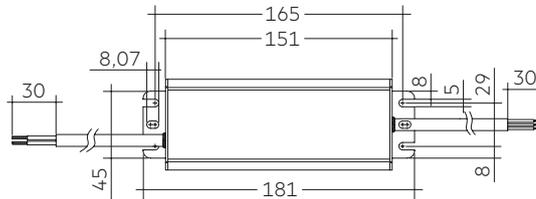
Typical applications

- For cobra head, high bay and street applications
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

**Technical data**

Rated supply voltage	100 – 277 V
AC voltage range	90 – 305 V
Mains frequency	50 / 60 Hz
Leakage current (at 120 V, 60 Hz, full load) ¹⁾	< 400 µA
Leakage current (at 277 V, 60 Hz, full load) ¹⁾	< 750 µA
Max. input power (at 120 V, 60 Hz, full load)	108.5 W
Max. input power (at 277 V, 60 Hz, full load)	107.5 W
λ (at 120 V, 60 Hz, full load) ¹⁾	0.97
λ (at 277 V, 60 Hz, full load) ¹⁾	0.95
Typ. input current in no-load operation (at 120 V, 60 Hz)	40 mA
Typ. input current in no-load operation (at 277 V, 60 Hz)	60 mA
Typ. input power in no-load operation (at 120 V, 60 Hz)	4 W
Typ. input power in no-load operation (at 277 V, 60 Hz)	3.5 W
Max. in-rush current (peak / duration at 120 V)	50 A / 5 µs
Max. in-rush current (peak / duration at 277 V)	90 A / 5 µs
THD (at 120 V, 60 Hz, full load) ¹⁾	< 8 %
THD (at 277 V, 60 Hz, full load) ¹⁾	< 14 %
Starting time (full load) ¹⁾	≤ 1,000 ms
Turn off time (full load)	< 500 ms
Output current tolerance ^{1) 2)}	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 35 %
Output LF current ripple (< 120 Hz)	< 5 %
Dimming range	10 – 100 %
Mains surge capability (between L - N)	2 kV
Mains surge capability (between L/N - PE)	4 kV
Dimensions L x W x H	165.0 x 61.0 x 37.8 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 96/700/137 0-10V C ADV UNV	28002160	10 pc(s).	480 pc(s).	0.72 kg
LCO 96/1050/91 0-10V C ADV UNV	28002161	10 pc(s).	480 pc(s).	0.72 kg
LCO 96/1400/68 0-10V C ADV UNV	28002162	10 pc(s).	480 pc(s).	0.72 kg
LCO 96/2000/48 0-10V C ADV UNV	28002163	10 pc(s).	480 pc(s).	0.72 kg
LCO 96/2670/36 0-10V C ADV UNV	28002164	10 pc(s).	480 pc(s).	0.72 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output power (at 120 V, 60 Hz, full load)	Typ. power consumption (at 120 V, 60 Hz, full load)	Typ. current consumption (at 120 V, 60 Hz, full load)	Typ. efficiency (at 120 V, 60 Hz, full load)	Max. output power (at 277 V, 60 Hz, full load)	Typ. power consumption (at 277 V, 60 Hz, full load)	Typ. current consumption (at 277 V, 60 Hz, full load)	Typ. efficiency (at 277 V, 60 Hz, full load)	tc ³⁾	Ambient temperature ta
LCO 96/700/137 0-10V C ADV UNV	700 mA	46 V	137 V	150 V	95.9 W	105 W	880 mA	91.0 %	95.9 W	103.0 W	380 mA	92.0 %	80 °C	-30 ... +60 °C
LCO 96/1050/91 0-10V C ADV UNV	1,050 mA	30 V	91 V	100 V	95.6 W	106 W	880 mA	90.0 %	95.6 W	104.0 W	390 mA	91.0 %	80 °C	-30 ... +60 °C
LCO 96/1400/68 0-10V C ADV UNV	1,400 mA	23 V	68 V	80 V	95.2 W	106 W	890 mA	90.0 %	95.2 W	104.0 W	390 mA	91.0 %	75 °C	-30 ... +60 °C
LCO 96/2000/48 0-10V C ADV UNV	2,000 mA	16 V	48 V	60 V	96.0 W	108 W	900 mA	89.0 %	96.0 W	105.5 W	390 mA	90.5 %	75 °C	-30 ... +60 °C
LCO 96/2670/36 0-10V C ADV UNV	2,670 mA	12 V	36 V	40 V	96.1 W	108 W	900 mA	88.5 %	96.1 W	107.0 W	400 mA	89.0 %	75 °C	-30 ... +60 °C

¹⁾ Valid at 100 % dimming level.

²⁾ Output current is mean value.

³⁾ 5-year guarantee.



NEW

Driver LCO 120W 700/1050/1400/2100mA 0-10V C ADV UNV

ADVANCED outdoor series (UL certified)

Product description

- Constant current LED Driver
- Dimmable via 0 ... 10 V interface
- Dimming range 10 – 100 %
- Max. output power 120 W
- Up to 93 % efficiency
- Class P
- FCC 15
- UL certified
- Only for US applications
- Dry and damp location
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Metal casing black
- Potted version
- Type of protection IP67

Functions

- Over voltage protection
- Short-circuit protection
- No-load protection

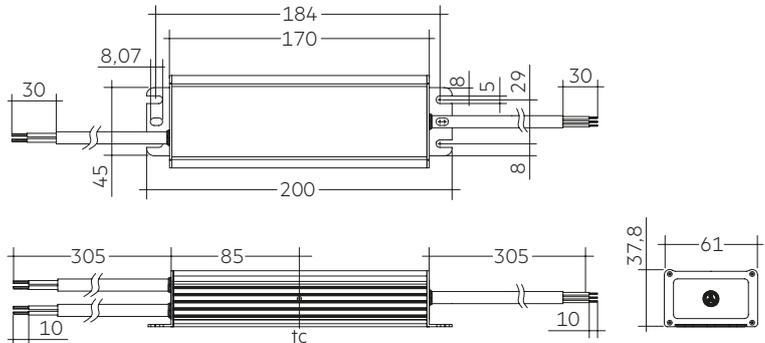
Typical applications

- For parking lot, high bay and street applications
- For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	100 – 277 V
AC voltage range	90 – 305 V
Mains frequency	50 / 60 Hz
Leakage current (at 120 V, 60 Hz, full load) ¹⁾	< 400 µA
Leakage current (at 277 V, 60 Hz, full load) ¹⁾	< 750 µA
Max. input power (at 120 V, 60 Hz, full load)	133 W
Max. input power (at 277 V, 60 Hz, full load)	132 W
λ (at 120 V, 60 Hz, full load) ¹⁾	0.95
λ (at 277 V, 60 Hz, full load) ¹⁾	0.94C
Typ. input current in no-load operation (at 120 V, 60 Hz)	50 mA
Typ. input current in no-load operation (at 277 V, 60 Hz)	70 mA
Typ. input power in no-load operation (at 120 V, 60 Hz)	3 W
Typ. input power in no-load operation (at 277 V, 60 Hz)	4 W
Max. in-rush current (peak / duration at 120 V)	50 A / 4 µs
Max. in-rush current (peak / duration at 277 V)	95 A / 5 µs
THD (at 120 V, 60 Hz, full load) ¹⁾	< 8 %
THD (at 277 V, 60 Hz, full load) ¹⁾	< 15 %
Starting time (full load) ¹⁾	≤ 500 ms
Turn off time (full load)	< 200 ms
Output current tolerance ¹⁾²⁾	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 35 %
Output LF current ripple (< 120 Hz)	< 5 %
Dimming range	10 – 100 %
Mains surge capability (between L - N)	2 kV
Mains surge capability (between L/N - PE)	4 kV
Dimensions L x W x H	184.0 x 61.0 x 37.8 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 120/700/171 0-10V C ADV UNV	28002165	10 pc(s).	480 pc(s).	0.74 kg
LCO 120/1050/114 0-10V C ADV UNV	28002166	10 pc(s).	480 pc(s).	0.74 kg
LCO 120/1400/86 0-10V C ADV UNV	28002167	10 pc(s).	480 pc(s).	0.74 kg
LCO 120/2100/57 0-10V C ADV UNV	28002168	10 pc(s).	480 pc(s).	0.74 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage	Max. output voltage	Max. output power (at 120 V, 60 Hz, full load)	Typ. power consumption (at 120 V, 60 Hz, full load)	Typ. current consumption (at 120 V, 60 Hz, full load)	Typ. efficiency (at 120 V, 60 Hz, full load)	Max. output power (at 277 V, 60 Hz, full load)	Typ. power consumption (at 277 V, 60 Hz, full load)	Typ. current consumption (at 277 V, 60 Hz, full load)	Typ. efficiency (at 277 V, 60 Hz, full load)	tc ³⁾	Ambient temperature ta
LCO 120/700/171 0-10V C ADV UNV	700 mA	86 V	171 V	180 V	120.0 W	132.0 W	1,100 mA	91.5 %	123.0 W	132.0 W	490 mA	93 %	85 °C	-30 ... +60 °C
LCO 120/1050/114 0-10V C ADV UNV	1,050 mA	57 V	114 V	120 V	120.0 W	132.0 W	1,100 mA	90.5 %	120.0 W	130.0 W	490 mA	92 %	90 °C	-30 ... +60 °C
LCO 120/1400/86 0-10V C ADV UNV	1,400 mA	43 V	86 V	90 V	120.4 W	131.0 W	1,100 mA	91.5 %	120.5 W	130.0 W	490 mA	92 %	85 °C	-30 ... +60 °C
LCO 120/2100/57 0-10V C ADV UNV	2,100 mA	29 V	57 V	60 V	120.0 W	132.5 W	1,100 mA	90.5 %	120.0 W	130.5 W	500 mA	91 %	85 °C	-30 ... +60 °C

¹⁾ Valid at 100 % dimming level.

²⁾ Output current is mean value.

³⁾ 5-year guarantee.



NEW

Driver LCO 14W 100–500mA 38V NF C ADV3

ADVANCED outdoor series

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 100 – 500 mA via NFC or ready2mains™ Programmer⁶⁾
- Max. output power 14 W
- Lowest power input on stand-by < 0.16 W
- Up to 87 % efficiency
- Dimming range 5 – 100 % (min. 5 mA)
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time of 100,000 h and 8-year guarantee

Interfaces

- Near field communication (NFC)⁶⁾
- ready2mains™ (configuration via mains)
- U6Me2 (configuration of chronoSTEP 2 via mains)
- Terminal blocks: 45° push terminals

Functions

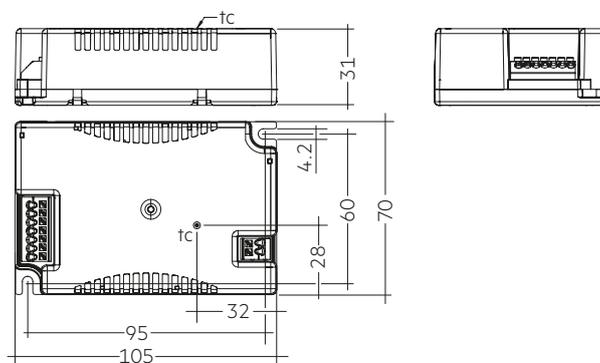
- Adjustable output current (NFC, ready2mains™)⁶⁾
- Programmable chronoSTEP: times and levels (NFC, U6Me2, ready2mains™)⁶⁾
- Dimming through mains voltage (inputDIM)
- Enhanced constant light output function (CLO)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Configurable internal temperature management (ITM)
- Input voltage regulation (IVG)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via NFC, ready2mains™ and U6Me2⁶⁾
- In-field programming possible after installation with NFC interface and ready2mains⁶⁾
- High overvoltage protection: up to 10 kV (3 pulses) asymmetric (protection class I and II)

Typical applications

- Road, street and industry
- For product data sheet go to www.tridonic.com, or available on request

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
inputDIM voltage range	170 – 250 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	28 – 75 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	7 – 10 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 325 µA
Max. input power	17 W
Typ. efficiency (at 230 V / 50 Hz / full load) ^{2) 5)}	87 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.97
Typ. power input on stand-by	< 0.16 W
In-rush current (peak / duration)	9.2 A / 253 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 8 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 750 ms
Starting time (DC mode)	< 800 ms
Switchover time (AC/DC)	< 300 ms
Turn off time (at 230 V, 50 Hz, full load)	< 500 ms
Output current tolerance ^{1) 4)}	± 5 %
Max. peak output current (non-repetitive)	≤ output current + 15 %
Output LF current ripple (< 120 Hz)	± 3.3 %
Max. output voltage (U-OUT)	60 V
Dimming range	5 – 100 % (min. 5 mA)
Mains surge capability (between L – N) ³⁾	6 kV / 3 kA
Mains surge capability up to (between L/N – PE)	8 kV (10 kV at 3 pulses)
Burst protection	5 kV
Surge voltage at output side (against PE)	< 1 kV
Dimensions L x W x H	105 x 70 x 31 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number ⁶⁾	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 14/100-500/38 NF C ADV3	87500821	20 pc(s).	1,600 pc(s).	0.154 kg

Specific technical data

Type	Output current ¹⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.
LCO 14/100-500/38 NF C ADV3	100 mA	22.4 V	38.0 V	3.8 W	5.5 W	28 mA	75 °C	-40 ... +70 °C
	150 mA	14.9 V	38.0 V	5.7 W	7.6 W	37 mA	80 °C	-40 ... +70 °C
	200 mA	12.0 V	38.0 V	7.6 W	9.8 W	46 mA	80 °C	-40 ... +70 °C
	300 mA	12.0 V	38.0 V	11.4 W	13.7 W	62 mA	80 °C	-40 ... +70 °C
	350 mA	12.0 V	38.0 V	13.3 W	15.8 W	71 mA	90 °C	-40 ... +70 °C
	400 mA	12.0 V	35.0 V	14.0 W	16.6 W	75 mA	85 °C	-40 ... +70 °C
	450 mA	12.0 V	31.1 V	14.0 W	16.5 W	74 mA	85 °C	-40 ... +70 °C
	500 mA	12.0 V	28.0 V	14.0 W	16.5 W	74 mA	85 °C	-40 ... +70 °C

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ L-N acc. to EN 61000-4-5, 2 Ohm, 12/50 µs, 8/20 µs.

⁴⁾ Output current is mean value.

⁵⁾ Tolerance range 5 %.

⁶⁾ NFC function available at 4th quarter 2018.



NEW

Driver LCO 24W 200–1050mA 39V NF C ADV3

ADVANCED outdoor series

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 200 – 1,050 mA via NFC or ready2mains™ Programmer⁶⁾
- Max. output power 24 W
- Lowest power input on stand-by < 0.16 W
- Up to 88 % efficiency
- Dimming range 5 – 100 % (min. 10 mA)
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time of 100,000 h and 8-year guarantee

Interfaces

- Near field communication (NFC)⁶⁾
- ready2mains™ (configuration via mains)
- U6Me2 (configuration of chronoSTEP 2 via mains)
- Terminal blocks: 45° push terminals

Functions

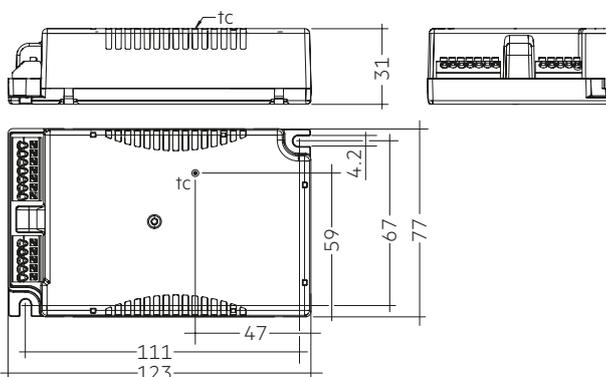
- Adjustable output current (NFC, ready2mains™)⁶⁾
- Programmable chronoSTEP: times and levels (NFC, U6Me2, ready2mains™)⁶⁾
- Dimming through mains voltage (inputDIM)
- Enhanced constant light output function (CLO)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Configurable internal temperature management (ITM)
- Input voltage regulation (IVG)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via NFC, ready2mains™ and U6Me2⁶⁾
- In-field programming possible after installation with NFC interface and ready2mains⁶⁾
- High overvoltage protection: up to 10 kV (3 pulses) asymmetric (protection class I and II)

Typical applications

- Road, street and industry
- For product data sheet go to www.tridonic.com, or available on request

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
inputDIM voltage range	170 – 250 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	40 – 128 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	9 – 25 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 325 µA
Max. input power	28.5 W
Typ. efficiency (at 230 V / 50 Hz / full load) ^{2) 5)}	88 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.97
Typ. power input on stand-by	< 0.16 W
In-rush current (peak / duration)	14.88 A / 226 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 7 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 750 ms
Starting time (DC mode)	< 800 ms
Switchover time (AC/DC)	< 300 ms
Turn off time (at 230 V, 50 Hz, full load)	< 500 ms
Output current tolerance ^{1) 4)}	± 5 %
Max. peak output current (non-repetitive)	≤ output current + 15 %
Output LF current ripple (< 120 Hz)	± 3.3 %
Max. output voltage (HV)	60 V
Max. output voltage (LV)	30 V
Dimming range	5 – 100 % (min. 10 mA)
Mains surge capability (between L – N) ³⁾	6 kV / 3 kA
Mains surge capability up to (between L/N – PE)	8 kV (10 kV at 3 pulses)
Burst protection	6 kV
Surge voltage at output side (against PE)	< 1 kV
Dimensions L x W x H	123 x 77 x 31 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number ⁶⁾	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 24/200-1050/39 NF C ADV3	87500822	20 pc(s).	1,200 pc(s).	0.212 kg

Specific technical data

Type	Output current ¹⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature t _c	Ambient temperature t _a max.
High voltage output (HV)								
LCO 24/200-1050/39 NF C ADV3	200 mA	19.2 V	39.0 V	7.8 W	10.4 W	51 mA	80 °C	-40 ... +70 °C
	250 mA	19.0 V	39.0 V	9.8 W	12.4 W	60 mA	80 °C	-40 ... +70 °C
	300 mA	19.0 V	39.0 V	11.7 W	14.3 W	68 mA	80 °C	-40 ... +70 °C
	350 mA	19.0 V	39.0 V	13.7 W	16.4 W	76 mA	80 °C	-40 ... +70 °C
	400 mA	19.0 V	39.0 V	15.6 W	18.5 W	85 mA	80 °C	-40 ... +70 °C
	450 mA	19.0 V	39.0 V	17.6 W	20.4 W	95 mA	85 °C	-40 ... +70 °C
	500 mA	19.0 V	39.0 V	19.5 W	22.6 W	102 mA	85 °C	-40 ... +70 °C
	550 mA	19.0 V	39.0 V	21.5 W	24.6 W	111 mA	85 °C	-40 ... +70 °C
	600 mA	19.0 V	39.0 V	23.4 W	26.7 W	120 mA	85 °C	-40 ... +70 °C
	650 mA	19.0 V	36.9 V	24.0 W	27.3 W	124 mA	85 °C	-40 ... +70 °C
	700 mA	19.0 V	34.3 V	24.0 W	27.3 W	123 mA	85 °C	-40 ... +70 °C
	750 mA	19.0 V	32.0 V	24.0 W	27.3 W	123 mA	85 °C	-40 ... +70 °C
	800 mA	19.0 V	30.0 V	24.0 W	27.3 W	123 mA	85 °C	-40 ... +70 °C
	850 mA	19.0 V	28.2 V	24.0 W	27.3 W	123 mA	85 °C	-40 ... +70 °C
	900 mA	19.0 V	26.7 V	24.0 W	27.3 W	123 mA	80 °C	-40 ... +65 °C
	950 mA	19.0 V	25.3 V	24.0 W	27.3 W	123 mA	80 °C	-40 ... +65 °C
	1,000 mA	19.0 V	24.0 V	24.0 W	27.3 W	123 mA	80 °C	-40 ... +65 °C
1,050 mA	19.0 V	22.9 V	24.0 W	27.4 W	123 mA	80 °C	-40 ... +65 °C	
Low voltage output (LV)								
LCO 24/200-1050/39 NF C ADV3	200 mA	19.2 V	23.0 V	4.6 W	7.2 W	40 mA	75 °C	-40 ... +70 °C
	250 mA	15.4 V	23.0 V	5.8 W	8.5 W	43 mA	75 °C	-40 ... +70 °C
	300 mA	12.8 V	23.0 V	6.9 W	9.7 W	47 mA	75 °C	-40 ... +70 °C
	350 mA	11.0 V	23.0 V	8.1 W	11.0 W	54 mA	80 °C	-40 ... +70 °C
	400 mA	11.0 V	23.0 V	9.2 W	12.3 W	60 mA	80 °C	-40 ... +70 °C
	450 mA	11.0 V	23.0 V	10.4 W	13.5 W	65 mA	80 °C	-40 ... +70 °C
	500 mA	11.0 V	23.0 V	11.5 W	14.9 W	70 mA	80 °C	-40 ... +70 °C
	550 mA	11.0 V	23.0 V	12.7 W	16.1 W	75 mA	80 °C	-40 ... +70 °C
	600 mA	11.0 V	23.0 V	13.8 W	17.5 W	81 mA	85 °C	-40 ... +70 °C
	650 mA	11.0 V	23.0 V	15.0 W	18.8 W	86 mA	85 °C	-40 ... +70 °C
	700 mA	11.0 V	23.0 V	16.1 W	20.0 W	92 mA	85 °C	-40 ... +70 °C
	750 mA	11.0 V	23.0 V	17.3 W	21.2 W	96 mA	85 °C	-40 ... +70 °C
	800 mA	11.0 V	23.0 V	18.4 W	22.3 W	101 mA	85 °C	-40 ... +70 °C
	850 mA	11.0 V	23.0 V	19.6 W	23.5 W	107 mA	85 °C	-40 ... +70 °C
	900 mA	11.0 V	23.0 V	20.7 W	24.7 W	112 mA	80 °C	-40 ... +65 °C
	950 mA	11.0 V	23.0 V	21.9 W	25.8 W	117 mA	80 °C	-40 ... +65 °C
	1,000 mA	11.0 V	23.0 V	23.0 W	27.4 W	124 mA	80 °C	-40 ... +65 °C
1,050 mA	11.0 V	22.9 V	24.0 W	28.3 W	128 mA	80 °C	-40 ... +65 °C	

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ L-N acc. to EN 61000-4-5, 2 Ohm, 1,2/50 µs, 8/20 µs.

⁴⁾ Output current is mean value.

⁵⁾ Tolerance range ±5 %.

⁶⁾ NFC function available at 4th quarter 2018.



NEW

Driver LCO 40W 200–1050mA 64V NF C ADV3

ADVANCED outdoor series

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 200 – 1,050 mA via NFC or ready2mains™ Programmer⁶⁾
- Max. output power 40 W
- Lowest power input on stand-by < 0.16 W
- Up to 91 % efficiency
- Dimming range 5 – 100 % (min. 10 mA)
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time of 100,000 h and 8-year guarantee

Interfaces

- Near field communication (NFC)⁶⁾
- ready2mains™ (configuration via mains)
- U6Me2 (configuration of chronoSTEP 2 via mains)
- Terminal blocks: 45° push terminals

Functions

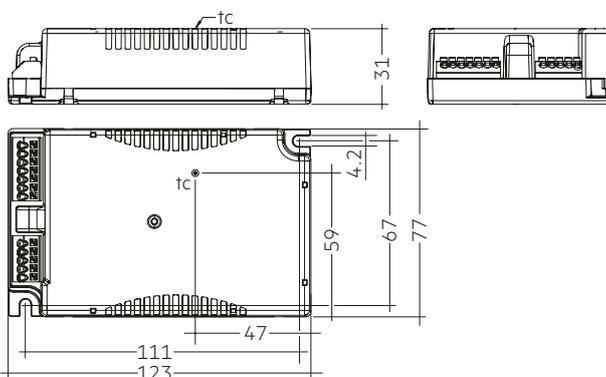
- Adjustable output current (NFC, ready2mains™)⁶⁾
- Programmable chronoSTEP: times and levels (NFC, U6Me2, ready2mains™)⁶⁾
- Dimming through mains voltage (inputDIM)
- Enhanced constant light output function (CLO)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Configurable internal temperature management (ITM)
- Input voltage regulation (IVG)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via NFC, ready2mains™ and U6Me2⁶⁾
- In-field programming possible after installation with NFC interface and ready2mains⁶⁾
- High overvoltage protection: up to 10 kV (3 pulses) asymmetric (protection class I and II)

Typical applications

- Road, street and industry
- For product data sheet go to www.tridonic.com, or available on request

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
inputDIM voltage range	170 – 250 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	56 – 200 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	10 – 35 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 325 µA
Max. input power	46 W
Typ. efficiency (at 230 V / 50 Hz / full load) ^{2) 5)}	91 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.97
Typ. power input on stand-by	< 0.16 W
In-rush current (peak / duration)	24.88 A / 236 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 8 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 750 ms
Starting time (DC mode)	< 800 ms
Switchover time (AC/DC)	< 300 ms
Turn off time (at 230 V, 50 Hz, full load)	< 500 ms
Output current tolerance ^{1) 4)}	± 5 %
Max. peak output current (non-repetitive)	≤ output current + 15 %
Output LF current ripple (< 120 Hz)	± 3.3 %
Max. output voltage (HV)	90 V
Max. output voltage (LV)	50 V
Dimming range	5 – 100 % (min. 10 mA)
Mains surge capability (between L – N) ³⁾	6 kV / 3 kA
Mains surge capability up to (between L/N – PE)	8 kV (10 kV at 3 pulses)
Burst protection	6 kV
Surge voltage at output side (against PE)	< 1 kV
Dimensions L x W x H	123 x 77 x 31 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Articlenumber ⁶⁾	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 40/200-1050/64 NF C ADV3	87500823	20 pc(s).	1,200 pc(s).	0.211 kg

Specific technical data

Type	Output current ¹⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature t _c	Ambient temperature t _a max.
High voltage output (HV)								
LCO 40/200-1050/64 NF C ADV3	200 mA	32.0 V	64.0 V	12.8 W	15.8 W	76 mA	90 °C	-40 ... +70 °C
	250 mA	30.0 V	64.0 V	16.0 W	19.1 W	88 mA	90 °C	-40 ... +70 °C
	300 mA	30.0 V	64.0 V	19.2 W	22.4 W	101 mA	90 °C	-40 ... +70 °C
	350 mA	30.0 V	64.0 V	22.4 W	25.7 W	116 mA	90 °C	-40 ... +70 °C
	400 mA	30.0 V	64.0 V	25.6 W	30.5 W	130 mA	90 °C	-40 ... +70 °C
	450 mA	30.0 V	64.0 V	28.8 W	32.5 W	148 mA	90 °C	-40 ... +70 °C
	500 mA	30.0 V	64.0 V	32.0 W	35.9 W	160 mA	90 °C	-40 ... +70 °C
	550 mA	30.0 V	64.0 V	35.2 W	39.5 W	174 mA	95 °C	-40 ... +70 °C
	600 mA	30.0 V	64.0 V	38.4 W	42.8 W	191 mA	95 °C	-40 ... +70 °C
	650 mA	30.0 V	61.5 V	40.0 W	44.3 W	195 mA	95 °C	-40 ... +70 °C
	700 mA	30.0 V	57.1 V	40.0 W	44.2 W	196 mA	95 °C	-40 ... +70 °C
	750 mA	30.0 V	53.3 V	40.0 W	44.0 W	195 mA	95 °C	-40 ... +70 °C
	800 mA	30.0 V	50.0 V	40.0 W	44.0 W	195 mA	95 °C	-40 ... +70 °C
	850 mA	30.0 V	47.1 V	40.0 W	44.1 W	195 mA	90 °C	-40 ... +65 °C
	900 mA	30.0 V	44.4 V	40.0 W	44.0 W	195 mA	90 °C	-40 ... +65 °C
	950 mA	30.0 V	42.1 V	40.0 W	44.2 W	195 mA	90 °C	-40 ... +65 °C
	1,000 mA	30.0 V	40.0 V	40.0 W	43.9 W	194 mA	90 °C	-40 ... +65 °C
1,050 mA	30.0 V	38.1 V	40.0 W	44.0 W	195 mA	90 °C	-40 ... +65 °C	
Low voltage output (LV)								
LCO 40/200-1050/64 NF C ADV3	200 mA	32.0 V	38.0 V	7.6 W	10.7 W	56 mA	85 °C	-40 ... +70 °C
	250 mA	25.6 V	38.0 V	9.5 W	12.8 W	64 mA	85 °C	-40 ... +70 °C
	300 mA	21.3 V	38.0 V	11.4 W	14.7 W	71 mA	90 °C	-40 ... +70 °C
	350 mA	18.3 V	38.0 V	13.3 W	16.8 W	79 mA	90 °C	-40 ... +70 °C
	400 mA	18.0 V	38.0 V	15.2 W	18.7 W	87 mA	90 °C	-40 ... +70 °C
	450 mA	18.0 V	38.0 V	17.1 W	21.0 W	95 mA	90 °C	-40 ... +70 °C
	500 mA	18.0 V	38.0 V	19.0 W	22.7 W	104 mA	90 °C	-40 ... +70 °C
	550 mA	18.0 V	38.0 V	20.9 W	24.8 W	112 mA	90 °C	-40 ... +70 °C
	600 mA	18.0 V	38.0 V	22.8 W	26.8 W	121 mA	90 °C	-40 ... +70 °C
	650 mA	18.0 V	38.0 V	24.7 W	29.0 W	130 mA	90 °C	-40 ... +70 °C
	700 mA	18.0 V	38.0 V	26.6 W	31.0 W	138 mA	95 °C	-40 ... +70 °C
	750 mA	18.0 V	38.0 V	28.5 W	33.0 W	147 mA	95 °C	-40 ... +70 °C
	800 mA	18.0 V	38.0 V	30.4 W	34.8 W	155 mA	95 °C	-40 ... +70 °C
	850 mA	18.0 V	38.0 V	32.3 W	37.0 W	163 mA	90 °C	-40 ... +65 °C
	900 mA	18.0 V	38.0 V	34.2 W	39.0 W	173 mA	90 °C	-40 ... +65 °C
	950 mA	18.0 V	38.0 V	36.1 W	41.0 W	181 mA	90 °C	-40 ... +65 °C
	1,000 mA	18.0 V	38.0 V	38.0 W	42.9 W	190 mA	90 °C	-40 ... +65 °C
1,050 mA	18.0 V	38.0 V	39.9 W	45.0 W	200 mA	90 °C	-40 ... +65 °C	

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ L-N acc. to EN 61000-4-5, 2 Ohm, 1,2/50 µs, 8/20 µs.

⁴⁾ Output current is mean value.

⁵⁾ Tolerance range ±5 %.

⁶⁾ NFC function available at 4th quarter 2018.



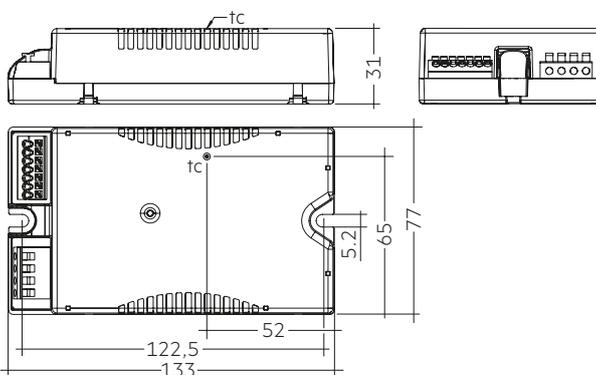
NEW

Driver LCO 60W 200–1050mA 100V NF C ADV3

ADVANCED outdoor series

Product description

- Dimmable built-in constant current LED Driver
- Output current adjustable between 200 – 1,050 mA via NFC or ready2mains™ Programmer⁶⁾
- Max. output power 60 W
- Lowest power input on stand-by < 0.16 W
- Up to 92 % efficiency
- Dimming range 5 – 100 % (min. 10 mA)
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time of 100,000 h and 8-year guarantee

**Interfaces**

- Near field communication (NFC)⁶⁾
- ready2mains™ (configuration via mains)
- U6Me2 (configuration of chronoSTEP 2 via mains)
- Terminal blocks: 45° / 0° push terminals

Functions

- Adjustable output current (NFC, ready2mains™)⁶⁾
- Programmable chronoSTEP: times and levels (NFC, U6Me2, ready2mains™)⁶⁾
- Dimming through mains voltage (inputDIM)
- Enhanced constant light output function (CLO)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Configurable internal temperature management (ITM)
- Input voltage regulation (IVG)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via NFC, ready2mains™ and U6Me2⁶⁾
- In-field programming possible after installation with NFC interface and ready2mains⁶⁾
- High overvoltage protection: up to 10 kV (3 pulses) asymmetric (protection class I and II)

Typical applications

- Road, street and industry
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
inputDIM voltage range	170 – 250 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	77 – 289 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	15 – 54 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 325 µA
Max. input power	68 W
Typ. efficiency (at 230 V / 50 Hz / full load) ^{2) 5)}	92 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.97
Typ. power input on stand-by	< 0.16 W
In-rush current (peak / duration)	32 A / 355 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 8 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 750 ms
Starting time (DC mode)	< 800 ms
Switchover time (AC/DC)	< 300 ms
Turn off time (at 230 V, 50 Hz, full load)	< 500 ms
Output current tolerance ^{1) 4)}	± 5 %
Max. peak output current (non-repetitive)	± output current + 15 %
Output LF current ripple (< 120 Hz)	± 3.3 %
Max. output voltage (HV)	130 V
Max. output voltage (LV)	80 V
Dimming range	5 – 100 % (min. 10 mA)
Mains surge capability (between L – N) ³⁾	6 kV / 3 kA
Mains surge capability up to (between L/N – PE)	8 kV (10 kV at 3 pulses)
Burst protection	6 kV
Surge voltage at output side (against PE)	< 1 kV
Dimensions L x W x H	133 x 77 x 31 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number ⁶⁾	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 60/200-1050/100 NF C ADV3	87500824	20 pc(s).	1,200 pc(s).	0.237 kg

Specific technical data

Type	Output current ¹⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature t _c	Ambient temperature t _a max.
High voltage output (HV)								
LCO 60/200-1050/100 NF C ADV3	200 mA	48.0 V	100.0 V	20.0 W	24.3 W	116 mA	95 °C	-40 ... +70 °C
	250 mA	47.0 V	100.0 V	25.0 W	30.2 W	143 mA	95 °C	-40 ... +70 °C
	300 mA	47.0 V	100.0 V	30.0 W	34.7 W	162 mA	90 °C	-40 ... +65 °C
	350 mA	47.0 V	100.0 V	35.0 W	40.6 W	182 mA	85 °C	-40 ... +60 °C
	400 mA	47.0 V	100.0 V	40.0 W	45.4 W	202 mA	85 °C	-40 ... +60 °C
	450 mA	47.0 V	100.0 V	45.0 W	51.5 W	228 mA	80 °C	-40 ... +55 °C
	500 mA	47.0 V	100.0 V	50.0 W	60.0 W	247 mA	80 °C	-40 ... +55 °C
	550 mA	47.0 V	100.0 V	55.0 W	62.4 W	275 mA	85 °C	-40 ... +55 °C
	600 mA	47.0 V	100.0 V	60.0 W	66.5 W	293 mA	85 °C	-40 ... +55 °C
	650 mA	47.0 V	92.3 V	60.0 W	66.0 W	290 mA	85 °C	-40 ... +55 °C
	700 mA	47.0 V	85.7 V	60.0 W	65.9 W	290 mA	85 °C	-40 ... +55 °C
	750 mA	47.0 V	80.0 V	60.0 W	66.0 W	290 mA	85 °C	-40 ... +55 °C
	800 mA	47.0 V	75.0 V	60.0 W	65.5 W	289 mA	85 °C	-40 ... +55 °C
	850 mA	47.0 V	70.6 V	60.0 W	65.4 W	288 mA	85 °C	-40 ... +55 °C
	900 mA	47.0 V	66.7 V	60.0 W	65.7 W	289 mA	85 °C	-40 ... +55 °C
	950 mA	47.0 V	63.2 V	60.0 W	65.7 W	289 mA	85 °C	-40 ... +55 °C
	1,000 mA	47.0 V	60.0 V	60.0 W	65.6 W	289 mA	85 °C	-40 ... +55 °C
	1,050 mA	47.0 V	57.1 V	60.0 W	65.6 W	289 mA	85 °C	-40 ... +55 °C
	Low voltage output (LV)							
LCO 60/200-1050/100 NF C ADV3	200 mA	48.0 V	59.0 V	11.8 W	15.6 W	77 mA	90 °C	-40 ... +70 °C
	250 mA	38.4 V	59.0 V	14.8 W	18.9 W	90 mA	90 °C	-40 ... +70 °C
	300 mA	32.0 V	59.0 V	17.7 W	22.1 W	103 mA	90 °C	-40 ... +70 °C
	350 mA	28.0 V	59.0 V	20.7 W	25.1 W	116 mA	90 °C	-40 ... +70 °C
	400 mA	28.0 V	59.0 V	23.6 W	27.9 W	128 mA	90 °C	-40 ... +70 °C
	450 mA	28.0 V	59.0 V	26.6 W	31.3 W	142 mA	90 °C	-40 ... +65 °C
	500 mA	28.0 V	59.0 V	29.5 W	34.5 W	156 mA	90 °C	-40 ... +65 °C
	550 mA	28.0 V	59.0 V	32.5 W	38.1 W	171 mA	85 °C	-40 ... +60 °C
	600 mA	28.0 V	59.0 V	35.4 W	40.8 W	182 mA	85 °C	-40 ... +60 °C
	650 mA	28.0 V	59.0 V	38.4 W	44.0 W	196 mA	85 °C	-40 ... +60 °C
	700 mA	28.0 V	59.0 V	41.3 W	47.1 W	209 mA	85 °C	-40 ... +60 °C
	750 mA	28.0 V	59.0 V	44.3 W	50.3 W	223 mA	85 °C	-40 ... +55 °C
	800 mA	28.0 V	59.0 V	47.2 W	53.7 W	238 mA	85 °C	-40 ... +55 °C
	850 mA	28.0 V	59.0 V	50.2 W	55.9 W	247 mA	85 °C	-40 ... +55 °C
	900 mA	28.0 V	59.0 V	53.1 W	59.0 W	260 mA	85 °C	-40 ... +55 °C
	950 mA	28.0 V	59.0 V	56.1 W	62.3 W	274 mA	85 °C	-40 ... +55 °C
	1,000 mA	28.0 V	59.0 V	59.0 W	65.2 W	287 mA	85 °C	-40 ... +55 °C
	1,050 mA	28.0 V	57.1 V	60.0 W	65.2 W	287 mA	85 °C	-40 ... +55 °C

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ L-N acc. to EN 61000-4-5, 2 Ohm, 1,2/50 µs, 8/20 µs.

⁴⁾ Output current is mean value.

⁵⁾ Tolerance range ±5 %.

⁶⁾ NFC function available at 4th quarter 2018.

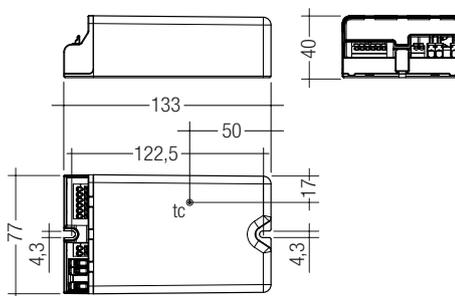


Driver LCA 30W 200–550mA 1–10 V C ADV OTD

ADVANCED outdoor series

Product description

- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 200 – 550 mA
- Output power 30 W
- Dimmable via 1 ... 10 V
- Output dimmed analogue (current amplitude)
- Dimming range 10–100 %
- Potted version
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 100,000 h
- 5-year guarantee



Housing properties

- Type of protection IP20

Functions

- Adjustable output current (I-select resistor)
 - Overload protection
 - Short-circuit protection
 - No-load protection
 - Burst protection voltage up to 6 kV
 - Surge protection voltage up to 6 kV (L to N)
 - Surge protection voltage up to 6 kV (L/N to earth)
- For product data sheet go to www.tridonic.com,
or available on request

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load)	67 – 162 mA
Power factor at full load ¹⁾	> 0.9
Max. input power	34.9 W
THD	< 20 %
Output current tolerance ²⁾	± 7.5 %
Max. peak output current	≤ output current + 40 %
Leakage current (PE)	< 0.5 mA
Starting time	< 1.5 s
Turn off time	< 0.5 s
Hold on time at power failure	< 0.5 s
Ambient temperature t_a	-40 ... +55 °C
Max. casing temperature t_c	75 °C
Storage temperature t_s	-40 ... +85 °C
Dimensions L x W x H	133 x 77 x 40 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 30W 200-550mA 1-10V C ADV OTD	87500388	15 pc(s).	390 pc(s).	0.52 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output power	Input power (at 230 V, 50 Hz, full load)	Output power (at 230 V, 50 Hz, full load)	Efficiency (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	t_c point max.	t_c/t_a for ≥ 100,000 h	I-select 2 resistor value
LCA 30W 200-550mA 1-10V C ADV OTD	200 mA	20 V	54.5 V	10.9 W	13.6 W	67 mA	77.3 %	0.92	75 °C	70/55 °C	open
	300 mA	20 V	54.5 V	16.4 W	20.3 W	92 mA	81.0 %	0.96	75 °C	70/55 °C	16.7 kΩ
	350 mA	20 V	54.5 V	19.1 W	22.8 W	103 mA	82.4 %	0.97	75 °C	70/55 °C	14.3 kΩ
	400 mA	20 V	54.5 V	21.8 W	26.1 W	117 mA	83.6 %	0.97	75 °C	70/55 °C	12.5 kΩ
	550 mA	20 V	54.5 V	30.0 W	34.9 W	162 mA	86.0 %	0.98	75 °C	70/50 °C	0.0 kΩ

¹⁾ Test result at 230 V, 50 Hz without dimmer connected.

²⁾ Output current is mean value.

RoHS

ACCESSORIES

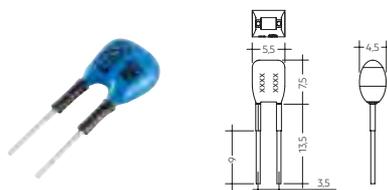
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 200MA BL	28001104	Blue	0200 mA	200 mA	25.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 k Ω	10 pc(s).	0.001 kg



Driver LCA 60W 300–1050mA 1–10 V C ADV OTD

ADVANCED outdoor series

Product description

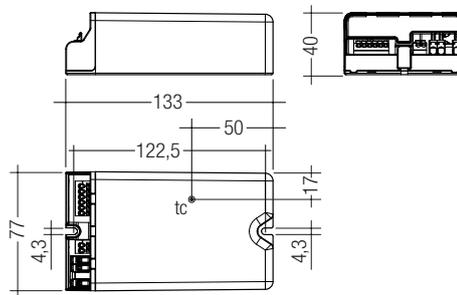
- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 300 – 1,050 mA
- Output power 60 W
- Dimmable via 1 ... 10 V
- Output dimmed analogue (current amplitude)
- Dimming range 10–100 %
- Potted version
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Type of protection IP20

Functions

- Adjustable output current (I-select resistor)
 - Overload protection
 - Short-circuit protection
 - No-load protection
 - Burst protection voltage up to 6 kV
 - Surge protection voltage up to 6 kV (L to N)
 - Surge protection voltage up to 6 kV (L/N to earth)
- For product data sheet go to www.tridonic.com,
or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load)	116 – 306 mA
Power factor at full load ¹⁾	> 0.9
Max. input power	68.2 W
THD	< 20 %
Output current tolerance ²⁾	± 7.5 %
Max. peak output current	≤ output current + 40 %
Leakage current (PE)	< 0.5 mA
Starting time	< 1.5 s
Turn off time	< 0.5 s
Hold on time at power failure	< 0.5 s
Max. output voltage	80 V
Burst / surge peaks output side against PE	< 2 kV
Ambient temperature t_a	-40 ... +55 °C
Max. casing temperature t_c (output current < 700 mA)	75 °C
Max. casing temperature t_c (output current > 700 mA)	80 °C
Storage temperature t_s	-40 ... +85 °C
Dimensions L x W x H	133 x 77 x 40 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 60W 300-1050mA 1-10V C ADV OTD	87500389	15 pc(s).	390 pc(s).	0.535 kg



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ²⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output power	Input power (at 230 V, 50 Hz, full load)	Output power (at 230 V, 50 Hz, full load)	Efficiency (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	tc/ta for \geq 100,000 h	I-select 2 resistor value
LCA 60W 300-1050mA 1-10V C ADV OTD	300 mA	20 V	57.1 V	17.1 W	22.3 W	116 mA	77.0 %	0.83	75 °C	70/50 °C	open
	500 mA	20 V	57.1 V	28.6 W	34.9 W	166 mA	82.2 %	0.92	75 °C	70/50 °C	10.0 k Ω
	700 mA	20 V	57.1 V	40.0 W	47.0 W	216 mA	85.3 %	0.95	75 °C	70/50 °C	7.1 k Ω
	900 mA	20 V	57.1 V	51.4 W	58.9 W	266 mA	87.3 %	0.96	80 °C	75/50 °C	5.6 k Ω
	1,050 mA	20 V	57.1 V	60.0 W	68.2 W	306 mA	87.5 %	0.97	80 °C	75/50 °C	0.0 k Ω

¹⁾ Test result at 230 V, 50 Hz without dimmer connected.

²⁾ Output current is mean value.

RoHS

ACCESSORIES

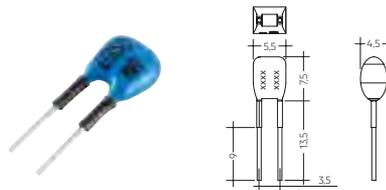
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance \pm 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance \leq 1 %; resistor power \geq 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 k Ω	10 pc(s).	0.001 kg



Driver LCA 120W 300–1050mA 1–10 V C ADV OTD

ADVANCED outdoor series

Product description

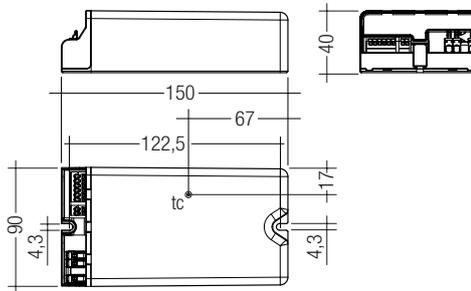
- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 300 – 1,050 mA
- Output power 120 W
- Dimmable via 1 ... 10 V
- Output dimmed analogue (current amplitude)
- Dimming range 10–100 %
- Potted version
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Type of protection IP20

Functions

- Adjustable output current (I-select resistor)
 - Overload protection
 - Short-circuit protection
 - No-load protection
 - Burst protection voltage up to 6 kV
 - Surge protection voltage up to 6 kV (L to N)
 - Surge protection voltage up to 6 kV (L/N to earth)
- For product data sheet go to www.tridonic.com,
or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load)	573 mA
Power factor at full load ¹⁾	> 0.9
Max. input power	134.8 W
THD	< 20 %
Output current tolerance ²⁾	± 7.5 %
Max. peak output current	≤ output current + 40 %
Leakage current (PE)	< 0.5 mA
Starting time	< 1.5 s
Turn off time	< 0.5 s
Hold on time at power failure	< 0.5 s
Max. output voltage	140 V
Burst / surge peaks output side against PE	< 2 kV
Ambient temperature t_a	-30 ... +55 °C
Max. casing temperature t_c	85 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	150 x 90 x 40 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 120W 300-1050mA 1-10V C ADV OTD	87500391	10 pc(s).	260 pc(s).	0.766 kg



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ²⁾	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output power	Input power (at 230 V, 50 Hz, full load)	Output power (at 230 V, 50 Hz, full load)	Efficiency (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	tc/ta for \geq 100,000 h	I-select 2 resistor value
LCA 120W 300-1050mA 1-10V C ADV OTD	300 mA	40 V	114.2 V	34.3 W	41.2 W	205 mA	84 %	0.87	70 °C	65/40 °C	open
	500 mA	40 V	114.2 V	57.1 W	64.5 W	297 mA	88 %	0.95	75 °C	65/40 °C	10.00 k Ω
	700 mA	40 V	114.2 V	79.9 W	89.1 W	400 mA	89 %	0.97	75 °C	65/40 °C	7.14 k Ω
	900 mA	40 V	114.2 V	102.8 W	113.7 W	505 mA	90 %	0.98	80 °C	65/40 °C	5.56 k Ω
	1,000 mA	40 V	114.2 V	119.9 W	133.1 W	590 mA	90 %	0.98	85 °C	65/40 °C	0.00 k Ω

¹⁾ Test result at 230 V, 50 Hz without dimmer connected.

²⁾ Output current is mean value.

RoHS

ACCES-
SORIES

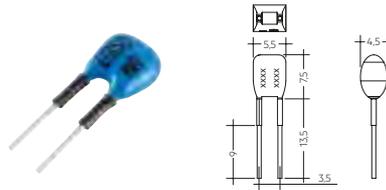
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance \pm 2 % additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance \leq 1 %; resistor power \geq 0.1 W; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 k Ω	10 pc(s).	0.001 kg

IP67      Only for 700 mA: **Driver LCI 65W 350/500/700/1050mA OTD EC**

ADVANCED outdoor series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 350, 500, 700 or 1,050 mA
- Max. output power 65 W
- Nominal life-time of 50,000 h (at max ta 55 °C with a failure rate ≤ 0.2 % per 1,000 h)
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e

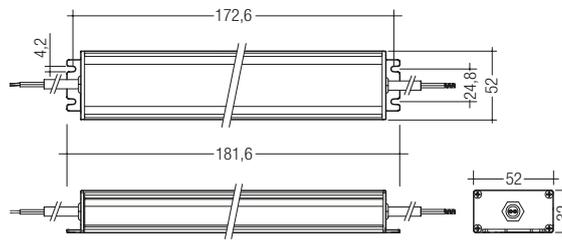
Properties

- Robust aluminium casing
- Type of protection IP67

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage up to 1.2 kV
- Surge protection voltage up to 4 kV (L to N)
- Surge protection voltage up to 6 kV (L/N to earth)

→ For product data sheet go to www.tridonic.com,
or available on request

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.32 A
Mains frequency	50 / 60 Hz
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Max. input power	75 W
Max. input power for 1,050 mA	77 W
Output power range	32.5 – 65 W
THD (at 230 V, 50 Hz, full load)	< 10 %
THD (at 230 V, 50 Hz, min. load)	< 10 %
Output current tolerance ¹⁾	± 5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 10 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure	0 s
Ambient temperature ta	-40 ... +55 °C
Ambient temperature ta (at life-time 50,000 h)	55 °C
Max. casing temperature tc	80 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	181.6 x 52 x 32 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 65 W 350mA OTD EC	87500328	10 pc(s).	100 pc(s).	500 pc(s).	0.545 kg
LCI 65 W 500mA OTD EC	87500329	10 pc(s).	100 pc(s).	500 pc(s).	0.545 kg
LCI 65 W 700mA OTD EC	87500330	10 pc(s).	100 pc(s).	500 pc(s).	0.545 kg
LCI 65W 1050mA OTD EC	28000651	10 pc(s).	100 pc(s).	500 pc(s).	0.573 kg

Specific technical data

Type	Output current ¹⁾	Power factor at full load ²⁾	Efficiency at full load ²⁾	Power factor at min. load ²⁾	Efficiency at min. load ²⁾	Min. forward voltage ²⁾	Max. forward voltage ²⁾	Max. output voltage ²⁾	Max. peak output current ²⁾
LCI 65 W 350mA OTD EC	350 mA	0.99	88 %	0.95	87 %	93 V	186 V	223 V	400 mA
LCI 65 W 500mA OTD EC	500 mA	0.99	88 %	0.95	87 %	65 V	130 V	156 V	530 mA
LCI 65 W 700mA OTD EC	700 mA	0.99	88 %	0.96	86 %	46 V	93 V	111 V	740 mA
LCI 65W 1050mA OTD EC	1,050 mA	0.99	86 %	0.95	83 %	30 V	62 V	75 V	1,110 mA

¹⁾ Output current is mean value.²⁾ Test result at 230 V, 50 Hz.

IP67        **Driver LCI 100W 350/500/700/1050mA OTD EC**

ADVANCED outdoor series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 350, 500, 700 or 1,050 mA
- Max. output power 100 W
- Nominal life-time of 50,000 h (at max ta 55 °C with a failure rate ≤ 0.2 % per 1,000 h)
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e

Properties

- Robust aluminium casing
- Type of protection IP67

Functions

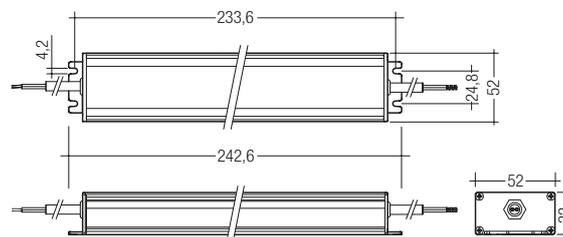
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage up to 1.2 kV
- Surge protection voltage up to 4 kV (L to N)
- Surge protection voltage up to 6 kV (L/N to earth)

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.6 A
Mains frequency	50 / 60 Hz
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Max. input power	115 W
Max. input power for 1,050 mA	118 W
Output power range	50 – 100 W
THD (at 230 V, 50 Hz, full load)	< 10 %
THD (at 230 V, 50 Hz, min. load)	< 15 %
Output current tolerance ¹⁾	± 5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	± 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	± 0.1 s
Hold on time at power failure	0 s
Ambient temperature ta	-40 ... +55 °C
Ambient temperature ta (at life-time 50,000 h)	55 °C
Max. casing temperature tc	85 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	242.6 x 52 x 32 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 100 W 350mA OTD EC	87500331	10 pc(s).	80 pc(s).	400 pc(s).	0.755 kg
LCI 100 W 500mA OTD EC	87500332	10 pc(s).	80 pc(s).	400 pc(s).	0.755 kg
LCI 100 W 700mA OTD EC	87500333	10 pc(s).	80 pc(s).	400 pc(s).	0.755 kg
LCI 100W 1050mA OTD EC	28000652	10 pc(s).	80 pc(s).	400 pc(s).	0.788 kg

Specific technical data

Type	Output current ¹⁾	Power factor at full load ²⁾	Efficiency at full load ²⁾	Power factor at min. load ²⁾	Efficiency at min. load ²⁾	Min. forward voltage ²⁾	Max. forward voltage ²⁾	Max. output voltage ²⁾	Max. peak output current ²⁾
LCI 100 W 350mA OTD EC	350 mA	0.98	91 %	0.96	89 %	143 V	286 V	343 V	370 mA
LCI 100 W 500mA OTD EC	500 mA	0.99	90 %	0.95	88 %	100 V	200 V	240 V	530 mA
LCI 100 W 700mA OTD EC	700 mA	0.98	90 %	0.95	86 %	71 V	143 V	171 V	740 mA
LCI 100W 1050mA OTD EC	1,050 mA	0.98	90 %	0.95	85 %	47 V	96 V	116 V	1,110 mA

¹⁾ Output current is mean value.

²⁾ Test result at 230 V, 50 Hz.

IP67      **Driver LCI 150W 350/500/700/1050mA OTD EC**

ADVANCED outdoor series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 350, 500, 700 or 1,050 mA
- Max. output power 150 W
- Nominal life-time of 50,000 h (at max t_a 55 °C with a failure rate \leq 0.2 % per 1,000 h)
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e

Properties

- Robust aluminium casing
- Type of protection IP67

Functions

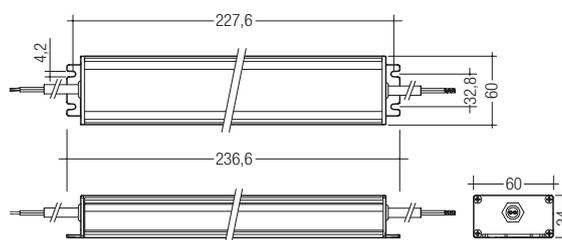
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage up to 1.2 kV
- Surge protection voltage up to 4 kV (L to N)
- Surge protection voltage up to 6 kV (L/N to earth)

→ For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.79 A
Mains frequency	50 / 60 Hz
Leakage current (at 230 V, 50 Hz, full load)	< 500 μ A
Max. input power	165 W
Max. input power for 1,050 mA	174 W
Output power range	75 – 150 W
THD (at 230 V, 50 Hz, full load)	< 10 %
THD (at 230 V, 50 Hz, min. load)	< 10 %
Output current tolerance ¹⁾	\pm 5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	\pm 5 %
Starting time (at 230 V, 50 Hz, full load)	\leq 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	\leq 0.1 s
Hold on time at power failure	0 s
Ambient temperature t_a	-40 ... +55 °C
Ambient temperature t_a (at life-time 50,000 h)	55 °C
Max. casing temperature t_c	85 °C
Storage temperature t_s	-40 ... +80 °C
Dimensions L x W x H	236.6 x 60 x 34 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 150 W 350mA OTD EC	87500334	10 pc(s).	60 pc(s).	400 pc(s).	0.835 kg
LCI 150 W 500mA OTD EC	87500335	10 pc(s).	60 pc(s).	400 pc(s).	0.835 kg
LCI 150 W 700mA OTD EC	87500336	10 pc(s).	60 pc(s).	400 pc(s).	0.942 kg
LCI 150W 1050mA OTD EC	28000653	10 pc(s).	60 pc(s).	400 pc(s).	0.920 kg

Specific technical data

Type	Output current ¹⁾	Power factor at full load ²⁾	Efficiency at full load ²⁾	Power factor at min. load ²⁾	Efficiency at min. load ²⁾	Min. forward voltage ²⁾	Max. forward voltage ²⁾	Max. output voltage ²⁾	Max. peak output current ²⁾
LCI 150 W 350mA OTD EC	350 mA	0.99	91 %	0.95	91 %	214 V	429 V	500 V	390 mA
LCI 150 W 500mA OTD EC	500 mA	0.99	91 %	0.95	90 %	150 V	300 V	360 V	550 mA
LCI 150 W 700mA OTD EC	700 mA	0.99	91 %	0.95	90 %	107 V	214 V	250 V	770 mA
LCI 150W 1050mA OTD EC	1,050 mA	0.99	90 %	0.95	89 %	71 V	143 V	172 V	1,110 mA

¹⁾ Output current is mean value.

²⁾ Test result at 230 V, 50 Hz.

IP67     Only for 500 mA: 

NEW

Driver LCO 75W 500/700/1050/1400mA fixC L SNC2

ESSENCE outdoor series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 500, 700, 1,050 or 1,400 mA
- Up to 92 % efficiency
- For luminaires of protection class I
- Expanded temperature range of -30 ... +50 °C
- Nominal life of 50,000 h
- 5-year guarantee

Properties

- Metal casing
- Type of protection IP67

Functions

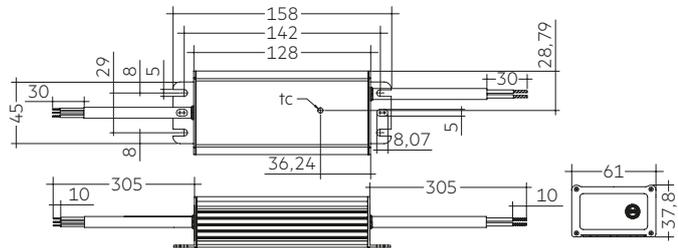
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

**Technical data**

Rated supply voltage	120 – 240 V
AC voltage range	100 – 240 V
Mains frequency	50 / 60 Hz
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
THD (at 230 V, 50 Hz, full load)	< 13 %
Output current tolerance ²⁾	± 5 %
Typ. output LF current ripple at full load ⁴⁾	< 17 %
Starting time (at 230 V, 50 Hz, full load)	≤ 1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Ambient temperature t_a	-30 ... +50 °C
Storage temperature t_s	-40 ... +85 °C
Mains burst capability	4 kV
Mains surge capability (between L – N)	4 kV
Mains surge capability (between L/N – PE)	6 kV
Surge voltage at output side (against PE)	2 kV
Dimensions L x W x H	158 x 61 x 37.8 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 75/500/150 fixC L SNC2	28002297	10 pc(s).	360 pc(s).	0.54 kg
LCO 75/700/108 fixC L SNC2	28002298	10 pc(s).	360 pc(s).	0.54 kg
LCO 75/1050/72 fixC L SNC2	28002299	10 pc(s).	360 pc(s).	0.54 kg
LCO 75/1400/53 fixC L SNC2	28002300	10 pc(s).	360 pc(s).	0.54 kg

Specific technical data

Type	Output current ²⁾	Input current (at 230 V, 50 Hz, full load)	Input power (at 230 V, 50 Hz, full load)	Max. input power	Output power range	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage (U-OUT)	Max. peak output current at full load ³⁾	Max. casing temperature t_c
LCO 75/500/150 fixC L SNC2	500 mA	0.36 A	84.2 W	84.2 W	23 - 75 W	0.97C	92 %	0.89C	82 %	45 V	150 V	160 V	745 mA	85 °C
LCO 75/700/108 fixC L SNC2	700 mA	0.37 A	82.6 W	82.6 W	23 - 75 W	0.97C	91 %	0.88C	79 %	32 V	108 V	114 V	1,000 mA	85 °C
LCO 75/1050/72 fixC L SNC2	1,050 mA	0.37 A	82.7 W	82.7 W	23 - 75 W	0.97C	91 %	0.89C	79 %	22 V	72 V	78 V	1,260 mA	85 °C
LCO 75/1400/53 fixC L SNC2	1,400 mA	0.36 A	81.8 W	81.8 W	23 - 75 W	0.95C	91 %	0.86C	78 %	16 V	53 V	56 V	1,750 mA	85 °C

¹⁾ Test result at 230 V, 50 Hz

²⁾ Output current is mean value.

³⁾ The trend between min. and full load is linear and depends on load's voltage-current character.

⁴⁾ Typical value at full load, depends on load's voltage-current character.

IP67      Only for 500 and 700 mA: 

NEW

Driver LCO 100W 500/700/1050/1400mA fixC L SNC2

ESSENCE outdoor series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 500, 700, 1050 or 1,400 mA
- Up to 91.5 % efficiency
- For luminaires of protection class I
- Expanded temperature range of -30 ... +60 °C
- Nominal life of 50,000 h
- 5-year guarantee

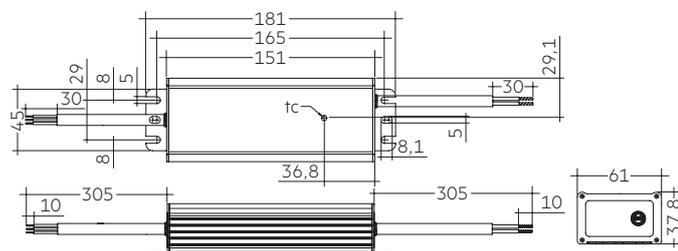
**Properties**

- Metal casing
- Type of protection IP67

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com,
or available on request

**Technical data**

Rated supply voltage	120 – 240 V
AC voltage range	100 – 240 V
Mains frequency	50 / 60 Hz
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
THD (at 230 V, 50 Hz, full load)	< 10 %
Output current tolerance ²⁾	± 5 %
Typ. output LF current ripple at full load ⁴⁾	< 15 %
Starting time (at 230 V, 50 Hz, full load)	≤ 1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Ambient temperature t_a	-30 ... +60 °C
Storage temperature t_s	-40 ... +85 °C
Mains burst capability	4 kV
Mains surge capability (between L – N)	4 kV
Mains surge capability (between L/N – PE)	6 kV
Surge voltage at output side (against PE)	2 kV
Dimensions L x W x H	181 x 61 x 37.8 mm

Ordering data

Type	Article number	Packaging carton	Packaging pallet	Weight per pc.
LCO 100/500/200 fixC L SNC2	28002301	8 pc(s).	480 pc(s).	0.61 kg
LCO 100/700/143 fixC L SNC2	28002302	8 pc(s).	480 pc(s).	0.61 kg
LCO 100/1050/95 fixC L SNC2	28002303	8 pc(s).	480 pc(s).	0.61 kg
LCO 100/1400/71 fixC L SNC2	28002304	8 pc(s).	480 pc(s).	0.61 kg

Specific technical data

Type	Output current ²⁾	Input current (at 230 V, 50 Hz, full load)	Input power (at 230 V, 50 Hz, full load)	Max. input power	Output power range	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage (U-OUT)	Max. peak output current at full load ³⁾	Max. casing temperature t_c
LCO 100/500/200 fixC L SNC2	500 mA	0.48 A	110.9 W	110.9 W	30-100 W	0.98	90.0 %	0.90C	81.5 %	60 V	200 V	210 V	600 mA	90 °C
LCO 100/700/143 fixC L SNC2	700 mA	0.48 A	108.9 W	108.9 W	30-100 W	0.96	91.5 %	0.86C	80.5 %	43 V	143 V	153 V	819 mA	90 °C
LCO 100/1050/95 fixC L SNC2	1,050 mA	0.49 A	109.7 W	109.7 W	30-100 W	0.98	91.5 %	0.89C	78.5 %	29 V	95 V	101 V	1,481 mA	90 °C
LCO 100/1400/71 fixC L SNC2	1,400 mA	0.48 A	108.2 W	108.2 W	30-100 W	0.98	92.0 %	0.86C	78.5 %	21 V	71 V	77 V	1,694 mA	90 °C

¹⁾ Test result at 230 V, 50 Hz²⁾ Output current is mean value.³⁾ The trend between min. and full load is linear and depends on load's voltage-current character.⁴⁾ Typical value at full load, depends on load's voltage-current character.

IP67     

Only for 1,400 mA: 



NEW

Driver LCO 150W 500/700/1050/1400mA fixC L SNC2

ESSENCE outdoor series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 500, 700, 1,050 or 1,400 mA
- Up to 92 % efficiency
- For luminaires of protection class I
- Expanded temperature range of -30 ... +60 °C
- Nominal life of 50,000 h
- 5-year guarantee

Properties

- Metal casing
- Type of protection IP67

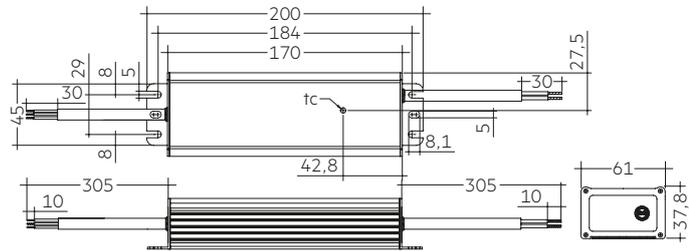
Functions

- Overtemperature protection
 - Overload protection
 - Short-circuit protection
 - No-load protection
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	120 – 240 V
AC voltage range	100 – 240 V
Mains frequency	50 / 60 Hz
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
THD (at 230 V, 50 Hz, full load)	< 10 %
Output current tolerance ²⁾	± 5 %
Typ. output LF current ripple at full load ⁴⁾	< 5 %
Starting time (at 230 V, 50 Hz, full load)	≤ 1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Ambient temperature <i>t_a</i>	-30 ... +60 °C
Storage temperature <i>t_s</i>	-40 ... +85 °C
Mains burst capability	4 kV
Mains surge capability (between L – N)	4 kV
Mains surge capability (between L/N – PE)	6 kV
Surge voltage at output side (against PE)	15 kV
Dimensions L x W x H	200 x 61 x 37.8 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 150/500/300 fixC L SNC2	28002305	8 pc(s).	480 pc(s).	0.54 kg
LCO 150/700/214 fixC L SNC2	28002306	8 pc(s).	480 pc(s).	0.54 kg
LCO 150/1050/142 fixC L SNC2	28002307	8 pc(s).	480 pc(s).	0.54 kg
LCO 150/1400/107 fixC L SNC2	28002308	8 pc(s).	480 pc(s).	0.54 kg

Specific technical data

Type	Output current ²⁾	Input current (at 230 V, 50 Hz, full load)	Input power (at 230 V, 50 Hz, full load)	Max. input power	Output power range	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage (U-OUT)	Max. peak output current at full load ³⁾	Max. casing temperature <i>t_c</i>
LCO 150/500/300 fixC L SNC2	500 mA	0.70 A	161.4 W	161.4 W	45-150 W	0.98	92.0 %	0.90C	83.0 %	90 V	300 V	310 V	615 mA	90 °C
LCO 150/700/214 fixC L SNC2	700 mA	0.71 A	163.7 W	163.7 W	45-150 W	0.98	92.0 %	0.91C	79.0 %	64 V	214 V	224 V	882 mA	90 °C
LCO 150/1050/142 fixC L SNC2	1,050 mA	0.71 A	162.5 W	162.5 W	45-150 W	0.98	92.0 %	0.89C	84.0 %	43 V	142 V	152 V	1,260 mA	90 °C
LCO 150/1400/107 fixC L SNC2	1,400 mA	0.72 A	167.3 W	167.3 W	45-150 W	0.98	89.5 %	0.91C	79.5 %	32 V	107 V	113 V	1,694 mA	90 °C

¹⁾ Test result at 230 V, 50 Hz

²⁾ Output current is mean value.

³⁾ The trend between min. and full load is linear and depends on load's voltage-current character.

⁴⁾ Typical value at full load, depends on load's voltage-current character.



NEW

Driver LCO 200W 500/700/1050/1400mA fixC L SNC2
ESSENCE outdoor series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 500, 700, 1050 or 1,400 mA
- Up to 94 % efficiency
- For luminaires of protection class I
- Expanded temperature range of -30 ... +60 °C
- Nominal life of 50,000 h
- 5-year guarantee

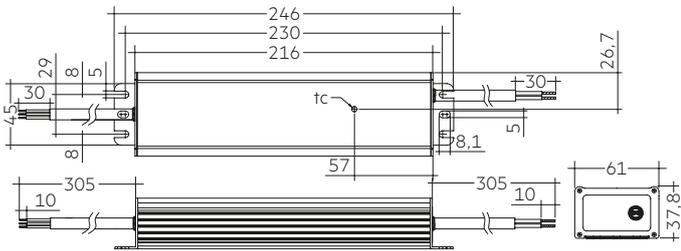


Properties

- Metal casing
- Type of protection IP67

Functions

- Overtemperature protection
 - Overload protection
 - Short-circuit protection
 - No-load protection
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	120 – 240 V
AC voltage range	100 – 240 V
Mains frequency	50 / 60 Hz
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
THD (at 230 V, 50 Hz, full load)	< 10 %
Output current tolerance ²⁾	± 5 %
Typ. output LF current ripple at full load ⁴⁾	< 5 %
Starting time (at 230 V, 50 Hz, full load)	≤ 1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Ambient temperature <i>t_a</i>	-30 ... +60 °C
Storage temperature <i>t_s</i>	-40 ... +85 °C
Mains burst capability	4 kV
Mains surge capability (between L – N)	4 kV
Mains surge capability (between L/N – PE)	6 kV
Surge voltage at output side (against PE)	1 kV
Dimensions L x W x H	246 x 61 x 37.8 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 200/500/400 fixC L SNC2	28002309	8 pc(s).	480 pc(s).	0.92 kg
LCO 200/700/285 fixC L SNC2	28002310	8 pc(s).	480 pc(s).	0.92 kg
LCO 200/1050/190 fixC L SNC2	28002311	8 pc(s).	480 pc(s).	0.92 kg
LCO 200/1400/142 fixC L SNC2	28002312	8 pc(s).	480 pc(s).	0.92 kg

Specific technical data

Type	Output current ²⁾	Input current (at 230 V, 50 Hz, full load)	Input power (at 230 V, 50 Hz, full load)	Max. input power	Output power range	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Min. forward voltage	Max. forward voltage	Max. output voltage (U-OUT)	Max. peak output current at full load ³⁾	Max. casing temperature <i>t_c</i>
LCO 200/500/400 fixC L SNC2	500 mA	0.94 A	216.3 W	216.3 W	60 - 200 W	0.98	93.5 %	0.91C	87.0 %	133 V	400 V	410 V	615 mA	90 °C
LCO 200/700/285 fixC L SNC2	700 mA	0.93 A	212.8 W	212.8 W	60 - 200 W	0.98	94.0 %	0.90C	85.0 %	95 V	285 V	295 V	819 mA	90 °C
LCO 200/1050/190 fixC L SNC2	1,050 mA	0.95 A	216.3 W	216.3 W	60 - 200 W	0.98	93.0 %	0.89C	82.0 %	63 V	190 V	200 V	1,376 mA	90 °C
LCO 200/1400/142 fixC L SNC2	1,400 mA	0.97 A	215.1 W	215.1 W	60 - 200 W	0.98	93.0 %	0.92C	83.5 %	47 V	142 V	152 V	1,960 mA	90 °C

¹⁾ Test result at 230 V, 50 Hz

²⁾ Output current is mean value.

³⁾ The trend between min. and full load is linear and depends on load's voltage-current character.

⁴⁾ Typical value at full load, depends on load's voltage-current character.



Driver LC 150W 200–1050mA IND sl EXC

EXCITE series non-SELV

Product description

- Constant current built-in control gear for LED, particularly suitable for industrial applications in tough environments such as cold warehouses or factories with elevated ambient temperatures
- The LED Driver is designed for a life-time stated above under reference conditions and with a failure probability of less than 10 %
- If being operated up to 50 °C ambient temperature for 100,000 h the LED Driver offers a lower failure probability of less than 2.5 %
- Output current adjustable between 200 – 1,050 mA
- Max. output power 150 W
- Nominal life-time up to 120,000 h
- 8-year guarantee
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Expanded temperature range of -40 ... +70 °C

Housing properties

- White slim metal casing
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)

Functions

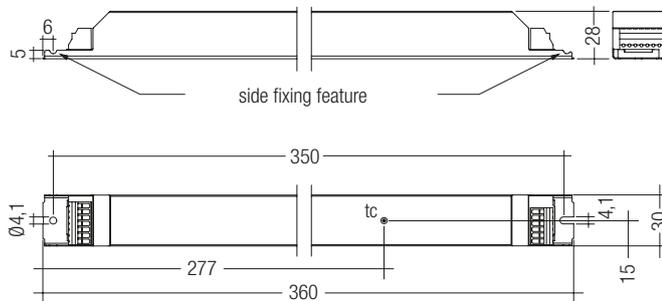
- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency escape lighting systems acc. to EN 50172
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage and undervoltage monitoring)

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	703 mA
Typ. current (220 V, 0 Hz, full load) ¹⁾	509 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 250 µA
Max. input power	158 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	96 %
λ (at 230 V, 50 Hz, full load)	0.99
Typ. input current in no-load operation	61 mA
Typ. input power in no-load operation	100 mW
In-rush current (peak / duration)	71 A / 1180 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	± 500 ms
Starting time (DC mode)	± 500 ms
Switchover time (AC/DC)	± 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ⁴⁾	± 5 %
Max. output current peak	± output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage	400 V
Suitable for burst / surge peaks up to (between L – N)	4 kV
Suitable for burst / surge peaks up to (between L/N – PE)	4 kV
Burst / surge peaks output side against PE	4.5 kV
Dimensions L x W x H	360 x 30 x 28 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 150W 200–1050mA IND sl EXC	28000691	10 pc(s).	780 pc(s).	0.331 kg

Specific technical data

Type	Output current ²⁾⁴⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ³⁾
	200 mA	150 V	300 V	60 W	63.0 W	290 mA	80 °C	-40 ... +70 °C	open
	250 mA	150 V	300 V	75 W	78.0 W	353 mA	80 °C	-40 ... +70 °C	20.00 kΩ
	300 mA	150 V	300 V	90 W	94.3 W	423 mA	80 °C	-40 ... +70 °C	16.67 kΩ
	350 mA	150 V	300 V	105 W	109.5 W	487 mA	80 °C	-40 ... +70 °C	14.29 kΩ
	400 mA	80 V	300 V	120 W	124.9 W	554 mA	80 °C	-40 ... +70 °C	12.50 kΩ
	450 mA	80 V	300 V	135 W	139.2 W	615 mA	85 °C	-40 ... +70 °C	1111 kΩ
	500 mA	80 V	300 V	150 W	155.7 W	686 mA	85 °C	-40 ... +70 °C	10.00 kΩ
	550 mA	80 V	273 V	150 W	159.5 W	703 mA	85 °C	-40 ... +70 °C	9.09 kΩ
LC 150W 200-1050mA IND sl EXC	600 mA	80 V	250 V	150 W	159.3 W	701 mA	85 °C	-40 ... +70 °C	8.33 kΩ
	650 mA	80 V	231 V	150 W	158.2 W	697 mA	85 °C	-40 ... +70 °C	7.69 kΩ
	700 mA	80 V	214 V	150 W	157.8 W	695 mA	85 °C	-40 ... +70 °C	714 kΩ
	750 mA	80 V	200 V	150 W	156.4 W	689 mA	90 °C	-40 ... +70 °C	6.67 kΩ
	800 mA	80 V	188 V	150 W	159.8 W	704 mA	90 °C	-40 ... +70 °C	6.25 kΩ
	850 mA	80 V	176 V	150 W	158.1 W	696 mA	90 °C	-40 ... +70 °C	5.88 kΩ
	900 mA	80 V	167 V	150 W	158.4 W	698 mA	90 °C	-40 ... +70 °C	5.56 kΩ
	950 mA	80 V	158 V	150 W	158.1 W	696 mA	90 °C	-40 ... +70 °C	5.26 kΩ
	1,000 mA	80 V	150 V	150 W	159.5 W	703 mA	90 °C	-40 ... +70 °C	5.00 kΩ
	1,050 mA	80 V	143 V	150 W	157.8 W	696 mA	90 °C	-40 ... +70 °C	short circuit (0 Ω)

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

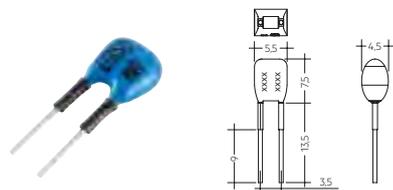
RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 200MA BL	28001104	Blue	0200 mA	200 mA	25.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 225MA BL	28001105	Blue	0225 mA	225 mA	22.22 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LC 150W 200–1050mA sl EXC

EXCITE series non-SELV

Product description

- Constant current built-in control gear for LED, particularly suitable for industrial applications in moderate environments such as semiconductor factories or logistic warehouses
- The LED Driver is designed for a life-time stated above under reference conditions and with a failure probability of less than 10 %
- Output current adjustable between 200 – 1,050 mA
- Max. output power 150 W
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Temperature range of -25 ... +60 °C

Housing properties

- White slim metal casing
- Type of protection IP20

Interfaces

- ready2mains (configuration via mains)

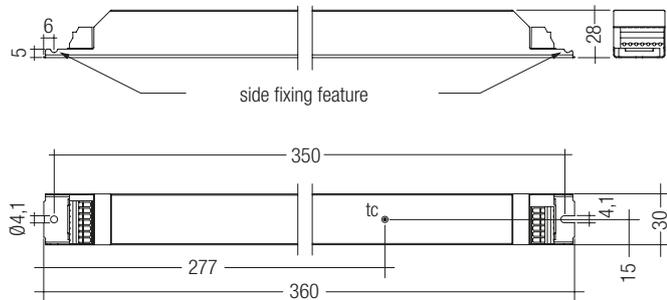
Functions

- Adjustable output current in 1-mA-steps (ready2mains, I-select 2)
 - Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
 - Suitable for emergency escape lighting systems acc. to EN 50172
 - Power-up fading at AC
 - Intelligent Temperature Guard (overtemperature protection)
 - Intelligent Voltage Guard (overvoltage and undervoltage monitoring)
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	703 mA
Typ. current (220 V, 0 Hz, full load)	509 mA
Leakage current (at 230 V, 50 Hz, full load) ²⁾	< 250 µA
Max. input power	158 W
Typ. efficiency (at 230 V, 50 Hz, full load) ³⁾	96 %
λ (at 230 V, 50 Hz, full load)	0,99
Typ. input current in no-load operation	61 mA
Typ. input power in no-load operation	100 mW
In-rush current (peak / duration)	71 A / 1,180 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Starting time (at 230 V, 50 Hz, full load)	≅ 500 ms
Starting time (DC mode)	≅ 500 ms
Switchover time (AC/DC)	≅ 0,2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ⁴⁾	± 5 %
Max. output current peak	≅ output current + 35 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage	400 V
Suitable for burst / surge peaks up to (between L – N)	4 kV
Suitable for burst / surge peaks up to (between L/N – PE)	4 kV
Burst / surge peaks output side against PE	4,5 kV
Dimensions L x W x H	360 x 30 x 28 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 150W 200–1050mA sl EXC	28001698	10 pc(s).	780 pc(s).	0.331 kg

Specific technical data

Type	Output current ^{2) 4)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select 2 resistor value ³⁾
LC 150W 200–1050mA sl EXC	200 mA	150 V	300 V	60 W	63.0 W	290 mA	70 °C	-25 ... +60 °C	open
	250 mA	150 V	300 V	75 W	78.0 W	353 mA	70 °C	-25 ... +60 °C	20.00 kΩ
	300 mA	150 V	300 V	90 W	94.3 W	423 mA	70 °C	-25 ... +60 °C	16.67 kΩ
	350 mA	150 V	300 V	105 W	109.5 W	487 mA	70 °C	-25 ... +60 °C	14.29 kΩ
	400 mA	80 V	300 V	120 W	124.9 W	554 mA	75 °C	-25 ... +60 °C	12.50 kΩ
	450 mA	80 V	300 V	135 W	139.2 W	615 mA	75 °C	-25 ... +60 °C	11.11 kΩ
	500 mA	80 V	300 V	150 W	155.7 W	686 mA	75 °C	-25 ... +60 °C	10.00 kΩ
	550 mA	80 V	273 V	150 W	159.5 W	703 mA	75 °C	-25 ... +60 °C	9.09 kΩ
	600 mA	80 V	250 V	150 W	159.3 W	701 mA	75 °C	-25 ... +60 °C	8.33 kΩ
	650 mA	80 V	231 V	150 W	158.2 W	697 mA	75 °C	-25 ... +60 °C	7.69 kΩ
	700 mA	80 V	214 V	150 W	157.8 W	695 mA	75 °C	-25 ... +60 °C	7.14 kΩ
	750 mA	80 V	200 V	150 W	156.4 W	689 mA	80 °C	-25 ... +60 °C	6.67 kΩ
	800 mA	80 V	188 V	150 W	159.8 W	704 mA	80 °C	-25 ... +60 °C	6.25 kΩ
	850 mA	80 V	176 V	150 W	158.1 W	696 mA	80 °C	-25 ... +60 °C	5.88 kΩ
	900 mA	80 V	167 V	150 W	158.4 W	698 mA	80 °C	-25 ... +60 °C	5.56 kΩ
	950 mA	80 V	158 V	150 W	158.1 W	696 mA	80 °C	-25 ... +60 °C	5.26 kΩ
	1,000 mA	80 V	150 V	150 W	159.5 W	703 mA	80 °C	-25 ... +60 °C	5.00 kΩ
1,050 mA	80 V	143 V	150 W	157.8 W	696 mA	80 °C	-25 ... +60 °C	short circuit (0 Ω)	

¹⁾ Depending on the selected output current.

²⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

³⁾ Not compatible with I-select (generation 1).

⁴⁾ Output current is mean value.

RoHS

ACCESSORIES

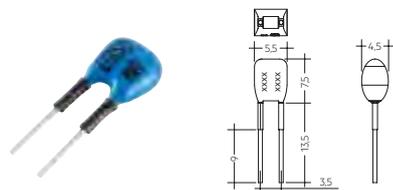
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 200MA BL	28001104	Blue	0200 mA	200 mA	25.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 225MA BL	28001105	Blue	0225 mA	225 mA	22.22 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LCI 65W 150–400mA TOP INDUSTRY sl

EXCITE series non-SELV

Product description

- Fixed output constant current built-in LED Driver, particularly suitable for industrial applications in tough environments such as cold warehouses or factories with elevated ambient temperatures
- The LED Driver is designed for a life-time stated above under reference conditions and with a failure probability of less than 10 %
- If being operated up to 50 °C ambient temperature for 100,000 h the LED Driver offers a lower failure probability of less than 2.5 %
- Output current adjustable between 150 – 400 mA
- Max. output power 65 W
- Nominal life-time of 100,000 h
- 8-year guarantee
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Expanded temperature range of -40 ... +70 °C

Housing properties

- White slim metal casing
- Type of protection IP20

Functions

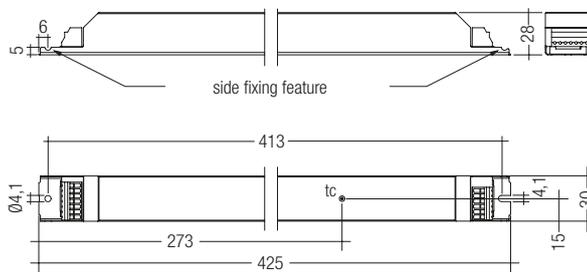
- Adjustable output current (I-select resistor)
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Suitable for emergency escape lighting systems acc. to EN 50172
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	170 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	323 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ¹⁾	56 mA
Leakage current (PE)	< 0.27 mA
Max. input power	72.8 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	> 90 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.98
THD (at 230 V, 50 Hz, full load) ¹⁾	< 5.3 %
Starting time (at 230 V, 50 Hz, full load)	< 0.4 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ²⁾	± 3 %
Output LF current ripple (< 120 Hz)	< 2 %
Max. peak output current	± output current + 18 %
Max. output voltage (no-load voltage)	250 V
Mains surge capability (between L - N)	4 kV
Mains surge capability (between L/N - PE)	4 kV
Surge voltage at output side (against PE)	< 0.5 kV
Dimensions L x W x H	425 x 30 x 28 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 65W 150–400mA TOP INDUSTRY sl	28000537	10 pc(s).	480 pc(s).	0.411 kg

Specific technical data

Type	Output current ²⁾	Min. forward voltage	Max. forward voltage ³⁾	Max. output power ³⁾	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max	Ambient temperature ta	I-select resistor value
LCI 65W 150mA-400mA TOP INDUSTRY sl	150 mA	121 V	220 V	33 W	38 W	174 mA	90 °C	-40 ... +75 °C	open
	175 mA	115 V	220 V	39 W	43 W	196 mA	90 °C	-40 ... +75 °C	63.40 kΩ
	200 mA	110 V	220 V	44 W	49 W	219 mA	90 °C	-40 ... +75 °C	54.90 kΩ
	225 mA	105 V	220 V	50 W	55 W	247 mA	90 °C	-40 ... +75 °C	47.50 kΩ
	250 mA	99 V	220 V	55 W	62 W	275 mA	90 °C	-40 ... +70 °C	40.20 kΩ
	275 mA	99 V	220 V	61 W	67 W	295 mA	90 °C	-40 ... +70 °C	34.00 kΩ
	300 mA	98 V	217 V	65 W	71 W	316 mA	90 °C	-40 ... +70 °C	27.40 kΩ
	325 mA	90 V	200 V	65 W	72 W	319 mA	90 °C	-40 ... +70 °C	22.00 kΩ
	350 mA	84 V	186 V	65 W	73 W	323 mA	90 °C	-40 ... +70 °C	12.00 kΩ
	375 mA	78 V	173 V	65 W	73 W	323 mA	90 °C	-40 ... +70 °C	6.19 kΩ
	400 mA	73 V	163 V	65 W	73 W	323 mA	90 °C	-40 ... +70 °C	short circuit (0 kΩ)

¹⁾ Depending on the selected output current.

²⁾ Output current is mean value.

³⁾ At full load.

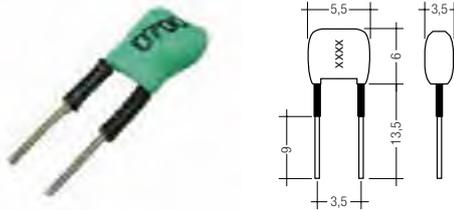
RoHS

ACCESSORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance $\pm 1\%$



Ordering data

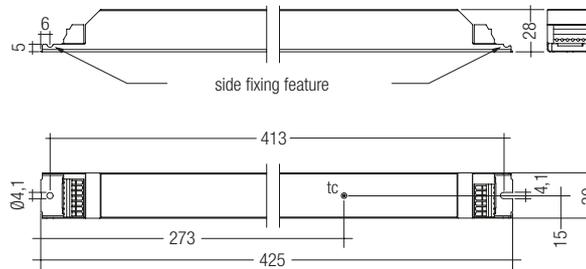
Type	Article number	Colour	Marking	Current	Packaging, bag	Weight per pc.
I-SELECT PLUG 175mA BL	28000446	Blue	0175	63.40 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 200mA BL	28000447	Blue	0200	54.90 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 225mA BL	28000448	Blue	0225	47.50 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 250mA BL	28000368	Blue	0250	40.20 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 275mA BL	28000369	Blue	0275	34.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 300mA BL	28000275	Blue	0300	27.40 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 325mA BL	28000449	Blue	0325	22.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 350mA BL	28000276	Blue	0350	12.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 375mA BL	28000450	Blue	0375	6.19 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG MAX GR	28000274	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg



Driver LCI 100W 350mA-900mA TOP INDUSTRY sl
EXCITE series non-SELV

Product description

- Fixed output constant current built-in LED Driver, particularly suitable for industrial applications in tough environments such as cold warehouses or factories with elevated ambient temperatures
- The LED Driver is designed for a life-time stated above under reference conditions and with a failure probability of less than 10 %
- If being operated up to 50 °C ambient temperature for 100,000 h the LED Driver offers a lower failure probability of less than 2.5 %
- Output current adjustable between 350 – 900 mA
- Max. output power 100 W
- Nominal life-time of 100,000 h
- 8-year guarantee
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Expanded temperature range of -40 ... +70 °C



Housing properties

- White slim metal casing
- Type of protection IP20

Functions

- Adjustable output current (I-select resistor)
 - Intelligent Temperature Guard (overtemperature protection)
 - Short-circuit protection
 - Overload protection
 - Suitable for emergency escape lighting systems acc. to EN 50172
 - Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	170 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	486 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ¹⁾	79 mA
Leakage current (PE)	< 0.27 mA
Max. input power	111 W
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	> 90 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.99
THD (at 230 V, 50 Hz, full load) ¹⁾	< 4 %
Starting time (at 230 V, 50 Hz, full load)	< 0.4 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ²⁾	± 3 %
Output LF current ripple (< 120 Hz)	< 2 %
Max. peak output current	± output current + 18 %
Max. output voltage (no-load voltage)	250 V
Mains surge capability (between L - N)	4 kV
Mains surge capability (between L/N - PE)	4 kV
Surge voltage at output side (against PE)	< 0.5 kV
Dimensions L x W x H	425 x 30 x 28 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 100W 350-900mA TOP INDUSTRY sl	28000538	10 pc(s).	480 pc(s).	0.419 kg

Specific technical data

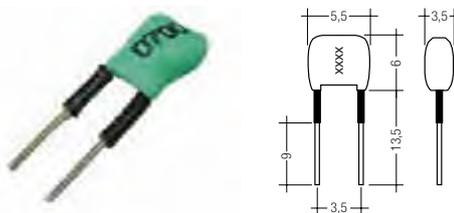
Type	Output current ²⁾	Min. forward voltage	Max. forward voltage ³⁾	Max. output power ³⁾	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max	Ambient temperature ta	I-select resistor value
	350 mA	99 V	220 V	77 W	85 W	377 mA	95 °C	-40 ... +70 °C	open
	375 mA	99 V	220 V	83 W	92 W	404 mA	95 °C	-40 ... +70 °C	71.50 kΩ
	400 mA	99 V	220 V	88 W	96 W	423 mA	95 °C	-40 ... +70 °C	66.50 kΩ
	425 mA	99 V	220 V	94 W	103 W	451 mA	95 °C	-40 ... +70 °C	61.90 kΩ
	450 mA	99 V	220 V	99 W	109 W	478 mA	100 °C	-40 ... +65 °C	57.60 kΩ
	475 mA	95 V	211 V	100 W	110 W	481 mA	100 °C	-40 ... +65 °C	53.60 kΩ
	500 mA	90 V	200 V	100 W	109 W	479 mA	100 °C	-40 ... +65 °C	49.90 kΩ
	525 mA	86 V	190 V	100 W	110 W	480 mA	100 °C	-40 ... +65 °C	45.30 kΩ
	550 mA	82 V	182 V	100 W	110 W	480 mA	100 °C	-40 ... +65 °C	42.20 kΩ
	575 mA	78 V	174 V	100 W	110 W	480 mA	100 °C	-40 ... +65 °C	38.30 kΩ
	600 mA	75 V	167 V	100 W	110 W	481 mA	100 °C	-40 ... +65 °C	35.70 kΩ
	625 mA	72 V	160 V	100 W	110 W	482 mA	100 °C	-40 ... +65 °C	32.40 kΩ
	650 mA	69 V	154 V	100 W	110 W	482 mA	100 °C	-40 ... +65 °C	28.70 kΩ
	675 mA	67 V	148 V	100 W	110 W	482 mA	100 °C	-40 ... +65 °C	26.10 kΩ
	700 mA	64 V	143 V	100 W	110 W	483 mA	100 °C	-40 ... +65 °C	22.00 kΩ
	725 mA	62 V	138 V	100 W	110 W	482 mA	100 °C	-40 ... +65 °C	17.40 kΩ
	750 mA	60 V	133 V	100 W	110 W	482 mA	100 °C	-40 ... +65 °C	15.00 kΩ
	775 mA	58 V	129 V	100 W	110 W	482 mA	100 °C	-40 ... +65 °C	12.40 kΩ
	800 mA	56 V	125 V	100 W	110 W	481 mA	100 °C	-40 ... +65 °C	10.00 kΩ
	825 mA	55 V	121 V	100 W	110 W	484 mA	100 °C	-40 ... +65 °C	7.68 kΩ
	850 mA	53 V	118 V	100 W	110 W	484 mA	100 °C	-40 ... +65 °C	5.36 kΩ
	875 mA	51 V	114 V	100 W	110 W	484 mA	100 °C	-40 ... +65 °C	3.16 kΩ
	900 mA	50 V	111 V	100 W	111 W	486 mA	100 °C	-40 ... +65 °C	short circuit (0 kΩ)

LCI 100W 350mA-900mA
TOP INDUSTRY sl¹⁾ Depending on the selected output current.²⁾ Output current is mean value.³⁾ At full load.

RoHS

ACCES-
SORIES

I-SELECT PLUG TOP / ECO



Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance $\pm 1\%$

Ordering data

Type	Article number	Colour	Marking	Current	Packaging, bag	Weight per pc.
I-SELECT PLUG 400mA GN	28000451	Green	0400	66.50 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 450mA GN	28000452	Green	0450	57.60 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	28000277	Green	0500	49.90 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 550mA GN	28000453	Green	0550	42.20 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 600mA GN	28000454	Green	0600	35.70 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 650mA GN	28000455	Green	0650	28.70 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	28000278	Green	0700	22.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 750mA GN	28000456	Green	0750	15.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 800mA GN	28000457	Green	0800	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 850mA GN	28000458	Green	0850	5.36 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG MAX GR	28000274	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg



NEW

Driver LCI 100W 200-850mA 300V o4a sl PRE

PREMIUM series non-SELV

Product description

- Constant current built-in Driver for LED, particularly suitable for industrial applications in tough environments with elevated ambient temperatures such as cold warehouses or factories
- Adjustable output current between 200 and 850 mA
- Max. output power 100 W
- Dimming range 1 – 100 %
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Expanded temperature range of -40 ... +70 °C
- Nominal life-time up to 100,000 h (at t_a 60 °C)
- 8-year guarantee

Housing properties

- White slim metal casing
- Type of protection IP20

Interfaces

- one4all (DALI-2 DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains™ (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

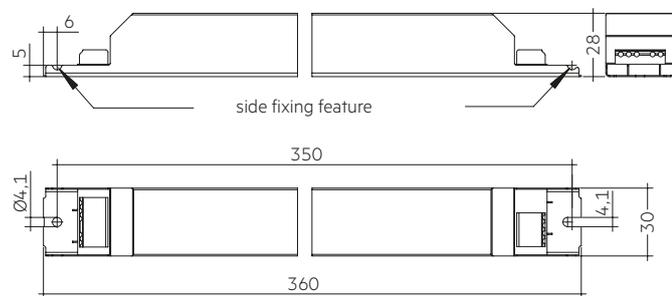
- Adjustable output current (I-select resistor or eD)
- Constant light output function (CLO)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage and undervoltage shutdown)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency lighting acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses
- Flexible configuration via DALI, ready2mains™ and I-select 2
- Extended vibration damping
- Increased safety through robust design and advanced testing under extreme test conditions
- High reliability through the selection of exclusive components

Typical applications

- For linear/area lighting in industry applications
- For product data sheet go to www.tridonic.com, or available on request

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ^{1) 2)}	470 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	84 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 250 µA
Max. input power	106.8 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	95 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.98
Typ. power input on stand-by ³⁾	< 0.25 W
Typ. input current in no-load operation	77 mA
Typ. input power in no-load operation	0.52 W
In-rush current (peak / duration)	17.3 A / 164 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 4.3 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 2.2 ms
Output current tolerance ^{1) 4)}	± 3 %
Max. output current peak (non-repetitive)	± output current + 30 %
Output LF current ripple (< 120 Hz)	± 2 %
Max. output voltage (no-load voltage)	350 V
Dimming range	1 – 100 %
Mains surge capability (between L - N)	4 kV
Mains surge capability (between L/N - PE)	4 kV
Surge voltage at output side (against PE)	4 kV
Dimensions L x W x H	360 x 30 x 28 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ^(1,2)	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature ^{tc}	Ambient temperature ^{ta} max.	I-select resistor value ⁽³⁾
LCI 100/200-850/300 o4a sl PRE	200 mA	80 V	300 V	60 W	64.1 W	290 mA	80 °C	-40 ... +70 °C	open
	250 mA	80 V	300 V	75 W	71.0 W	319 mA	80 °C	-40 ... +70 °C	20.00 kΩ
	300 mA	80 V	300 V	90 W	77.9 W	348 mA	80 °C	-40 ... +70 °C	16.67 kΩ
	350 mA	80 V	286 V	100 W	84.8 W	377 mA	80 °C	-40 ... +70 °C	14.29 kΩ
	400 mA	80 V	250 V	100 W	91.8 W	406 mA	80 °C	-40 ... +70 °C	12.50 kΩ
	450 mA	80 V	222 V	100 W	98.7 W	436 mA	80 °C	-40 ... +70 °C	11.11 kΩ
	500 mA	80 V	200 V	100 W	105.6 W	465 mA	80 °C	-40 ... +70 °C	10.00 kΩ
	550 mA	80 V	182 V	100 W	105.7 W	465 mA	81 °C	-40 ... +70 °C	9.09 kΩ
	600 mA	80 V	167 V	100 W	105.9 W	466 mA	81 °C	-40 ... +70 °C	8.33 kΩ
	650 mA	80 V	154 V	100 W	106.1 W	467 mA	81 °C	-40 ... +70 °C	7.69 kΩ
	700 mA	80 V	143 V	100 W	106.2 W	467 mA	81 °C	-40 ... +70 °C	7.14 kΩ
	750 mA	80 V	133 V	100 W	106.4 W	468 mA	82 °C	-40 ... +70 °C	6.67 kΩ
	800 mA	80 V	125 V	100 W	106.6 W	469 mA	82 °C	-40 ... +70 °C	6.25 kΩ
	850 mA	80 V	118 V	100 W	106.8 W	470 mA	82 °C	-40 ... +70 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁵⁾ Not compatible with I-select (generation 1).

⁶⁾ Output current is mean value.

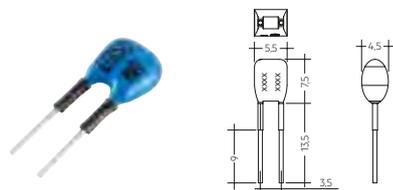
RoHS

ACCESSORIES

I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 200MA BL	28001104	Blue	0200 mA	200 mA	25.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 225MA BL	28001105	Blue	0225 mA	225 mA	22.22 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	28001106	Blue	0250 mA	250 mA	20.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	28001107	Blue	0275 mA	275 mA	18.18 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



NEW

Driver LCI 150W 325-1050mA 300V o4a sl PRE

PREMIUM series non-SELV

Product description

- Constant current built-in Driver for LED, particularly suitable for industrial applications in tough environments with elevated ambient temperatures such as cold warehouses or factories
- Adjustable output current between 325 and 1,050 mA
- Max. output power 150 W
- Dimming range 1 – 100 %
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Expanded temperature range of -40 ... +70 °C
- Nominal life-time up to 100,000 h (at t_a 60 °C)
- 8-year guarantee

Housing properties

- White slim metal casing
- Type of protection IP20

Interfaces

- one4all (DALI-2 DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains™ (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

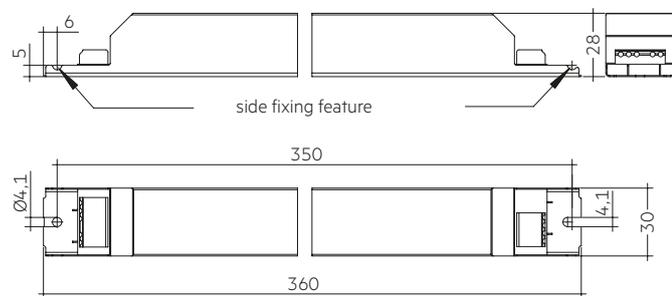
- Adjustable output current (I-select resistor or eD)
- Constant light output function (CLO)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage and undervoltage shutdown)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency lighting acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses
- Flexible configuration via DALI, ready2mains™ and I-select 2
- Extended vibration damping
- Increased safety through robust design and advanced testing under extreme test conditions
- High reliability through the selection of exclusive components

Typical applications

- For linear/area lighting in industry applications
- For product data sheet go to www.tridonic.com, or available on request

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ^{1) 2)}	681 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	119 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 250 µA
Max. input power	1571 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	95 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.98
Typ. power input on stand-by ³⁾	< 0.25 W
Typ. input current in no-load operation	78 mA
Typ. input power in no-load operation	0.54 W
In-rush current (peak / duration)	177 A / 162 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 4 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 2.4 ms
Output current tolerance ^{1) 4)}	± 3 %
Max. output current peak (non-repetitive)	± output current + 30 %
Output LF current ripple (< 120 Hz)	± 2 %
Max. output voltage (no-load voltage)	350 V
Dimming range	1 – 100 %
Mains surge capability (between L - N)	4 kV
Mains surge capability (between L/N - PE)	4 kV
Surge voltage at output side (against PE)	4 kV
Dimensions L x W x H	360 x 30 x 28 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ¹⁾²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.	I-select resistor value ³⁾
LCI 150/325-1050/300 o4a sl PRE	325 mA	80 V	300 V	97.5 W	101.2 W	447 mA	85 °C	-40 ... +70 °C	open
	400 mA	80 V	300 V	120.0 W	124.3 W	546 mA	85 °C	-40 ... +70 °C	12.50 kΩ
	450 mA	80 V	300 V	135.0 W	139.7 W	611 mA	85 °C	-40 ... +70 °C	1111 kΩ
	500 mA	80 V	300 V	150.0 W	155.1 W	677 mA	85 °C	-40 ... +70 °C	10.00 kΩ
	550 mA	80 V	273 V	150.0 W	155.2 W	678 mA	83 °C	-40 ... +65 °C	9.09 kΩ
	600 mA	80 V	250 V	150.0 W	155.4 W	679 mA	83 °C	-40 ... +65 °C	8.33 kΩ
	650 mA	80 V	231 V	150.0 W	155.5 W	679 mA	83 °C	-40 ... +65 °C	7.69 kΩ
	700 mA	80 V	214 V	150.0 W	155.7 W	680 mA	83 °C	-40 ... +65 °C	7.14 kΩ
	750 mA	80 V	200 V	150.0 W	155.8 W	681 mA	83 °C	-40 ... +65 °C	6.67 kΩ
	800 mA	80 V	188 V	150.0 W	156.0 W	682 mA	83 °C	-40 ... +65 °C	6.25 kΩ
	850 mA	80 V	176 V	150.0 W	156.2 W	683 mA	83 °C	-40 ... +65 °C	5.88 kΩ
	900 mA	80 V	167 V	150.0 W	156.5 W	684 mA	84 °C	-40 ... +65 °C	5.56 kΩ
	950 mA	80 V	158 V	150.0 W	156.7 W	684 mA	84 °C	-40 ... +65 °C	5.26 kΩ
	1000 mA	80 V	150 V	150.0 W	156.9 W	685 mA	80 °C	-40 ... +60 °C	5.00 kΩ
	1050 mA	80 V	143 V	150.0 W	157.1 W	686 mA	80 °C	-40 ... +60 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁵⁾ Not compatible with I-select (generation 1).

⁶⁾ Output current is mean value.

RoHS

ACCES-
SERIES

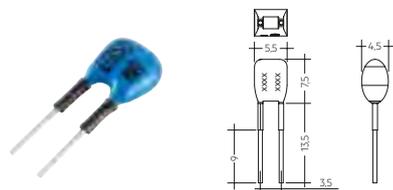
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg



NEW

Driver LCI 150W 325-1050mA 300V o4a sl PRE mod

PREMIUM series non-SELV

Product description

- Constant current built-in Driver for LED, particularly suitable for industrial applications in moderate environments such as semiconductor factories or logistic warehouses
- Adjustable output current between 325 and 1,050 mA
- Max. output power 150 W
- Dimming range 1 – 100 %
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Expanded temperature range of -25 ... +50 °C
- Nominal life-time up to 100,000 h (at ta 50 °C)
- 5-year guarantee

Housing properties

- White slim metal casing
- Type of protection IP20

Interfaces

- one4all (DALI-2 DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains™ (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

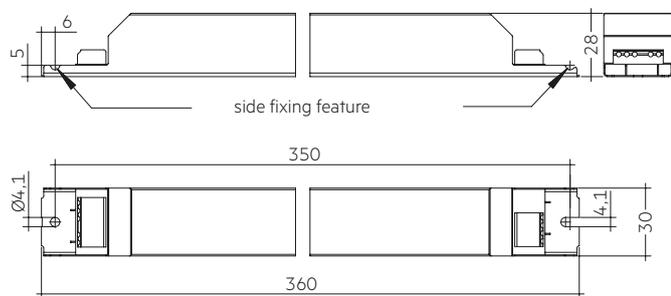
- Adjustable output current (I-select resistor or eD)
- Constant light output function (CLO)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage and undervoltage shutdown)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Suitable for emergency lighting acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses
- Flexible configuration via DALI, ready2mains™ and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee
- High reliability through the selection of exclusive components

Typical applications

- For linear/area lighting in industry applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ^{1) 2)}	681 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	119 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 180 µA
Max. input power	1571 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	95 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.98
Typ. power input on stand-by ³⁾	< 0.25 W
Typ. input current in no-load operation	78 mA
Typ. input power in no-load operation	0.54 W
In-rush current (peak / duration)	177 A / 162 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 4 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 2.4 ms
Output current tolerance ^{1) 4)}	± 3 %
Max. output current peak (non-repetitive)	± output current + 30 %
Output LF current ripple (< 120 Hz)	± 2 %
Max. output voltage (no-load voltage)	350 V
Dimming range	1 – 100 %
Mains surge capability (between L - N)	4 kV
Mains surge capability (between L/N - PE)	4 kV
Surge voltage at output side (against PE)	4 kV
Dimensions L x W x H	360 x 30 x 28 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Specific technical data

Type	Output current ¹⁾²⁾	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.	I-select resistor value ³⁾
LCI 150/325-1050/300 o4a sl PRE mod	325 mA	80 V	300 V	97.5 W	101.2 W	447 mA	68 °C	-25 ... +50 °C	open
	400 mA	80 V	300 V	120.0 W	124.3 W	546 mA	68 °C	-25 ... +50 °C	12.50 kΩ
	450 mA	80 V	300 V	135.0 W	139.7 W	611 mA	68 °C	-25 ... +50 °C	1111 kΩ
	500 mA	80 V	300 V	150.0 W	155.1 W	677 mA	68 °C	-25 ... +50 °C	10.00 kΩ
	550 mA	80 V	273 V	150.0 W	155.2 W	678 mA	70 °C	-25 ... +50 °C	9.09 kΩ
	600 mA	80 V	250 V	150.0 W	155.4 W	679 mA	70 °C	-25 ... +50 °C	8.33 kΩ
	650 mA	80 V	231 V	150.0 W	155.5 W	679 mA	70 °C	-25 ... +50 °C	7.69 kΩ
	700 mA	80 V	214 V	150.0 W	155.7 W	680 mA	70 °C	-25 ... +50 °C	7.14 kΩ
	750 mA	80 V	200 V	150.0 W	155.8 W	681 mA	70 °C	-25 ... +50 °C	6.67 kΩ
	800 mA	80 V	188 V	150.0 W	156.0 W	682 mA	70 °C	-25 ... +50 °C	6.25 kΩ
	850 mA	80 V	176 V	150.0 W	156.2 W	683 mA	70 °C	-25 ... +50 °C	5.88 kΩ
	900 mA	80 V	167 V	150.0 W	156.5 W	684 mA	72 °C	-25 ... +50 °C	5.56 kΩ
	950 mA	80 V	158 V	150.0 W	156.7 W	684 mA	72 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	80 V	150 V	150.0 W	156.9 W	685 mA	72 °C	-25 ... +50 °C	5.00 kΩ
	1,050 mA	80 V	143 V	150.0 W	157.1 W	686 mA	72 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁵⁾ Not compatible with I-select (generation 1).

⁶⁾ Output current is mean value.

RoHS

ACCES-
SERIES

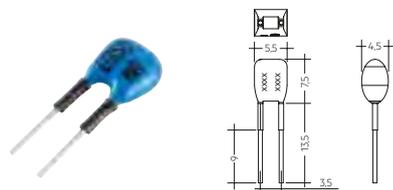
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 525MA BL	28001960	Blue	0525 mA	525 mA	9.52 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1,000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1,050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg

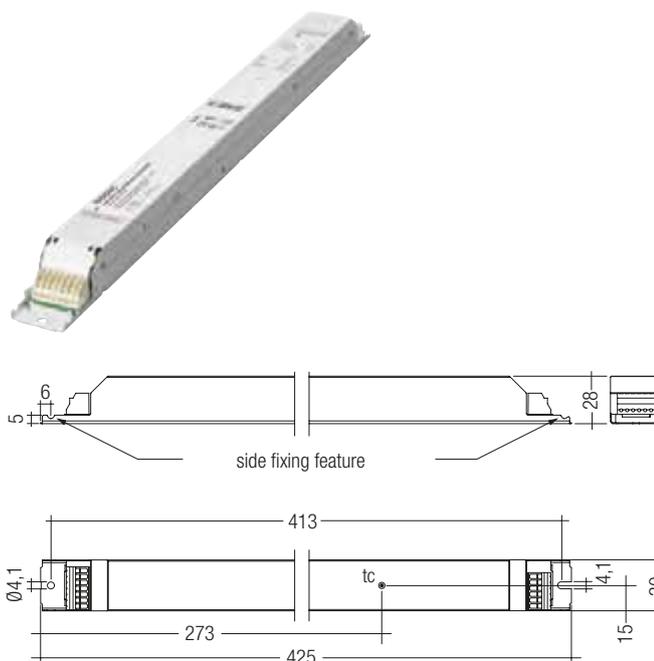


Driver LCAI 65W 150mA–400mA ECO INDUSTRY sl

PREMIUM series non-SELV

Product description

- Dimmable constant current built-in control gear for LED, particularly suitable for industrial applications in tough environments such as cold warehouses or factories with elevated ambient temperatures
- The LED Driver is designed for a life-time stated above under reference conditions and with a failure probability of less than 10 %
- If being operated up to 50 °C ambient temperature for 100,000 h the LED Driver offers a lower failure probability of less than 2.5 %
- Output current adjustable between 150 – 400 mA
- Max. output power 65 W
- Dimming range 1–100 %
- Nominal life-time up to 100,000 h
- 8-year guarantee
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Expanded temperature range of -40 ... +70 °C



Housing properties

- White slim metal casing
- Type of protection IP20

Interfaces

- DALI Device Type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION

Functions

- Adjustable output current (I-select resistor or DALI)
 - Power-up fading at AC
 - Intelligent Temperature Guard (overtemperature protection)
 - Short-circuit protection
 - Overload protection
 - Constant light output function (CLO)
 - Suitable for emergency escape lighting systems acc. to EN 50172
 - Intelligent Voltage Guard (overvoltage and undervoltage shutdown)
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ^{1) 2)}	323 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	56 mA
Leakage current (PE)	< 0.27 mA
Max. input power	72.8 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	> 90 %
λ (at 230 V, 50 Hz, full load) ^{1) 2)}	0.98
Typ. power input on stand-by ³⁾	123 mW
THD (at 230 V, 50 Hz, full load) ¹⁾	< 5.3 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.2 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Hold on time (at 230 V, 50 Hz, full load) ⁴⁾	20 ms
Output current tolerance ^{1) 5)}	± 3 %
Output LF current ripple (< 120 Hz)	< 2 %
Max. peak output current	± output current + 18 %
Max. output voltage (no-load voltage)	250 V
PWM frequency ⁶⁾	500 Hz
Dimming range	1–100 %
Dimming range (without PWM)	35–100 %
Mains surge capability (between L - N)	4 kV
Mains surge capability (between L/N - PE)	4 kV
Surge voltage at output side (against PE)	< 0.5 kV
Dimensions L x W x H	425 x 30 x 28 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 65W 150mA-400mA ECO INDUSTRY sl	28000348	10 pc(s).	480 pc(s).	0.411 kg

Specific technical data

Type	Output current ⁵⁾	Min. forward voltage	Max. forward voltage ⁷⁾	Max. output power ⁷⁾	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select resistor value
LCAI 65W 150mA-400mA ECO INDUSTRY sl	150 mA	121 V	220 V	33 W	38 W	174 mA	90 °C	-40 ... +75 °C	open
	175 mA	115 V	220 V	39 W	43 W	196 mA	90 °C	-40 ... +75 °C	63.40 kΩ
	200 mA	110 V	220 V	44 W	49 W	219 mA	90 °C	-40 ... +75 °C	54.90 kΩ
	225 mA	105 V	220 V	50 W	55 W	247 mA	90 °C	-40 ... +75 °C	47.50 kΩ
	250 mA	99 V	220 V	55 W	62 W	275 mA	90 °C	-40 ... +70 °C	40.20 kΩ
	275 mA	99 V	220 V	61 W	67 W	295 mA	90 °C	-40 ... +70 °C	34.00 kΩ
	300 mA	98 V	217 V	65 W	71 W	316 mA	90 °C	-40 ... +70 °C	27.40 kΩ
	325 mA	90 V	200 V	65 W	72 W	319 mA	90 °C	-40 ... +70 °C	22.00 kΩ
	350 mA	84 V	186 V	65 W	73 W	323 mA	90 °C	-40 ... +70 °C	12.00 kΩ
	375 mA	78 V	173 V	65 W	73 W	323 mA	90 °C	-40 ... +70 °C	6.19 kΩ
	400 mA	73 V	163 V	65 W	73 W	323 mA	90 °C	-40 ... +70 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ At power failure.

⁵⁾ Output current is mean value.

⁶⁾ ± 10 %.

⁷⁾ At full load.

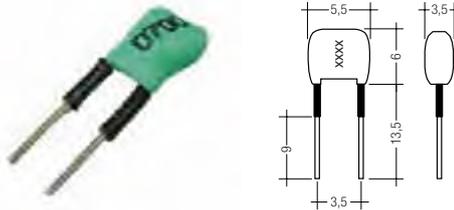
RoHS

ACCES-
SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %



Ordering data

Type	Article number	Colour	Marking	Current	Packaging, bag	Weight per pc.
I-SELECT PLUG 175mA BL	28000446	Blue	0175	63.40 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 200mA BL	28000447	Blue	0200	54.90 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 225mA BL	28000448	Blue	0225	47.50 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 300mA BL	28000275	Blue	0300	27.40 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 325mA BL	28000449	Blue	0325	22.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 350mA BL	28000276	Blue	0350	12.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 375mA BL	28000450	Blue	0375	6.19 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG MAX GR	28000274	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg

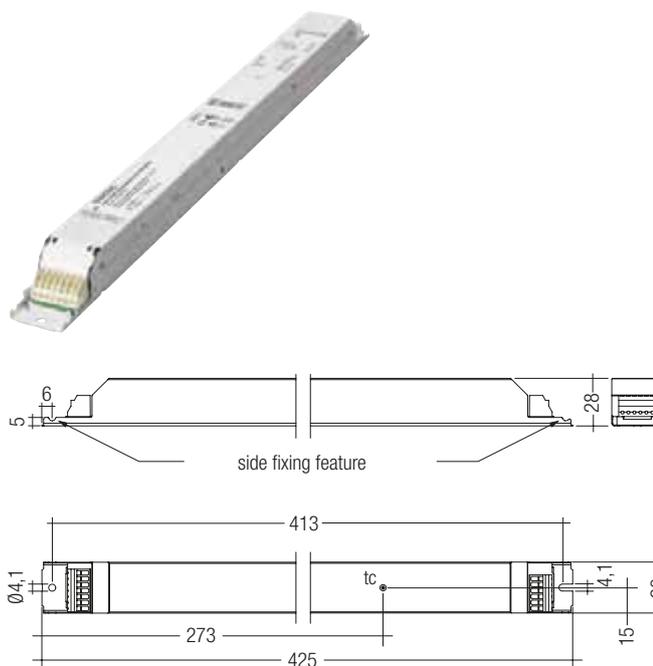


Driver LCAI 100W 350mA–900mA ECO INDUSTRY sl

PREMIUM series non-SELV

Product description

- Dimmable constant current built-in control gear for LED, particularly suitable for industrial applications in tough environments such as cold warehouses or factories with elevated ambient temperatures
- The LED Driver is designed for a life-time stated above under reference conditions and with a failure probability of less than 10 %
- If being operated up to 50 °C ambient temperature for 100,000 h the LED Driver offers a lower failure probability of less than 2.5 %
- Output current adjustable between 350 – 900 mA
- Max. output power 100 W
- Dimming range 1–100 %
- Nominal life-time up to 100,000 h
- 8-year guarantee
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Expanded temperature range of -40 ... +70 °C



Housing properties

- White slim metal casing
- Type of protection IP20

Interfaces

- DALI Device Type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION

Functions

- Adjustable output current (I-select resistor or DALI)
 - Power-up fading at AC
 - Intelligent Temperature Guard (overtemperature protection)
 - Short-circuit protection
 - Overload protection
 - Constant light output function (CLO)
 - Suitable for emergency escape lighting systems acc. to EN 50172
 - Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ^{1) 2)}	486 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	79 mA
Leakage current (PE)	< 0.27 mA
Max. input power	111 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	> 90 %
λ (at 230 V, 50 Hz, full load) ^{1) 2)}	0.99
Typ. power input on stand-by ³⁾	120 mW
THD (at 230 V, 50 Hz, full load) ¹⁾	< 4 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.2 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Hold on time (at 230 V, 50 Hz, full load) ⁴⁾	20 ms
Output current tolerance ^{1) 5)}	± 3 %
Output LF current ripple (< 120 Hz)	< 2 %
Max. peak output current	± output current + 18 %
Max. output voltage (no-load voltage)	250 V
PWM frequency ⁶⁾	500 Hz
Dimming range	1–100 %
Dimming range (without PWM)	35–100 %
Mains surge capability (between L - N)	4 kV
Mains surge capability (between L/N - PE)	4 kV
Surge voltage at output side (against PE)	< 0.5 kV
Dimensions L x W x H	425 x 30 x 28 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 100W 350mA-900mA ECO INDUSTRY sl	28000349	10 pc(s).	480 pc(s).	0.419 kg

Specific technical data

Type	Output current ⁵⁾	Min. forward voltage	Max. forward voltage ⁷⁾	Max. output power ⁷⁾	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select resistor value
	350 mA	99 V	220 V	77 W	85 W	377 mA	95 °C	-40 ... +70 °C	open
	375 mA	99 V	220 V	83 W	92 W	404 mA	95 °C	-40 ... +70 °C	71.50 kΩ
	400 mA	99 V	220 V	88 W	96 W	423 mA	95 °C	-40 ... +70 °C	66.50 kΩ
	425 mA	99 V	220 V	94 W	103 W	451 mA	95 °C	-40 ... +70 °C	61.90 kΩ
	450 mA	99 V	220 V	99 W	109 W	478 mA	100 °C	-40 ... +65 °C	57.60 kΩ
	475 mA	95 V	211 V	100 W	110 W	481 mA	100 °C	-40 ... +65 °C	53.60 kΩ
	500 mA	90 V	200 V	100 W	109 W	479 mA	100 °C	-40 ... +65 °C	49.90 kΩ
	525 mA	86 V	190 V	100 W	110 W	480 mA	100 °C	-40 ... +65 °C	45.30 kΩ
	550 mA	82 V	182 V	100 W	110 W	480 mA	100 °C	-40 ... +65 °C	42.20 kΩ
	575 mA	78 V	174 V	100 W	110 W	480 mA	100 °C	-40 ... +65 °C	38.30 kΩ
	600 mA	75 V	167 V	100 W	110 W	481 mA	100 °C	-40 ... +65 °C	35.70 kΩ
	625 mA	72 V	160 V	100 W	110 W	482 mA	100 °C	-40 ... +65 °C	32.40 kΩ
	650 mA	69 V	154 V	100 W	110 W	482 mA	100 °C	-40 ... +65 °C	28.70 kΩ
	675 mA	67 V	148 V	100 W	110 W	482 mA	100 °C	-40 ... +65 °C	26.10 kΩ
	700 mA	64 V	143 V	100 W	110 W	483 mA	100 °C	-40 ... +65 °C	22.00 kΩ
	725 mA	62 V	138 V	100 W	110 W	482 mA	100 °C	-40 ... +65 °C	17.40 kΩ
	750 mA	60 V	133 V	100 W	110 W	482 mA	100 °C	-40 ... +65 °C	15.00 kΩ
	775 mA	58 V	129 V	100 W	110 W	482 mA	100 °C	-40 ... +65 °C	12.40 kΩ
	800 mA	56 V	125 V	100 W	110 W	481 mA	100 °C	-40 ... +65 °C	10.00 kΩ
	825 mA	55 V	121 V	100 W	110 W	484 mA	100 °C	-40 ... +65 °C	7.68 kΩ
	850 mA	53 V	118 V	100 W	110 W	484 mA	100 °C	-40 ... +65 °C	5.36 kΩ
	875 mA	51 V	114 V	100 W	110 W	484 mA	100 °C	-40 ... +65 °C	3.16 kΩ
	900 mA	50 V	111 V	100 W	111 W	486 mA	100 °C	-40 ... +65 °C	short circuit (0 kΩ)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ At power failure.

⁵⁾ Output current is mean value.

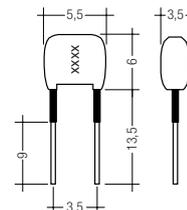
⁶⁾ ± 10 %.

⁷⁾ At full load.

RoHS

ACCESSORIES

I-SELECT PLUG TOP / ECO



Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

Ordering data

Type	Article number	Colour	Marking	Current	Packaging, bag	Weight per pc.
I-SELECT PLUG 400mA GN	28000451	Green	0400	66.50 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 450mA GN	28000452	Green	0450	57.60 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	28000277	Green	0500	49.90 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 550mA GN	28000453	Green	0550	42.20 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 600mA GN	28000454	Green	0600	35.70 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 650mA GN	28000455	Green	0650	28.70 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	28000278	Green	0700	22.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 750mA GN	28000456	Green	0750	15.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 800mA GN	28000457	Green	0800	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 850mA GN	28000458	Green	0850	5.36 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG MAX GR	28000274	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg

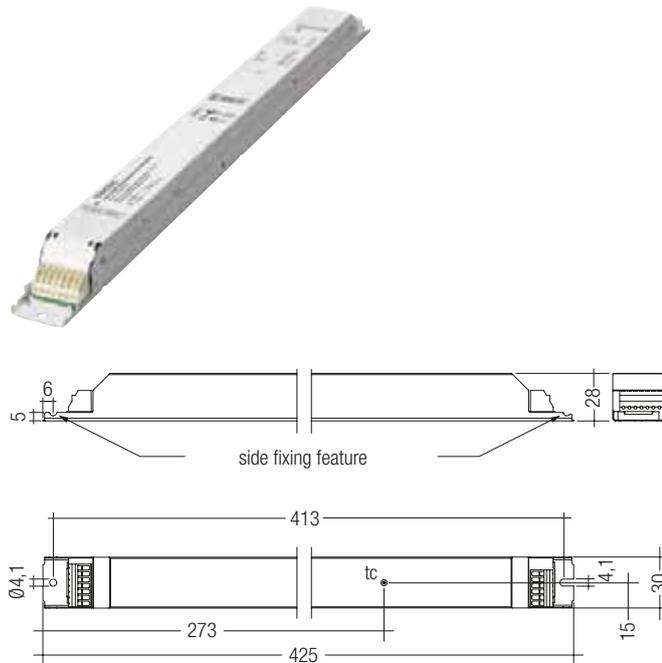


Driver LCAI 150W 350mA–1050mA ECO INDUSTRY sI

PREMIUM series non-SELV

Product description

- Dimmable constant current built-in control gear for LED, particularly suitable for industrial applications in tough environments such as cold warehouses or factories with elevated ambient temperatures
- The LED Driver is designed for a life-time stated above under reference conditions and with a failure probability of less than 10 %
- If being operated up to 50 °C ambient temperature for 100,000 h the LED Driver offers a lower failure probability of less than 2.5 %
- Output current adjustable between 350 – 1,050 mA
- Max. output power 150 W
- Dimming range 1–100 %
- Nominal life-time up to 100,000 h
- 8-year guarantee
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Expanded temperature range of -40 ... +70 °C



Housing properties

- White slim metal casing
- Type of protection IP20

Interfaces

- DALI Device Type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION

Functions

- Adjustable output current (I-select resistor or eD)
 - Power-up fading at AC
 - Intelligent Temperature Guard (overtemperature protection)
 - Short-circuit protection
 - Overload protection
 - Constant light output function (CLO)
 - Suitable for emergency escape lighting systems acc. to EN 50172
 - Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ^{1) 2)}	700 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	150 mA
Leakage current (PE)	< 0.7 mA
Max. input power	160 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	95 %
λ (at 230 V, 50 Hz, full load) ^{1) 2)}	0.98
Typ. power input on stand-by ³⁾	< 200 mW
Typ. input current in no-load operation	75 mA
Typ. input power in no-load operation	< 200 mW
In-rush current (peak / duration)	60 A / 200 μs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ^{1) 4)}	± 3 %
Output LF current ripple (< 120 Hz)	< 2 %
Max. peak output current	± output current + 20 %
Max. output voltage (no-load voltage)	420 V
PWM frequency ⁵⁾	500 Hz
Dimming range	1–100 %
Dimming range (without PWM)	35–100 %
Mains surge capability (between L - N)	4 kV
Mains surge capability (between L/N - PE)	4 kV
Surge voltage at output side (against PE)	4 kV
Dimensions L x W x H	425 x 30 x 28 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	28000527	10 pc(s).	480 pc(s).	0.385 kg

Specific technical data

Type	Output current ⁴⁾	Min. forward voltage	Max. forward voltage ⁴⁾	Max. output power ⁴⁾	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select resistor value ⁷⁾
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	350 mA	126 V	300 V	105 W	110 W	478 mA	95 °C	-40 ... +70 °C	open
	375 mA	126 V	300 V	113 W	118 W	513 mA	95 °C	-40 ... +70 °C	71.50 kΩ
	400 mA	126 V	300 V	120 W	125 W	543 mA	95 °C	-40 ... +70 °C	66.50 kΩ
	425 mA	126 V	300 V	128 W	133 W	578 mA	95 °C	-40 ... +70 °C	61.90 kΩ
	450 mA	126 V	300 V	135 W	141 W	613 mA	95 °C	-40 ... +70 °C	57.60 kΩ
	475 mA	126 V	300 V	143 W	149 W	648 mA	95 °C	-40 ... +70 °C	53.60 kΩ
	500 mA	126 V	300 V	150 W	156 W	678 mA	95 °C	-40 ... +70 °C	49.90 kΩ
	525 mA	126 V	286 V	150 W	156 W	678 mA	95 °C	-40 ... +70 °C	45.30 kΩ
	550 mA	123 V	273 V	150 W	156 W	678 mA	95 °C	-40 ... +70 °C	42.20 kΩ
	575 mA	117 V	261 V	150 W	156 W	678 mA	95 °C	-40 ... +70 °C	38.30 kΩ
	600 mA	113 V	250 V	150 W	158 W	687 mA	95 °C	-40 ... +70 °C	35.70 kΩ
	625 mA	108 V	240 V	150 W	158 W	687 mA	95 °C	-40 ... +70 °C	32.40 kΩ
	650 mA	104 V	231 V	150 W	158 W	687 mA	95 °C	-40 ... +70 °C	28.70 kΩ
	675 mA	100 V	222 V	150 W	158 W	687 mA	95 °C	-40 ... +70 °C	26.10 kΩ
	700 mA	96 V	214 V	150 W	158 W	687 mA	95 °C	-40 ... +70 °C	22.00 kΩ
	725 mA	93 V	207 V	150 W	158 W	687 mA	95 °C	-40 ... +70 °C	17.40 kΩ
	750 mA	90 V	200 V	150 W	158 W	687 mA	95 °C	-40 ... +70 °C	15.00 kΩ
	775 mA	87 V	194 V	150 W	158 W	687 mA	95 °C	-40 ... +70 °C	12.40 kΩ
	800 mA	84 V	188 V	150 W	158 W	687 mA	95 °C	-40 ... +70 °C	10.00 kΩ
	825 mA	82 V	182 V	150 W	158 W	687 mA	95 °C	-40 ... +70 °C	7.68 kΩ
850 mA	79 V	177 V	150 W	160 W	696 mA	95 °C	-40 ... +70 °C	5.36 kΩ	
875 mA	77 V	171 V	150 W	160 W	696 mA	95 °C	-40 ... +70 °C	3.16 kΩ	
900 mA	75 V	167 V	150 W	160 W	696 mA	95 °C	-40 ... +70 °C	short circuit (0 Ω)	
925 mA	73 V	162 V	150 W	160 W	696 mA	95 °C	-40 ... +70 °C	eD	
950 mA	71 V	158 V	150 W	160 W	696 mA	95 °C	-40 ... +70 °C	eD	
975 mA	69 V	154 V	150 W	160 W	696 mA	95 °C	-40 ... +70 °C	eD	
1,000 mA	68 V	150 V	150 W	160 W	696 mA	95 °C	-40 ... +70 °C	eD	
1,025 mA	66 V	146 V	150 W	160 W	696 mA	95 °C	-40 ... +70 °C	eD	
1,050 mA	64 V	143 V	150 W	160 W	696 mA	95 °C	-40 ... +70 °C	eD	

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ Output current is mean value.

⁵⁾ ± 10 %.

⁶⁾ At full load.

⁷⁾ eD: Can only be set via eD.

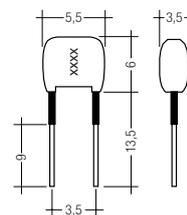
RoHS

ACCESSORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance $\pm 1\%$



Ordering data

Type	Article number	Colour	Marking	Current	Packaging, bag	Weight per pc.
I-SELECT PLUG 400mA GN	28000451	Green	0400	66.50 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 450mA GN	28000452	Green	0450	57.60 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	28000277	Green	0500	49.90 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 550mA GN	28000453	Green	0550	42.20 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 600mA GN	28000454	Green	0600	35.70 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 650mA GN	28000455	Green	0650	28.70 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	28000278	Green	0700	22.00 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 750mA GN	28000456	Green	0750	15.00 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 800mA GN	28000457	Green	0800	10.00 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 850mA GN	28000458	Green	0850	5.36 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 950mA BR	28000370	Brown	0950	69.80 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 1000mA BR	28000459	Brown	1000	64.90 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG MAX GR	28000274	Grey	MAX	0.00 k Ω	10 pc(s).	0.001 kg

**Driver LCAI 150W 350mA–1050mA ECO sl**

PREMIUM series non-SELV

Product description

- Dimmable constant current built-in control gear for LED, particularly suitable for industrial applications in moderate environments such as logistic warehouses or semiconductor factories
- Output current adjustable between 350 – 1,050 mA
- Max. output power 150 W
- Dimming range 1–100 %
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Temperature range of -25 ... +60 °C

Housing properties

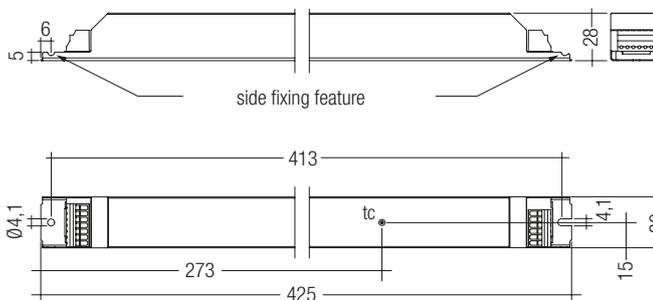
- White slim metal casing
- Type of protection IP20

Interfaces

- DALI Device Type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION

Functions

- Adjustable output current (I-select resistor or eD)
 - Power-up fading at AC
 - Intelligent Temperature Guard (overtemperature protection)
 - Short-circuit protection
 - Overload protection
 - Constant light output function (CLO)
 - Suitable for emergency escape lighting systems acc. to EN 50172
 - Intelligent Voltage Guard (overvoltage and undervoltage shutdown)
- For product data sheet go to www.tridonic.com, or available on request

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ^{1) 2)}	700 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	150 mA
Leakage current (PE)	< 0.7 mA
Max. input power	160 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	95 %
λ (at 230 V, 50 Hz, full load) ^{1) 2)}	0.98
Typ. power input on stand-by ³⁾	< 200 mW
Typ. input current in no-load operation	75 mA
Typ. input power in no-load operation	< 200 mW
In-rush current (peak / duration)	60 A / 200 μ s
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ^{1) 4)}	\pm 3 %
Output LF current ripple (< 120 Hz)	< 2 %
Max. peak output current	\leq output current + 20 %
Max. output voltage (no-load voltage)	420 V
PWM frequency ⁵⁾	500 Hz
Dimming range	1–100 %
Dimming range (without PWM)	35–100 %
Mains surge capability (between L - N)	4 kV
Mains surge capability (between L/N - PE)	4 kV
Surge voltage at output side (against PE)	4 kV
Dimensions L x W x H	425 x 30 x 28 mm



For standards see data sheet

Product / function matrix, [page 30](#)

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 150W 350mA-1050mA ECO sl	28001586	10 pc(s).	480 pc(s).	0.385 kg

Specific technical data

Type	Output current ⁴⁾	Min. forward voltage	Max. forward voltage ⁴⁾	Max. output power ⁴⁾	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select resistor value ⁷⁾
LCAI 150W 350mA-1050mA ECO sl	350 mA	126 V	300 V	105 W	110 W	478 mA	85 °C	-25 ... +60 °C	open
	375 mA	126 V	300 V	113 W	118 W	513 mA	85 °C	-25 ... +60 °C	71.50 kΩ
	400 mA	126 V	300 V	120 W	125 W	543 mA	85 °C	-25 ... +60 °C	66.50 kΩ
	425 mA	126 V	300 V	128 W	133 W	578 mA	85 °C	-25 ... +60 °C	61.90 kΩ
	450 mA	126 V	300 V	135 W	141 W	613 mA	85 °C	-25 ... +60 °C	57.60 kΩ
	475 mA	126 V	300 V	143 W	149 W	648 mA	85 °C	-25 ... +60 °C	53.60 kΩ
	500 mA	126 V	300 V	150 W	156 W	678 mA	85 °C	-25 ... +60 °C	49.90 kΩ
	525 mA	126 V	286 V	150 W	156 W	678 mA	85 °C	-25 ... +60 °C	45.30 kΩ
	550 mA	123 V	273 V	150 W	156 W	678 mA	85 °C	-25 ... +60 °C	42.20 kΩ
	575 mA	117 V	261 V	150 W	156 W	678 mA	85 °C	-25 ... +60 °C	38.30 kΩ
	600 mA	113 V	250 V	150 W	158 W	687 mA	85 °C	-25 ... +60 °C	35.70 kΩ
	625 mA	108 V	240 V	150 W	158 W	687 mA	85 °C	-25 ... +60 °C	32.40 kΩ
	650 mA	104 V	231 V	150 W	158 W	687 mA	85 °C	-25 ... +60 °C	28.70 kΩ
	675 mA	100 V	222 V	150 W	158 W	687 mA	85 °C	-25 ... +60 °C	26.10 kΩ
	700 mA	96 V	214 V	150 W	158 W	687 mA	85 °C	-25 ... +60 °C	22.00 kΩ
	725 mA	93 V	207 V	150 W	158 W	687 mA	85 °C	-25 ... +60 °C	17.40 kΩ
	750 mA	90 V	200 V	150 W	158 W	687 mA	85 °C	-25 ... +60 °C	15.00 kΩ
	775 mA	87 V	194 V	150 W	158 W	687 mA	85 °C	-25 ... +60 °C	12.40 kΩ
	800 mA	84 V	188 V	150 W	158 W	687 mA	85 °C	-25 ... +60 °C	10.00 kΩ
	825 mA	82 V	182 V	150 W	158 W	687 mA	85 °C	-25 ... +60 °C	7.68 kΩ
	850 mA	79 V	177 V	150 W	160 W	696 mA	85 °C	-25 ... +60 °C	5.36 kΩ
	875 mA	77 V	171 V	150 W	160 W	696 mA	85 °C	-25 ... +60 °C	3.16 kΩ
	900 mA	75 V	167 V	150 W	160 W	696 mA	85 °C	-25 ... +60 °C	short circuit (0 Ω)
	925 mA	73 V	162 V	150 W	160 W	696 mA	85 °C	-25 ... +60 °C	eD
	950 mA	71 V	158 V	150 W	160 W	696 mA	85 °C	-25 ... +60 °C	eD
	975 mA	69 V	154 V	150 W	160 W	696 mA	85 °C	-25 ... +60 °C	eD
	1,000 mA	68 V	150 V	150 W	160 W	696 mA	85 °C	-25 ... +60 °C	eD
	1,025 mA	66 V	146 V	150 W	160 W	696 mA	85 °C	-25 ... +60 °C	eD
	1,050 mA	64 V	143 V	150 W	160 W	696 mA	85 °C	-25 ... +60 °C	eD

¹⁾ Valid at 100 % dimming level.²⁾ Depending on the selected output current.³⁾ Depending on the DALI traffic at the interface.⁴⁾ Output current is mean value.⁵⁾ ± 10 %.⁶⁾ At full load.⁷⁾ eD: Can only be set via eD.

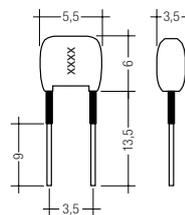
RoHS

ACCESSORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance $\pm 1\%$



Ordering data

Type	Article number	Colour	Marking	Current	Packaging, bag	Weight per pc.
I-SELECT PLUG 400mA GN	28000451	Green	0400	66.50 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 450mA GN	28000452	Green	0450	57.60 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	28000277	Green	0500	49.90 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 550mA GN	28000453	Green	0550	42.20 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 600mA GN	28000454	Green	0600	35.70 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 650mA GN	28000455	Green	0650	28.70 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	28000278	Green	0700	22.00 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 750mA GN	28000456	Green	0750	15.00 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 800mA GN	28000457	Green	0800	10.00 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 850mA GN	28000458	Green	0850	5.36 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 950mA BR	28000370	Brown	0950	69.80 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 1000mA BR	28000459	Brown	1000	64.90 k Ω	10 pc(s).	0.001 kg
I-SELECT PLUG MAX GR	28000274	Grey	MAX	0.00 k Ω	10 pc(s).	0.001 kg



Driver LCA 150W 350–900mA 1–10V IND sI EXC

EXCITE series non-SELV

Product description

- Dimmable constant current built-in LED Driver, particularly suitable for industrial applications
- Output current adjustable between 350 – 900 mA
- Max. output power 150 W
- Dimming range 1–100 %
- Nominal life-time up to 200,000 h
- 8-year guarantee
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Expanded temperature range of -40 ... +70 °C

Housing properties

- White slim metal casing
- Type of protection IP20

Interfaces

- 1 – 10 V

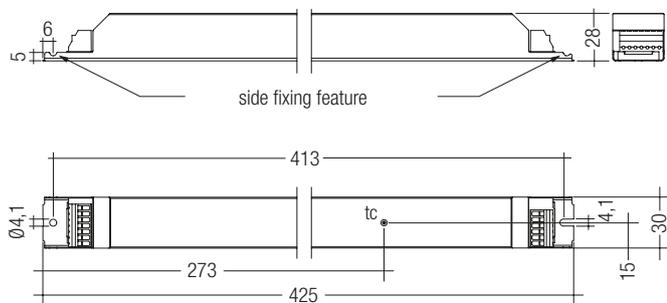
Functions

- Adjustable output current (I-select resistor)
 - Power-up fading at AC
 - Intelligent Temperature Guard (overtemperature protection)
 - Short-circuit protection
 - Overload protection
 - Suitable for emergency escape lighting systems acc. to EN 50172
 - Intelligent Voltage Guard (overvoltage and undervoltage shutdown)
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ^{1) 2)}	700 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	150 mA
Leakage current (PE)	< 0.7 mA
Max. input power	160 W
Typ. efficiency (at 230 V, 50 Hz, full load) ²⁾	95 %
λ (at 230 V, 50 Hz, full load) ^{1) 2)}	0.98
Typ. input current in no-load operation	90 mA
Typ. input power in no-load operation	< 500 mW
In-rush current (peak / duration)	60 A / 200 μ s
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ^{1) 3)}	\pm 3 %
Output LF current ripple (< 120 Hz)	\pm 2 %
Max. peak output current	\pm output current + 20 %
Max. output voltage (no-load voltage)	420 V
PWM frequency ⁴⁾	500 Hz
Dimming range	1–100 %
Dimming range (without PWM)	35–100 %
Mains surge capability (between L - N)	4 kV
Mains surge capability (between L/N - PE)	4 kV
Surge voltage at output side (against PE)	4 kV
Dimensions L x W x H	425 x 30 x 28 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 150W 350–900mA 1-10V IND sl EXC	28000835	10 pc(s).	480 pc(s).	0.383 kg

Specific technical data

Type	Output current ³⁾	Min. forward voltage	Max. forward voltage ⁵⁾	Max. output power ⁵⁾	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta max.	I-select resistor value
	350 mA	126 V	300 V	105 W	110 W	478 mA	90 °C	-40 ... +70 °C	open
	375 mA	126 V	300 V	113 W	118 W	513 mA	90 °C	-40 ... +70 °C	71.50 kΩ
	400 mA	126 V	300 V	120 W	125 W	543 mA	90 °C	-40 ... +70 °C	66.50 kΩ
	425 mA	126 V	300 V	128 W	133 W	578 mA	90 °C	-40 ... +70 °C	61.90 kΩ
	450 mA	126 V	300 V	135 W	141 W	613 mA	90 °C	-40 ... +70 °C	57.60 kΩ
	475 mA	126 V	300 V	143 W	149 W	648 mA	90 °C	-40 ... +70 °C	53.60 kΩ
	500 mA	126 V	300 V	150 W	156 W	678 mA	90 °C	-40 ... +70 °C	49.90 kΩ
	525 mA	126 V	286 V	150 W	156 W	678 mA	90 °C	-40 ... +70 °C	45.30 kΩ
	550 mA	123 V	273 V	150 W	156 W	678 mA	90 °C	-40 ... +70 °C	42.20 kΩ
	575 mA	117 V	261 V	150 W	156 W	678 mA	90 °C	-40 ... +70 °C	38.30 kΩ
	600 mA	113 V	250 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	35.70 kΩ
	625 mA	108 V	240 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	32.40 kΩ
	650 mA	104 V	231 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	28.70 kΩ
	675 mA	100 V	222 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	26.10 kΩ
	700 mA	96 V	214 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	22.00 kΩ
	725 mA	93 V	207 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	17.40 kΩ
	750 mA	90 V	200 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	15.00 kΩ
	775 mA	87 V	194 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	12.40 kΩ
	800 mA	84 V	188 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	10.00 kΩ
	825 mA	82 V	182 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	7.68 kΩ
	850 mA	79 V	177 V	150 W	160 W	696 mA	90 °C	-40 ... +70 °C	5.36 kΩ
	875 mA	77 V	171 V	150 W	160 W	696 mA	90 °C	-40 ... +70 °C	3.16 kΩ
	900 mA	75 V	167 V	150 W	160 W	696 mA	90 °C	-40 ... +70 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Output current is mean value.

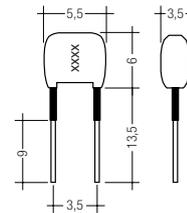
⁴⁾ ± 10 %.

⁵⁾ At full load.

RoHS

ACCESSORIES

I-SELECT PLUG TOP / ECO



Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

Ordering data

Type	Article number	Colour	Marking	Current	Packaging, bag	Weight per pc.
I-SELECT PLUG 500mA GN	28000277	Green	0500	4990 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	28000278	Green	0700	22.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG MAX GR	28000274	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg

**Driver LC 200W 1050mA UNV ADV IND**

ADVANCED series non-SELV

Product description

- Independent constant current LED Driver
- For dry, damp and wet locations
- Max. output power 200 W
- Up to 93.7 % efficiency
- Nominal life-time up to 100,000 h
- For class I luminaires
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Housing properties

- Casing: aluminium, grey
- Potted version
- Type of protection IP67

Interfaces

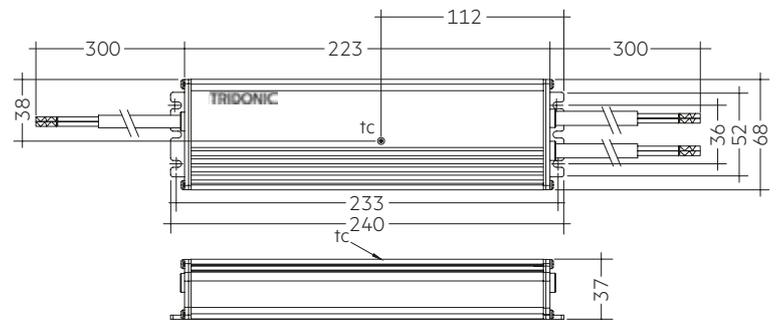
- Dimmable via 0 ... 10 V

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage 2 kV
- Surge protection voltage 6 kV (L to N)
- Surge protection voltage 6 kV (L/N to earth)

Typical applications

- For linear/area lighting in industry applications
- For product data sheet go to www.tridonic.com,
or available on request

**For standards see data sheet****Product / function matrix, [page 30](#)****Ordering data**

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 200W 1050mA UNV ADV IND	28001786	10 pc(s).	400 pc(s).	1.2 kg

Technical data

Rated supply voltage	110 – 277 V
AC voltage range	99 – 305 V
Max. input current (at 277 V, 60 Hz, full load)	0.82 A
Max. input current (at 230 V, 50 Hz, full load)	11 A
Max. input current (at 110 V, 60 Hz, full load)	21 A
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Leakage current (at 120 V, 60 Hz, full load)	< 300 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 2 h
Max. input power	227 W
Typ. power consumption (at 230 V, 50 Hz, full load)	215 W
Typ. power consumption (at 120 V, 60 Hz, full load)	219 W
Min. output power	78.7 W
Max. output power	200 W
Typ. efficiency (at 277 V, 60 Hz, full load) ¹⁾	93.7 %
Typ. efficiency (at 230 V, 50 Hz, full load) ¹⁾	93.5 %
Typ. efficiency (at 120 V, 60 Hz, full load) ¹⁾	92 %
λ (at 277 V, 60 Hz, full load) ¹⁾	0.95
λ (at 230 V, 50 Hz, full load) ¹⁾	0.95
λ (at 120 V, 60 Hz, full load) ¹⁾	0.98
Output current ²⁾	1,050 mA
Output current tolerance ²⁾	± 5 %
Max. output current peak (non-repetitive)	1,155 mA
Output LF current ripple (< 120 Hz)	5 %
Min. forward voltage	75 V
Max. forward voltage	190 V
Max. output voltage	230 V
THD (bei 277 V, 60 Hz, Vollast)	< 20 %
THD (at 230 V, 50 Hz, full load)	< 20 %
THD (bei 120 V, 60 Hz, Vollast)	< 20 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Max. casing temperature t_c	90 °C
Ambient temperature t_a	-40 ... +65 °C
Ambient temperature t_a (at life-time 100,000 h)	45 °C
Dimensions L x W x H	240 x 68 x 37 mm

¹⁾ Test result at 1,050 mA.

²⁾ Output current is mean value.



Driver LCA 35W 24V one4all SC PRE
PREMIUM series

Product description

- Dimmable 24 V constant voltage LED Driver for flexible constant voltage stripes
- One4all interface and ready2mains enable different dimming options
- Dimming range 1-100 %
- No additional external dimmer is needed
- Suitable for emergency escape lighting systems acc. to EN 50172
- Nominal life-time up to 50,000 h
- 5-year guarantee

Typical applications

- Cove lighting, facade accent lighting, ceiling integration

Technical details

- 24 V, 35 W
- Small design (195 x 43 x 30.2 mm) with stretched-compact strain-relief
- Small cross section
- Push terminals for simple wiring
- 1 output channel (+/-)

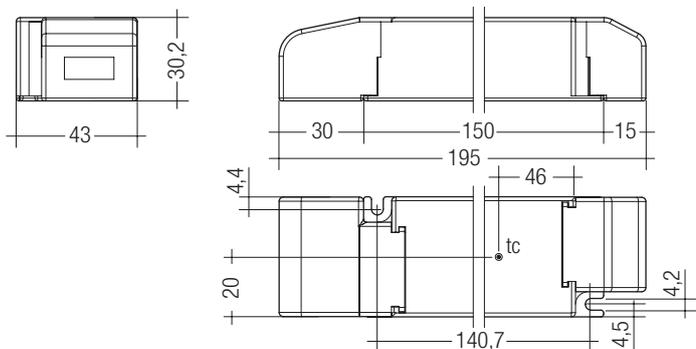
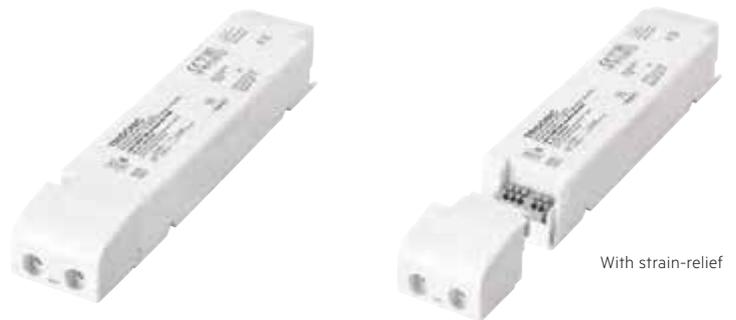
System solution

- Tridonic LLE FLEX ADV 600, 1,200, 1,800 lm/m
 - Tridonic LLE FLEX EXC 600, 1,200, 1,800, 2,500 lm/m
 - In connection with Flex accessories wire to PCB plug
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
Multi packaging				
LCA 35W 24V one4all SC PRE	28001662	10 pc(s).	390 pc(s).	0.157 kg
Single packaging ¹⁾				
LCA 35W 24V one4all SC PRE SP	28001920	10 pc(s).	480 pc(s).	0.157 kg

¹⁾ In the individual package is the driver and the strain-relief kits.

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	176 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level)	37 mA
Leakage current (at 230 V, 50 Hz, full load) ²⁾	< 320 µA
Max. input power	40 W
Typ. efficiency (at 230 V, 50 Hz, full load)	89 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.98
Typ. power input on stand-by ²⁾	< 0.2 W
Typ. input current in no-load operation	26.5 mA
Typ. input power in no-load operation ²⁾	1.78 W
In-rush current (peak / duration)	21.6 A / 136 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 6.7 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.3 s
Turn off time (at 230 V, 50 Hz, full load)	< 3 ms
Output voltage tolerance	± 1 V
Output LF voltage ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
PWM frequency	~ 1 kHz
Dimming range	1–100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Dimensions L x W x H	195 x 43 x 30.2 mm

Specific technical data

Type	Load	Forward voltage	Output current	Max. output power (at 24 V, full load)	Typ. power consumption (at 24 V, full load)	Typ. current consumption (at 24 V, full load)	Max. casing temperature tc	Ambient temperature ta max.
LCA 35W 24V one4all SC PRE	10 %	24 V	0.146 A	3.5 W	5.9 W	41 mA	75 °C	-25 ... +60 °C
	20 %	24 V	0.292 A	7.0 W	9.6 W	57 mA	75 °C	-25 ... +60 °C
	30 %	24 V	0.437 A	10.5 W	13.4 W	71 mA	75 °C	-25 ... +60 °C
	40 %	24 V	0.583 A	14.0 W	17.0 W	85 mA	75 °C	-25 ... +60 °C
	50 %	24 V	0.729 A	17.5 W	20.7 W	99 mA	80 °C	-25 ... +60 °C
	60 %	24 V	0.875 A	21.0 W	24.5 W	114 mA	80 °C	-25 ... +60 °C
	70 %	24 V	1.021 A	24.5 W	28.3 W	130 mA	80 °C	-25 ... +60 °C
	80 %	24 V	1.167 A	28.0 W	32.0 W	145 mA	75 °C	-25 ... +50 °C
	90 %	24 V	1.313 A	31.5 W	35.7 W	161 mA	75 °C	-25 ... +50 °C
	100 %	24 V	1.453 A	35.0 W	39.4 W	176 mA	75 °C	-25 ... +50 °C

¹⁾ Valid at 100 % dimming level.²⁾ Depending on the DALI traffic at the interface.



Driver LCA 60W 24V one4all SC PRE
PREMIUM series

Product description

- Dimmable 24 V constant voltage LED Driver for flexible constant voltage stripes
- One4all interface and ready2mains enable different dimming options
- Dimming range 1-100 %
- No additional external dimmer is needed
- Suitable for emergency escape lighting systems acc. to EN 50172
- Nominal life-time up to 50,000 h
- 5-year guarantee

Typical applications

- Cove lighting, facade accent lighting, ceiling integration

Technical details

- 24 V, 60 W
- Small design (225 x 43 x 30.2 mm) with stretched-compact strain-relief
- Small cross section
- Push terminals for simple wiring
- 2 output channels (+/-) for more flexibility in the application

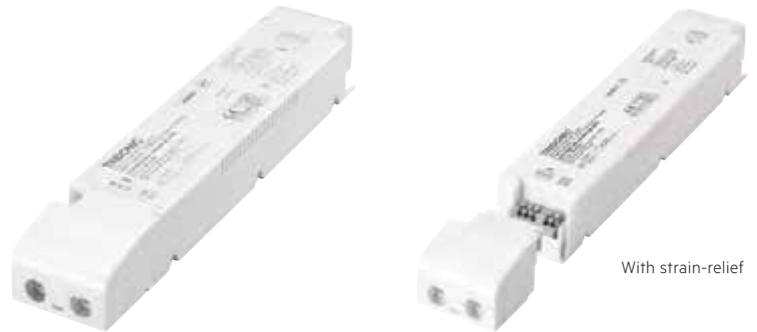
System solution

- Tridonic LLE FLEX ADV 600, 1,200, 1,800 lm/m
 - Tridonic LLE FLEX EXC 600, 1,200, 1,800, 2,500 lm/m
 - In connection with Flex accessories wire to PCB plug
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

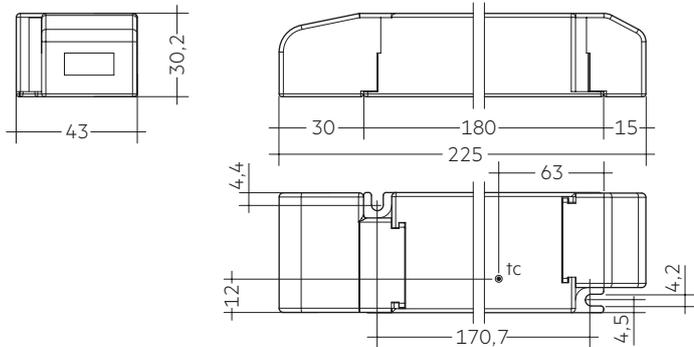
Product / function matrix, [page 30](#)



With strain-relief



System solution



Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
Multi packaging				
LCA 60W 24V one4all SC PRE	28001663	10 pc(s).	390 pc(s).	0.18 kg
Single packaging¹⁾				
LCA 60W 24V one4all SC PRE SP	28001921	10 pc(s).	480 pc(s).	0.18 kg

¹⁾ In the individual package is the driver and the strain-relief kits.

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	295 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level)	59 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 320 µA
Max. input power	67 W
Typ. efficiency (at 230 V, 50 Hz, full load)	93 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.98
Typ. power input on stand-by ²⁾	< 0.2 W
Typ. input current in no-load operation	35.8 mA
Typ. input power in no-load operation ²⁾	2.05 W
In-rush current (peak / duration)	32.2 A / 187 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 5.3 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.3 s
Turn off time (at 230 V, 50 Hz, full load)	< 3 ms
Output voltage tolerance	± 1 V
Output LF voltage ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
PWM frequency	~ 1 kHz
Dimming range	1–100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Dimensions L x W x H	225 x 43 x 30.2 mm

Specific technical data

Type	Load	Forward voltage	Output current	Max. output power (at 24 V, full load)	Typ. power consumption (at 24 V, full load)	Typ. current consumption (at 24 V, full load)	Max. casing temperature tc	Ambient temperature ta max.
LCA 60W 24V one4all SC PRE	10 %	24 V	0.25 A	6 W	8.9 W	61 mA	75 °C	-25 ... +60 °C
	20 %	24 V	0.50 A	12 W	15.3 W	88 mA	75 °C	-25 ... +60 °C
	30 %	24 V	0.75 A	18 W	21.4 W	106 mA	75 °C	-25 ... +60 °C
	40 %	24 V	1.00 A	24 W	27.8 W	132 mA	75 °C	-25 ... +55 °C
	50 %	24 V	1.25 A	30 W	34.1 W	157 mA	75 °C	-25 ... +55 °C
	60 %	24 V	1.50 A	36 W	40.6 W	184 mA	75 °C	-25 ... +55 °C
	70 %	24 V	1.75 A	42 W	47.0 W	212 mA	75 °C	-25 ... +50 °C
	80 %	24 V	2.00 A	48 W	53.5 W	239 mA	75 °C	-25 ... +50 °C
	90 %	24 V	2.25 A	54 W	60.0 W	267 mA	75 °C	-25 ... +50 °C
	100 %	24 V	2.50 A	60 W	66.4 W	295 mA	75 °C	-25 ... +50 °C

¹⁾ Valid at 100 % dimming level.²⁾ Depending on the DALI traffic at the interface.



Driver LCA 100W 24V one4all SC PRE
PREMIUM series

Product description

- Dimmable 24 V constant voltage LED Driver for flexible constant voltage stripes
- One4all interface and ready2mains enable different dimming options
- Dimming range 1-100 %
- No additional external dimmer is needed
- Suitable for emergency escape lighting systems acc. to EN 50172
- Nominal life-time up to 50,000 h
- 5-year guarantee

Typical applications

- Cove lighting, facade accent lighting, ceiling integration

Technical details

- 24 V, 100 W
- Small design (295 x 43 x 30 mm) with stretched-compact strain-relief
- Small cross section
- Push terminals for simple wiring
- 2 output channels (+/-) for more flexibility in the application

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 45° push terminals

System solution

- Tridonic LLE FLEX ADV 600, 1,200, 1,800 lm/m
 - Tridonic LLE FLEX EXC 600, 1,200, 1,800, 2,500 lm/m
 - In connection with Flex accessories wire to PCB plug
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

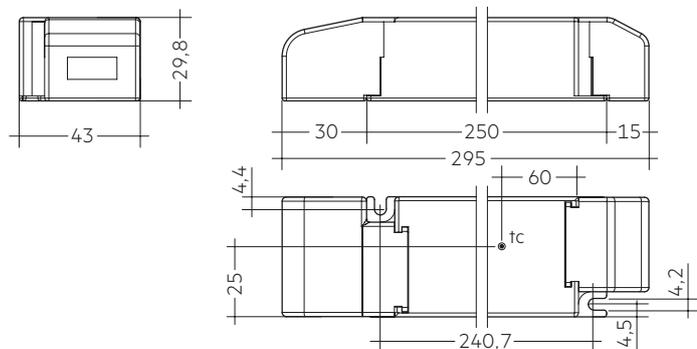
Product / function matrix, [page 30](#)



With strain-relief



System solution



Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, pallet	Weight per pc.
Multi packaging				
LCA 100W 24V one4all SC PRE	28001253	10 pc(s).	240 pc(s).	0.254 kg
Single packaging				
LCA 100W 24V one4all SC PRE SP	28001922	10 pc(s).	390 pc(s).	0.254 kg

¹⁾ The strain-relief is included in both packaging variants.
In the single packaging each Driver has also an individual packaging.

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	468 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level)	93 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 260 µA
Max. input power	111 W
Typ. efficiency (at 230 V, 50 Hz, full load)	93 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.99
Typ. power input on stand-by ²⁾	< 0.2 W
Typ. input current in no-load operation	40.4 mA
Typ. input power in no-load operation ²⁾	2.6 W
In-rush current (peak / duration)	43 A / 280 ms
THD (at 230 V, 50 Hz, full load) ¹⁾	< 5.7 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.35 s
Starting time (DC mode)	< 0.32 s
Switchover time (AC/DC)	< 0.3 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output voltage tolerance	± 1 V
Output LF voltage ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
PWM frequency	≥ 1 kHz
Dimming range	1–100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Dimensions L x W x H	295 x 43 x 29.8 mm

Specific technical data

Type	Load	Forward voltage	Output current	Max. output power (at 24 V, full load)	Typ. power consumption (at 24 V, full load)	Typ. current consumption (at 24 V, full load)	tc point max.	Ambient temperature ta
LCA 100W 24V one4all SC PRE	10 %	24 V	0.417 A	10 W	12.9 W	75 mA	65 °C	-25 ... +50 °C
	20 %	24 V	0.833 A	20 W	23.3 W	119 mA	65 °C	-25 ... +50 °C
	30 %	24 V	1.250 A	30 W	33.8 W	163 mA	65 °C	-25 ... +50 °C
	40 %	24 V	1.667 A	40 W	44.3 W	206 mA	65 °C	-25 ... +50 °C
	50 %	24 V	2.083 A	50 W	54.8 W	250 mA	65 °C	-25 ... +50 °C
	60 %	24 V	2.500 A	60 W	65.2 W	294 mA	70 °C	-25 ... +50 °C
	70 %	24 V	2.917 A	70 W	75.7 W	337 mA	70 °C	-25 ... +50 °C
	80 %	24 V	3.333 A	80 W	86.2 W	381 mA	75 °C	-25 ... +50 °C
	90 %	24 V	3.750 A	90 W	96.6 W	425 mA	75 °C	-25 ... +50 °C
	100 %	24 V	4.167 A	100 W	107.1 W	468 mA	75 °C	-25 ... +50 °C

¹⁾ Valid at 100 % dimming level.²⁾ Depending on the DALI traffic at the interface.



Driver LCA 100W 24V one4all Ip PRE
PREMIUM series

Product description

- Dimmable 24 V constant voltage LED Driver for flexible constant voltage stripes
- One4all interface and ready2mains enable different dimming options
- Dimming range 1-100 %
- No additional external dimmer is needed
- Suitable for emergency escape lighting systems acc. to EN 50172
- Nominal life-time up to 50,000 h
- 5-year guarantee

Typical applications

- Cove lighting, facade accent lighting, ceiling integration

Technical details

- 24 V, 100 W
- Small cross section
- Push terminals for simple wiring
- 2 output channels (+/-) for more flexibility in the application

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 45° push terminals

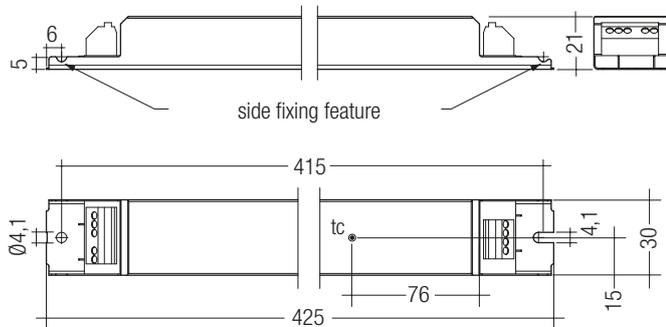
System solution

- Tridonic LLE FLEX ADV 600, 1,200, 1,800 lm/m
 - Tridonic LLE FLEX EXC 600, 1,200, 1,800, 2,500 lm/m
 - In connection with Flex accessories wire to PCB plug
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 30](#)



Ordering data

Type	Article number	Packaging, carton ¹⁾	Packaging, pallet	Weight per pc.
LCA 100W 24V one4all Ip PRE	28001436	15 pc(s).	540 pc(s).	0.329 kg

¹⁾ Each article is single packed. In the individual package is the driver and the strain-relief kits.

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	501 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level)	89 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 340 µA
Max. input power	110 W
Typ. efficiency (at 230 V, 50 Hz, full load)	93 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.99
Typ. power input on stand-by ²⁾	< 0.5 W
Typ. input current in no-load operation	54.8 mA
Typ. input power in no-load operation ²⁾	2.5 W
In-rush current (peak / duration)	46.6 A / 197 ms
THD (at 230 V, 50 Hz, full load) ¹⁾	< 5.7 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.64 s
Starting time (DC mode)	< 0.32 s
Switchover time (AC/DC)	< 0.32 s
Turn off time (at 230 V, 50 Hz, full load)	< 7 ms
Output voltage tolerance	± 1 V
Output LF voltage ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
PWM frequency	~ 1 kHz
Dimming range	1–100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Dimensions L x W x H	425 x 30 x 21 mm

Specific technical data

Type	Load	Forward voltage	Output current	Max. output power (at 24 V, full load)	Typ. power consumption (at 24 V, full load)	Typ. current consumption (at 24 V, full load)	tc point max.	Ambient temperature ta
LCA 100W 24V one4all Ip PRE	10 %	24 V	0.417 A	10 W	12.8 W	61 mA	80 °C	-25 ... +70 °C
	20 %	24 V	0.833 A	20 W	23.1 W	107 mA	80 °C	-25 ... +70 °C
	30 %	24 V	1.250 A	30 W	33.5 W	154 mA	80 °C	-25 ... +70 °C
	40 %	24 V	1.667 A	40 W	44.5 W	204 mA	80 °C	-25 ... +70 °C
	50 %	24 V	2.083 A	50 W	55.0 W	250 mA	80 °C	-25 ... +70 °C
	60 %	24 V	2.500 A	60 W	64.5 W	293 mA	80 °C	-25 ... +70 °C
	70 %	24 V	2.917 A	70 W	75.8 W	344 mA	75 °C	-25 ... +65 °C
	80 %	24 V	3.333 A	80 W	86.7 W	394 mA	75 °C	-25 ... +65 °C
	90 %	24 V	3.750 A	90 W	96.7 W	439 mA	75 °C	-25 ... +60 °C
	100 %	24 V	4.167 A	100 W	108.0 W	490 mA	75 °C	-25 ... +60 °C

¹⁾ Valid at 100 % dimming level.²⁾ Depending on the DALI traffic at the interface.



Driver LCA 150W 24V one4all SC PRE
PREMIUM series

Product description

- Dimmable 24 V constant voltage LED Driver for flexible constant voltage stripes
- One4all interface and ready2mains enable different dimming options
- Dimming range 1-100 %
- No additional external dimmer is needed
- Suitable for emergency escape lighting systems acc. to EN 50172
- Nominal life-time up to 50,000 h
- 5-year guarantee

Typical applications

- Cove lighting, facade accent lighting, ceiling integration

Technical details

- 24 V, 150 W
- Small design (325 x 43 x 30 mm) with stretched-compact strain-relief
- Small cross section
- Push terminals for simple wiring
- 2 output channels (+/-) for more flexibility in the application

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 45° push terminals

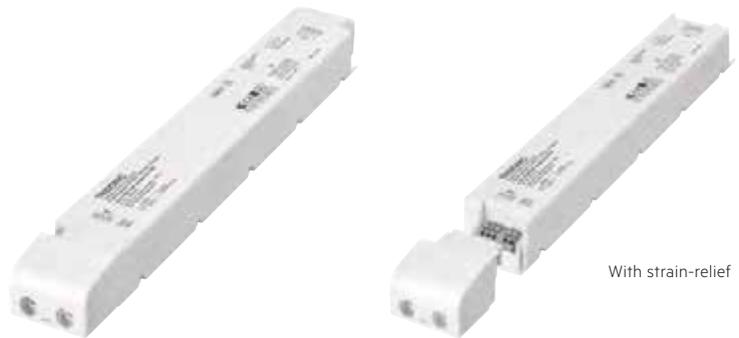
System solution

- Tridonic LLE FLEX ADV 600, 1,200, 1,800 lm/m
 - Tridonic LLE FLEX EXC 600, 1,200, 1,800, 2,500 lm/m
 - In connection with Flex accessories wire to PCB plug
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

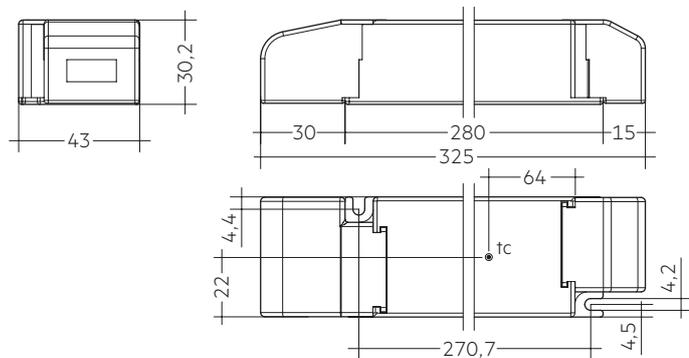
Product / function matrix, [page 30](#)



With strain-relief



System solution



Ordering data

Type	Article number	Packaging carton ¹⁾	Packaging pallet	Weight per pc.
Multi packaging				
LCA 150W 24V one4all SC PRE	28001437	10 pc(s).	240 pc(s).	0.298 kg
Single packaging				
LCA 150W 24V one4all SC PRE SP	28001923	10 pc(s).	390 pc(s).	0.298 kg

¹⁾ The strain-relief is included in both packaging variants.
In the single packaging each Driver has also an individual packaging.

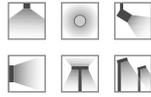
Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load) ¹⁾	710 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level)	129 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 320 µA
Max. input power	160 W
Typ. efficiency (at 230 V, 50 Hz, full load)	94 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.99
Typ. power input on stand-by ²⁾	< 0.44 W
Typ. input current in no-load operation	66.4 mA
Typ. input power in no-load operation ²⁾	2.5 W
In-rush current (peak / duration)	60.2 A / 195 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 4.3 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.63 s
Starting time (DC mode)	< 0.32 s
Switchover time (AC/DC)	< 0.32 s
Turn off time (at 230 V, 50 Hz, full load)	< 8 ms
Output voltage tolerance	± 1 V
Output LF voltage ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	60 V
PWM frequency	≥ 1 kHz
Dimming range	1–100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Dimensions L x W x H	325 x 43 x 29.8 mm

Specific technical data

Type	Load	Forward voltage	Output current	Max. output power (at 24 V, full load)	Typ. power consumption (at 24 V, full load)	Typ. current consumption (at 24 V, full load)	tc point max.	Ambient temperature ta
LCA 150W 24V one4all SC PRE	10 %	24 V	0.625 A	15 W	191 W	122 mA	80 °C	-25 ... +60 °C
	20 %	24 V	1.250 A	30 W	34.3 W	174 mA	80 °C	-25 ... +60 °C
	30 %	24 V	1.875 A	45 W	49.7 W	235 mA	80 °C	-25 ... +60 °C
	40 %	24 V	2.500 A	60 W	65.2 W	298 mA	85 °C	-25 ... +55 °C
	50 %	24 V	3.125 A	75 W	80.7 W	364 mA	85 °C	-25 ... +55 °C
	60 %	24 V	3.750 A	90 W	96.3 W	430 mA	85 °C	-25 ... +55 °C
	70 %	24 V	4.375 A	105 W	112.1 W	498 mA	90 °C	-25 ... +50 °C
	80 %	24 V	5.000 A	120 W	127.7 W	565 mA	90 °C	-25 ... +50 °C
	90 %	24 V	5.625 A	135 W	143.3 W	633 mA	90 °C	-25 ... +50 °C
	100 %	24 V	6.250 A	150 W	159.3 W	702 mA	90 °C	-25 ... +50 °C

¹⁾ Valid at 100 % dimming level.²⁾ Depending on the DALI traffic at the interface.



Driver LCU 35W 12/24V IP20 EXC
EXCITE indoor IP20 series

Product description

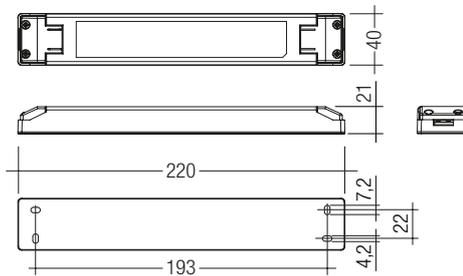
- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Push terminals for simple wiring
- Nominal life-time up to 50,000 h (at t_a 45 °C with a failure rate \leq 0.2 % per 1,000 h)
- 5-year guarantee
- Suitable for emergency escape lighting systems acc. to EN 50172
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

Properties

- Small design
 - High efficiency
 - Low power loss
 - Overtemperature and overload protection
 - Short-circuit shutdown feature with automatic restart
 - Protection class II, SELV
 - Type of protection IP20
 - Plastic casing white
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet



Technical data

Rated supply voltage	100 – 277 V
AC voltage range	90 – 305 V
DC voltage range	176 – 288 V
Rated current (at 230 V, 50 Hz, full load)	0.19 A
Mains frequency	0 / 50 / 60 Hz
Efficiency (at 230 V, 50 Hz, full load)	> 85 %
λ (at 230 V, 50 Hz, full load)	0.95
Output voltage tolerance 12 V	-0 / +10 %
Output voltage tolerance 24 V	-0 / +5 %
Output power ($t_a \leq$ 50 °C)	35 W
Output power ($t_a >$ 50 °C)	24.5 W
Output power range	3.5 – 35 W
Starting time (output)	\leq 0.5 s
Turn off time (output)	\leq 1 s
Hold on time at power failure (output)	10 ms
Mains surge capability (between L - N)	1 kV
Surge voltage at output side (against PE)	< 700 V
Ambient temperature t_a	-25 ... +60 °C
Ambient temperature t_a (at life-time 50,000 h) ¹⁾	-25 ... +45 °C
Storage temperature t_s	-40 ... +85 °C
Dimensions L x W x H	220 x 40 x 21 mm
Hole spacing D	193 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 35W 12V TOP SR	28000406	20 pc(s).	1,500 pc(s).	0.23 kg
LCU 35W 24V TOP SR	28000411	20 pc(s).	1,500 pc(s).	0.23 kg

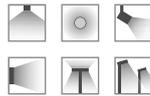
Specific technical data

Type	Output voltage	Max. input power ²⁾	Output current range	Max. output voltage ³⁾	Max. casing temperature t_c
LCU 35W 12V TOP SR	12 V	43 W	0.29 – 2.92 A	13.2 V	80 °C
LCU 35W 24V TOP SR	24 V	43 W	0.15 – 1.46 A	25.2 V	80 °C

¹⁾ For input voltage from 120 to 277 V AC (50 / 60 Hz) with 100 % load. For input voltage from 100 to 120 V AC (50 / 60 Hz) with 80 % load.

²⁾ For 230 V, 50 Hz.

³⁾ At failure mode (230 V, 50 Hz).



Driver LCU 60W 12/24V IP20 EXC

EXCITE indoor IP20 series

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Push terminals for simple wiring
- Nominal life-time up to 50,000 h (at t_a 45 °C with a failure rate \leq 0.2 % per 1,000 h)
- 5-year guarantee
- Suitable for emergency escape lighting systems acc. to EN 50172
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

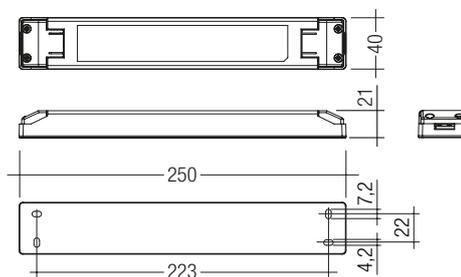
Properties

- Small design
- High efficiency
- Low power loss
- Overtemperature and overload protection
- Short-circuit shutdown feature with automatic restart
- Protection class II, SELV
- Type of protection IP20
- Plastic casing white

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet



Technical data

Rated supply voltage	100 – 277 V
AC voltage range	90 – 305 V
DC voltage range	176 – 288 V
Rated current (at 230 V, 50 Hz, full load)	0.32 A
Mains frequency	0 / 50 / 60 Hz
Efficiency (at 230 V, 50 Hz, full load)	> 85 %
λ (at 230 V, 50 Hz, full load)	0.95
Output voltage tolerance 12 V	-0 / +10 %
Output voltage tolerance 24 V	-0 / +5 %
Output power ($t_a \leq$ 50 °C)	60 W
Output power ($t_a >$ 50 °C)	42 W
Output power range	4.8 – 60 W
Starting time (output)	\leq 0.5 s
Turn off time (output)	\leq 1 s
Hold on time at power failure (output)	10 ms
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	1 kV
Surge voltage at output side (against PE)	< 500 V
Ambient temperature t_a	-25 ... +60 °C
Ambient temperature t_a (at life-time 50,000 h) ¹⁾	-25 ... +45 °C
Storage temperature t_s	-40 ... +85 °C
Dimensions L x W x H	250 x 40 x 21 mm
Hole spacing D	223 mm

Ordering data

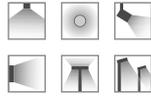
Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 60W 12V TOP SR	28000407	20 pc(s).	1,500 pc(s).	0.29 kg
LCU 60W 24V TOP SR	28000412	20 pc(s).	1,500 pc(s).	0.28 kg

Specific technical data

Type	Output voltage	Max. input power	Output current range	Max. output voltage ²⁾	Max. casing temperature t_c
LCU 60W 12V TOP SR	12 V	74 W	0.4 – 5.0 A	13.2 V	85 °C
LCU 60W 24V TOP SR	24 V	74 W	0.2 – 2.5 A	25.2 V	85 °C

¹⁾ For input voltage from 120 to 277 V AC (50 / 60 Hz) with 100 % load. For input voltage from 100 to 120 V AC (50 / 60 Hz) with 80 % load.

²⁾ At failure mode (230 V, 50 Hz).



Driver LCU 100/96W 12/24V IP20 EXC
EXCITE indoor IP20 series

Product description

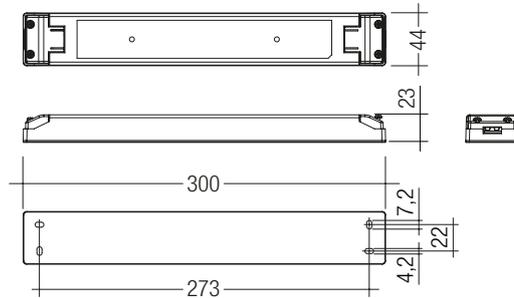
- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Push terminals for simple wiring
- Nominal life-time up to 50,000 h (at ta 45 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee
- Suitable for emergency escape lighting systems acc. to EN 50172
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

Properties

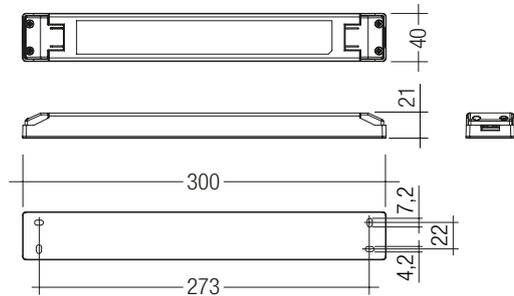
- Small design
 - High efficiency
 - Low power loss
 - Overtemperature and overload protection
 - Short-circuit shutdown feature with automatic restart
 - Protection class II, SELV
 - Type of protection IP20
 - Plastic casing white
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet



LCU 100W 12V SR TOP



LCU 96W 24V SR TOP

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 10W 12V TOP SR	28000408	20 pc(s).	1,000 pc(s).	0.46 kg
LCU 96W 24V TOP SR	28000413	20 pc(s).	1,000 pc(s).	0.34 kg

Technical data

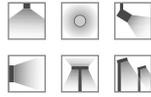
Rated supply voltage	120 – 277 V
AC voltage range	108 – 305 V
DC voltage range	176 – 288 V
Rated current 12 V (at 230 V, 50 Hz, full load)	0.51 A
Rated current 24 V (at 230 V, 50 Hz, full load)	0.49 A
Mains frequency	0 / 50 / 60 Hz
Efficiency (at 230 V, 50 Hz, full load)	> 90 %
λ (at 230 V, 50 Hz, full load)	0.95
Output voltage tolerance 12 V	-0 / +10 %
Output voltage tolerance 24 V	-0 / +5 %
Output power 12 V ($t_a \leq 60$ °C)	100 W
Output power 12 V ($t_a > 60$ °C)	70 W
Output power 24 V ($t_a \leq 50$ °C)	96 W
Output power 24 V ($t_a > 50$ °C)	67 W
Output power range 12 V	10 – 100 W
Output power range 24 V	10 – 96 W
Starting time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	1 kV
Surge voltage at output side (against PE)	< 500 V
Ambient temperature t_a (12 V)	-25 ... +70 °C
Ambient temperature t_a (24 V)	-25 ... +60 °C
Ambient temperature t_a (at life-time 50,000 h) ¹⁾	-25 ... +45 °C
Storage temperature t_s	-40 ... +85 °C
Dimensions L x W x H for 12 V	300 x 44 x 23 mm
Hole spacing D	273 mm

Specific technical data

Type	Output voltage	Max. input power	Output current range	Max. output voltage ²⁾	Max. casing temperature t_c
LCU 10W 12V TOP SR	12 V	117 W	0.83 – 8.33 A	13.2 V	85 °C
LCU 96W 24V TOP SR	24 V	117 W	0.40 – 4.00 A	25.2 V	85 °C

¹⁾ For input voltage from 120 to 277 V AC (50 / 60 Hz) with 100 % load. For input voltage from 100 to 120 V AC (50 / 60 Hz) with 80 % load.

²⁾ At failure mode (230 V, 50 Hz).



Driver LCU 180W 24V IP20 EXC
EXCITE indoor IP20 series

Product description

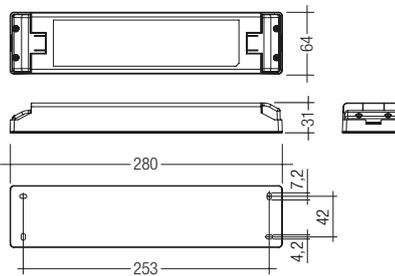
- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Push terminals for simple wiring
- Nominal life-time up to 50,000 h (at t_a 45 °C with a failure rate \leq 0.2 % per 1,000 h)
- 5-year guarantee
- Suitable for emergency escape lighting systems acc. to EN 50172
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

Properties

- Small design
 - High efficiency
 - Low power loss
 - Overtemperature and overload protection
 - Short-circuit shutdown feature with automatic restart
 - Protection class II, SELV
 - Type of protection IP20
 - Plastic casing white
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet



Technical data

Rated supply voltage	120 – 277 V
AC voltage range	108 – 305 V
DC voltage range	176 – 288 V
Rated current (at 230 V, 50 Hz, full load)	0.92 A
Mains frequency	0 / 50 / 60 Hz
Efficiency (at 230 V, 50 Hz, full load)	> 90 %
λ (at 230 V, 50 Hz, full load)	0.95
Output voltage tolerance	-0 ... +5 %
Output power ($t_a \leq$ 50 °C)	180 W
Output power ($t_a >$ 50 °C)	126 W
Output power range	18 – 180 W
Starting time (output)	\leq 0.5 s
Turn off time (output)	\leq 1 s
Hold on time at power failure (output)	10 ms
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	1 kV
Surge voltage at output side (against PE)	< 500 V
Ambient temperature t_a	-25 ... +60 °C
Ambient temperature t_a (at life-time 50,000 h) ¹⁾	-25 ... +45 °C
Storage temperature t_s	-40 ... +85 °C
Dimensions L x W x H	280 x 64 x 31 mm
Hole spacing D	253 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 180W 24V TOP SR	28000414	10 pc(s).	400 pc(s).	0.85 kg

Specific technical data

Type	Output voltage	Max. input power	Output current range	Max. output voltage ²⁾	Max. casing temperature t_c
LCU 180W 24V TOP SR	24 V	211 W	0.75 – 7.5 A	25.2 V	90 °C

¹⁾ For input voltage from 120 to 277 V AC (50 / 60 Hz) with 100 % load. For input voltage from 100 to 120 V AC (50 / 60 Hz) with 80 % load.

²⁾ At failure mode (230 V, 50 Hz).

**Driver LCBU 10W 12V BASIC phase-cut SR**

ADVANCED series

Product description

- Dimmable via leading-edge and trailing-edge phase dimmers
- Nominal life-time of 50,000 h (at max ta 50 °C with a failure rate $\leq 0.2\%$ per 1,000 h)
- 12 V DC output voltage
- Screw terminals
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Output power 10 W
- SELV
- Type of protection IP20
- Dimming range typ. 5–100% (depending on dimmer)

Properties

- Casing: polycarbonate, white
- Compact dimensions

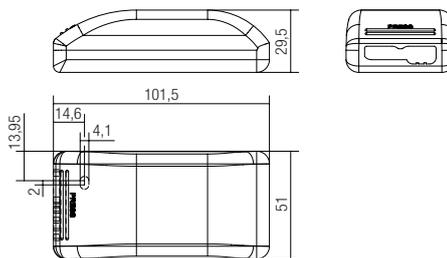
Functions

- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

**Technical data**

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.06 A
Typical ripple voltage at full load	$\pm 7\%$
Power factor at full load ¹⁾	0.9
Power factor at min. load ¹⁾	0.7
Starting time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	50 °C
Max. casing temperature tc	75 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	102 x 51 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCBU 10W 12V BASIC phase-cut SR	89800289	20 pc(s).	1,000 pc(s).	0.065 kg

Specific technical data

Type	Output current	Efficiency at full load ¹⁾	Efficiency at min. load ¹⁾	Output voltage DC	Max. output voltage DC	Max. input power	Output power
LCBU 10W 12V BASIC phase-cut SR	0.83 A	77 %	65 %	11 – 15 V	15 V	13 W	3 – 10 W

¹⁾ Test result at 230 V, 50 Hz.



Driver LCBU 25W 12V BASIC phase-cut SR
ADVANCED series

Product description

- Dimmable via leading-edge and trailing-edge phase dimmers
- Nominal life-time of 50,000 h (at max ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 12 V DC output voltage
- Screw terminals
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Output power 25 W
- SELV
- Type of protection IP20
- Dimming range typ. 5–100 % (depending on dimmer)

Properties

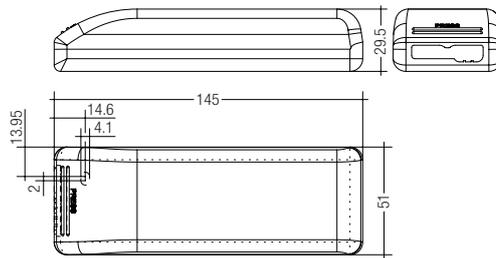
- Casing: polycarbonate, white
- Compact dimensions

Functions

- Overload protection
 - Short-circuit protection
 - No-load protection
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet



Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.135 A
Power factor at full load ¹⁾	0.97
Power factor at min. load ¹⁾	0.75C
Typical ripple current at full load	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	50 °C
Max. casing temperature tc	75 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	145 x 51 x 29.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCBU 25W 12V BASIC phase-cut SR	89800290	10 pc(s).	600 pc(s).	0.117 kg

Specific technical data

Type	Output current	Efficiency at full load ¹⁾	Efficiency at min. load ¹⁾	Output voltage DC	Max. output voltage DC	Max. input power	Output power
LCBU 25W 12V BASIC phase-cut SR	2,1 A	83 %	77 %	11 – 15 V	15 V	30 W	10 – 25 W

¹⁾ Test result at 230 V, 50 Hz.



NEW

Driver LC 100/24V Ip ADV UNV
ADVANCED series (UL certified)

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Max. output power 96 W
- Efficiency > 87 %
- Class 2
- UL Listed Class P
- FCC 15 Class B
- Nominal life-time up to 50,000 h (at ta 40 °C)
- 5-year guarantee

Housing properties

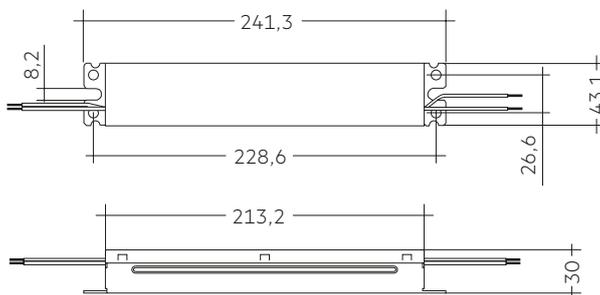
- Casing: metal, black
- Potted style
- Dry and damp location

Properties

- Protective features (over-temperature, short-circuit, overload, no-load)
 - Linear and rugged form factor
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet



Technical data

Rated supply voltage	120 – 277 V
AC voltage range	108 – 305 V
Rated current (at 120 V, 60 Hz)	0,92 A
Rated current (at 277 V, 60 Hz)	0,41 A
Leakage current (at 120 V, 60 Hz, full load)	< 500 µA
Leakage current (at 277 V, 60 Hz, full load)	< 500 µA
Mains frequency	50 / 60 Hz
Efficiency (at 120 V, 60 Hz)	> 87 %
Efficiency (at 277 V, 60 Hz)	> 88 %
λ (at 120 V, 60 Hz)	0,97
λ (at 277 V, 60 Hz)	0,92C
Output voltage tolerance	22,8 – 24 V
Max. output power	96 W
Output power range	62 – 96 W
Output LF current ripple (< 120 Hz, P-P)	375 mV
Starting time (output)	≤ 1 s
Turn off time (output)	≤ 0,1 s
Hold on time at power failure (Output)	0 s
Mains burst capability (between L - N)	2 kV
Mains surge capability (between L - N)	4 kV
Ambient temperature ta	-40 ... +55 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature	-40 ... +85 °C
Dimensions LxWxH	241,3 x 43,1 x 30 mm
Hole spacing D	228,6 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 100/24V Ip ADV UNV	28002133	10 pc(s).	1,280 pc(s).	0,634 kg

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power at 120 V, 60 Hz	Output current range	Max. output voltage ¹⁾
LC 100/24V Ip ADV UNV	85 °C	24 V	109 W	2,58 – 4,00 A	24 V

¹⁾ At failure mode.



Driver LC 60W 24V SC SNC
ESSENCE series

Product description

- Constant voltage LED Driver
- Output voltage 24 V
- Max. output power 60 W
- Dimmable via PWM LED dimmers
- Nominal life-time up to 50,000 h
- 5-year guarantee

Typical application

- Cove lighting, facade accent lighting, ceiling integration

Technical details

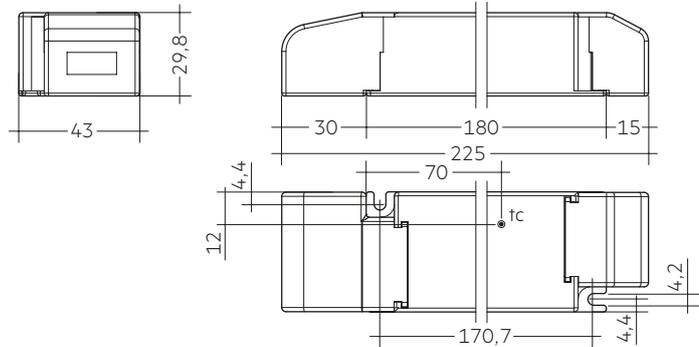
- 24 V, 60 W
- Small design (225 x 43 x 30 mm) with stretched-compact strain-relief
- Very good THD performance in wide load range < 5 %
- Output LF current ripple (< 120 Hz) ± 5 % (tested with Tridonic LLE FLEX ADV G2 and LLE FLEX EXC)
- Small cross section
- Push terminal for simple wiring

System solution

- Tridonic LLE FLEX ADV G2 600; 1,200; 1,800 lm/m
- Tridonic LLE FLEX EXC 600; 1,200; 1,800; 2,500 lm/m
- In connection with Flex accessories wire to PCB plug
→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet



Ordering data

Type	Article number	Packaging, carton ²⁾	Packaging, low volume	Packaging, high volume	Weight per pc.
Multi packaging					
LC 60W 24V SC SNC	87500665	10 pc(s).	120 pc(s).	1,200 pc(s).	0.18 kg
Single packaging					
LC 60W 24V SC SNC SP	87500667	10 pc(s).	80 pc(s).	880 pc(s).	0.18 kg

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ¹⁾	291 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 267 µA
Overvoltage protection	320 V, 48 h
Max. input power	67 W
Typ. efficiency (at 230 V / 50 Hz / full load)	92 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.98
Typ. input current in no-load operation	47 mA
Typ. input power in no-load operation	1.5 W
In-rush current (peak / duration)	27.7 A / 198 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 5 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	< 0.5 s
Hold on time at power failure (output)	0 s
Output voltage tolerance	± 1 V
Output LF voltage ripple (< 120 Hz)	± 1.5 %
Max. output voltage (no-load voltage)	25 V
Burst capability	1 kV
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Dimensions L x W x H	225 x 43 x 29.8 mm

Specific technical data

Type	Load	Forward voltage	Output current	Max. output power (at 24 V, full load)	Typ. power consumption (at 24 V, full load)	Typ. current consumption (at 24 V, full load)	Max. casing temperature tc	Ambient temperature ta max.
LC 60W 24V SC SNC	30 %	24 V	0.750 A	18 W	20.6 W	109 mA	75 °C	-20 ... +50 °C
	55 %	24 V	1.375 A	33 W	36.6 W	171 mA	80 °C	-20 ... +50 °C
	80 %	24 V	2.000 A	48 W	52.5 W	237 mA	80 °C	-20 ... +50 °C
	100 %	24 V	2.500 A	60 W	66.0 W	292 mA	85 °C	-20 ... +50 °C

¹⁾ Valid at 100 % dimming level.

²⁾ The strain-relief is included in both packaging variants. In the single packaging each Driver has also an individual packaging.



Driver LC 60W 24V Ip SNC

ESSENCE series

Product description

- Constant voltage LED Driver
- Output voltage 24 V
- Max. output power 60 W
- Dimmable via PWM LED dimmers
- Nominal life-time up to 50,000 h
- 5-year guarantee

Typical application

- Cove lighting, facade accent lighting, ceiling integration

Technical details

- 24 V, 60 W
- Very good THD performance in wide load range < 5 %
- Output LF current ripple (< 120 Hz) $\pm 5\%$ (tested with Tridonic LLE FLEX ADV G2 and LLE FLEX EXC)
- Small cross section
- Push terminal for simple wiring

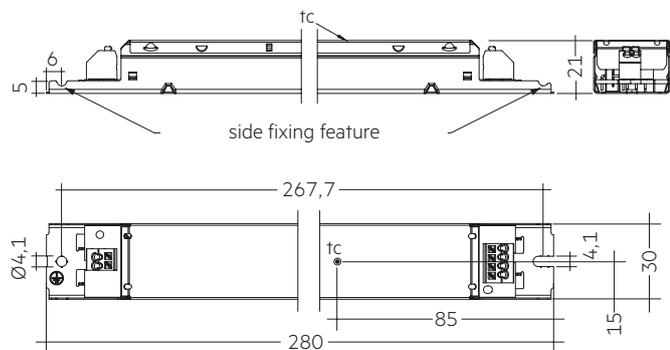
System solution

- Tridonic LLE FLEX ADV G2 600; 1,200; 1,800 lm/m
- Tridonic LLE FLEX EXC 600; 1,200; 1,800; 2,500 lm/m
- In connection with Flex accessories wire to PCB plug

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ¹⁾	296 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 267 μ A
Overvoltage protection	320 V, 48 h
Max. input power	68 W
Typ. efficiency (at 230 V / 50 Hz / full load)	90,6 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0,98
Typ. input current in no-load operation	44,4 mA
Typ. input power in no-load operation ²⁾	1,3 W
In-rush current (peak / duration)	27,7 A / 198 μ s
THD (at 230 V, 50 Hz, full load) ¹⁾	< 5 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0,5 s
Turn off time (at 230 V, 50 Hz, full load)	< 0,5 s
Hold on time at power failure (output)	0 s
Output voltage tolerance	± 1 V
Output LF voltage ripple (< 120 Hz)	$\pm 1,5\%$
Max. output voltage (no-load voltage)	25 V
Burst capability	1 kV
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Dimensions L x W x H	280 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 60W 24V Ip SNC	87500669	50 pc(s).	900 pc(s).	2,700 pc(s).	0.456 kg

Specific technical data

Type	Load	Forward voltage	Output current	Max. output power (at 24 V, full load)	Typ. power consumption (at 24 V, full load)	Typ. current consumption (at 24 V, full load)	Max. casing temperature t_c	Ambient temperature t_a max.
LC 60W 24V Ip SNC	30 %	24 V	0.750 A	18 W	21.3 W	111 mA	70 °C	-20 ... +50 °C
	55 %	24 V	1.375 A	33 W	37.4 W	174 mA	70 °C	-20 ... +50 °C
	80 %	24 V	2.000 A	48 W	53.5 W	241 mA	75 °C	-20 ... +50 °C
	100 %	24 V	2.500 A	60 W	66.5 W	296 mA	75 °C	-20 ... +50 °C

¹⁾ Valid at 100 % dimming level.



Driver LC 100W 24V SC SNC
ESSENCE series

Product description

- Constant voltage LED Driver
- Output voltage 24 V
- Max. output power 100 W
- Dimmable via PWM LED dimmers
- Nominal life-time up to 50,000 h
- 5-year guarantee

Typical application

- Cove lighting, facade accent lighting, ceiling integration

Technical details

- 24 V, 100 W
- Small design (295 x 43 x 30 mm) with stretched-compact strain-relief
- Very good THD performance in wide load range < 5 %
- Output LF current ripple (< 120 Hz) ± 5 % (tested with Tridonic LLE FLEX ADV G2 and LLE FLEX EXC)
- Small cross section
- Push terminal for simple wiring

System solution

- Tridonic LLE FLEX ADV G2 600, 1,200, 1,800 lm/m
 - Tridonic LLE FLEX EXC 600, 1,200, 1,800, 2,500 lm/m
 - In connection with Flex accessories wire to PCB plug
- For product data sheet go to www.tridonic.com, or available on request



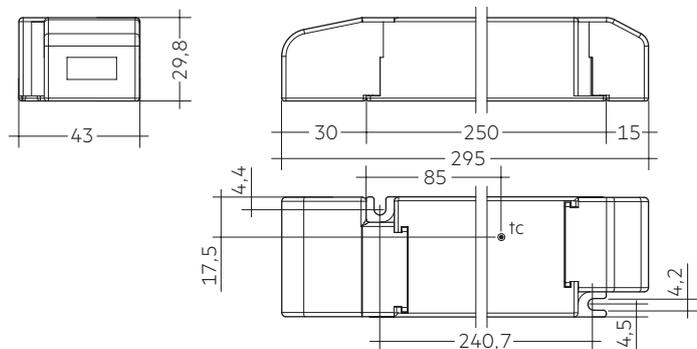
For standards see data sheet



With strain-relief



System solution



Ordering data

Type	Article number	Packaging, carton ²⁾	Packaging, low volume	Packaging, high volume	Weight per pc.
Multi packaging					
LC 100W 24V SC SNC	87500666	10 pc(s).	80 pc(s).	800 pc(s).	0.227 kg
Single packaging					
LC 100W 24V SC SNC SP	87500668	10 pc(s).	80 pc(s).	800 pc(s).	0.227 kg

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ¹⁾	486 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 219 μ A
Overvoltage protection	320 V, 48 h
Max. input power	113 W
Typ. efficiency (at 230 V / 50 Hz / full load)	92 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.98
Typ. input current in no-load operation	63 mA
Typ. input power in no-load operation	1.8 W
In-rush current (peak / duration)	40 A / 186 μ s
THD (at 230 V, 50 Hz, full load) ¹⁾	< 4 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	< 0.5 s
Hold on time at power failure (output)	0 s
Output voltage tolerance	\pm 1 V
Output LF voltage ripple (< 120 Hz)	\pm 1.5 %
Max. output voltage (no-load voltage)	25 V
Dimming range	0.1 – 100 %
Burst capability	1 kV
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Dimensions L x W x H	295 x 43 x 29.8 mm

Specific technical data

Type	Load	Forward voltage	Output current	Max. output power (at 24 V, full load)	Typ. power consumption (at 24 V, full load)	Typ. current consumption (at 24 V, full load)	Max. casing temperature t_c	Ambient temperature t_a max.
LC 100W 24V SC SNC	30 %	24 V	1.250 A	30 W	33.6 W	166 mA	75 °C	-20 ... +50 °C
	40 %	24 V	1.667 A	40 W	44.0 W	207 mA	75 °C	-20 ... +50 °C
	50 %	24 V	2.083 A	50 W	54.5 W	250 mA	80 °C	-20 ... +50 °C
	60 %	24 V	2.500 A	60 W	65.2 W	295 mA	80 °C	-20 ... +50 °C
	70 %	24 V	2.917 A	70 W	75.9 W	340 mA	85 °C	-20 ... +50 °C
	80 %	24 V	3.333 A	80 W	86.7 W	385 mA	85 °C	-20 ... +50 °C
	90 %	24 V	3.750 A	90 W	97.6 W	432 mA	90 °C	-20 ... +50 °C
	100 %	24 V	4.167 A	100 W	108.5 W	478 mA	90 °C	-20 ... +45 °C

¹⁾ Valid at 100 % dimming level.

²⁾ The strain-relief is included in both packaging variants. In the single packaging each Driver has also an individual packaging.



Driver LC 100W 24V Ip SNC

ESSENCE series

Product description

- Constant voltage LED Driver
- Output voltage 24 V
- Max. output power 100 W
- Dimmable via PWM LED dimmers
- Nominal life-time up to 50,000 h
- 5-year guarantee

Typical application

- Cove lighting, facade accent lighting, ceiling integration

Technical details

- 24 V, 100 W
- Very good THD performance in wide load range < 5 %
- Output LF current ripple (< 120 Hz) $\pm 5\%$ (tested with Tridonic LLE FLEX ADV G2 and LLE FLEX EXC)
- Small cross section
- Push terminal for simple wiring

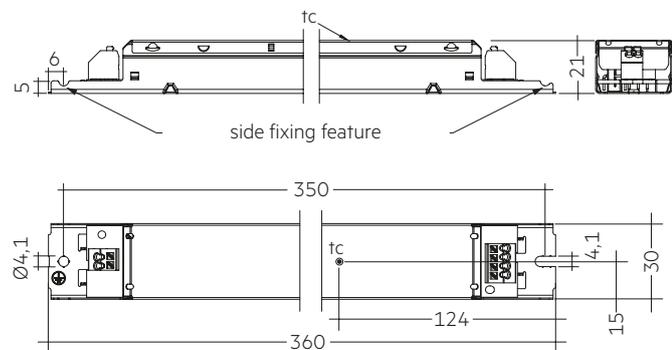
System solution

- Tridonic LLE FLEX ADV G2 600; 1,200; 1,800 lm/m
- Tridonic LLE FLEX EXC 600; 1,200; 1,800; 2,500 lm/m
- In connection with Flex accessories wire to PCB plug

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ¹⁾	486 mA
Leakage current (at 230 V, 50 Hz, full load) ¹⁾	< 219 μ A
Overvoltage protection	320 V, 48 h
Max. input power	113 W
Typ. efficiency (at 230 V / 50 Hz / full load)	90.8 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.98
Typ. input current in no-load operation	63 mA
Typ. input power in no-load operation ²⁾	18 W
In-rush current (peak / duration)	40 A / 186 μ s
THD (at 230 V, 50 Hz, full load) ¹⁾	< 5 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	< 0.5 s
Hold on time at power failure (output)	0 s
Output voltage tolerance	± 1 V
Output LF voltage ripple (< 120 Hz)	$\pm 1.5\%$
Max. output voltage (no-load voltage)	25 V
Burst capability	1 kV
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Dimensions L x W x H	360 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 100W 24V Ip SNC	87500670	50 pc(s).	650 pc(s).	1,950 pc(s).	0.246 kg

Specific technical data

Type	Load	Forward voltage	Output current	Max. output power (at 24 V, full load)	Typ. power consumption (at 24 V, full load)	Typ. current consumption (at 24 V, full load)	Max. casing temperature t_c	Ambient temperature t_a max.
LC 100W 24V Ip SNC	30 %	24 V	1.250 A	30 W	34.5 W	169 mA	75 °C	-20 ... +50 °C
	40 %	24 V	1.667 A	40 W	45.1 W	211 mA	75 °C	-20 ... +50 °C
	50 %	24 V	2.083 A	50 W	55.7 W	255 mA	75 °C	-20 ... +50 °C
	60 %	24 V	2.500 A	60 W	66.4 W	300 mA	80 °C	-20 ... +50 °C
	70 %	24 V	2.917 A	70 W	77.3 W	345 mA	80 °C	-20 ... +50 °C
	80 %	24 V	3.333 A	80 W	88.2 W	392 mA	80 °C	-20 ... +50 °C
	90 %	24 V	3.750 A	90 W	99.1 W	439 mA	90 °C	-20 ... +50 °C
	100 %	24 V	4.167 A	100 W	110.2 W	486 mA	90 °C	-20 ... +50 °C

¹⁾ Valid at 100 % dimming level.



Driver LCU 150W 12V indoor IP20

LCU indoor IP20 series

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Nominal life-time up to 50,000 h (at t_a 40 °C with a failure rate \leq 0.2 % per 1,000 h)
- 5-year guarantee
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

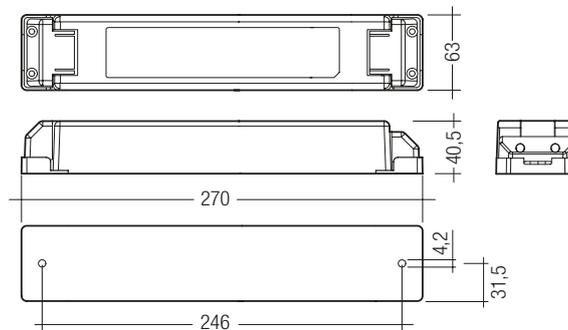
Properties

- High efficiency
- Low power loss
- Overtemperature and overload protection
- Short-circuit shutdown feature with automatic restart
- Protection class II, SELV
- Type of protection IP20
- Plastic casing white

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet



Technical data

Rated supply voltage	120 – 240 V
AC voltage range	108 – 264 V
Rated current (at 230 V, 50 Hz)	1.75 A
Mains frequency	0 / 50 / 60 Hz
Efficiency	> 88 %
λ (at 230 V, 50 Hz)	0.95
Output voltage tolerance	+ 10 %
Output power	150 W
Output power range	20 – 150 W
Starting time (output)	\leq 0.5 s
Turn off time (output)	\leq 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature t_a	-25 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	-25 ... +40 °C
Storage temperature t_s	-30 ... +85 °C
Dimensions L x W x H	270 x 63 x 40.5 mm
Hole spacing D	246 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 150/12 E020	24166332	20 pc(s).	640 pc(s).	0.8 kg

Specific technical data

Type	Output voltage	Max. input power	Output current range	Max. output voltage ¹⁾	Max. casing temperature t_c
LCU 150/12 E020	12 V	176 W	1.25 – 12.5 A	13.2 V	80 °C

¹⁾ At failure mode (230 V, 50 Hz).

**Driver LCU 48V 75W DC-STR FO SR**

Fixed output

Product description

- Independent fixed output DC-String constant voltage LED Driver
- Compatible with other DC-String components
- Max. output power 75 W
- Up to 92 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Housing properties

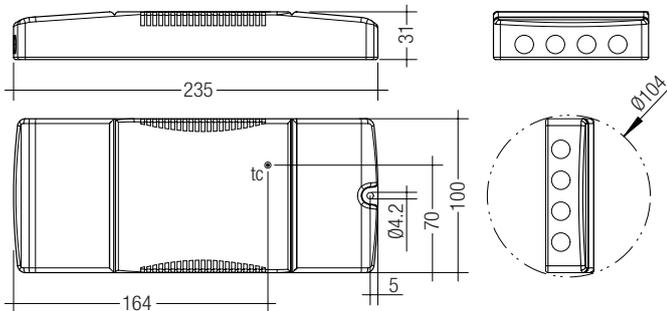
- Casing: polycarbonate, white
- Type of protection IP20

Functions

- DC-String compatible
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection

→ For product data sheet go to www.tridonic.com,

or available on request

**Ordering data**

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 48V 75W DC-STR FO SR	28001232	10 pc(s).	300 pc(s).	0.346 kg

We recommend using following LMI LED Drivers together with this LCU DC power supply:

Type	Article number	Packaging, box	Packaging, carton (cont. 10 boxes)	Packaging, pallet	Weight per pc.
LMI G2 48V 350-700mA 3-20V FO Slim	28000730	5 pc(s).	50 pc(s).	3,000 pc(s).	0.013 kg
LMI G2 48V 700-1050mA 3-20V FO Slim	28001582	5 pc(s).	50 pc(s).	3,000 pc(s).	0.016 kg
LMI 48V 350-700mA 20-42V FO Regular	28000728	5 pc(s).	50 pc(s).	3,000 pc(s).	0.016 kg
LMI 48V 350-700mA 20-42V FO Slim	28000947	5 pc(s).	50 pc(s).	3,000 pc(s).	0.016 kg

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	359 mA
Typ. current (220 V, 0 Hz, full load)	371 mA
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Max. input power	81 W
Typ. efficiency (at 230 V, 50 Hz, full load)	92 %
λ (at 230 V, 50 Hz, full load)	0.99
Typ. input current in no-load operation	51 mA
Typ. input power in no-load operation	2.4 W
In-rush current (peak / duration)	50.2 A / 131 µs
THD (at 230 V, 50 Hz, full load)	< 4 %
Output voltage tolerance	-1 ... +8 %
Output LF current ripple (< 120 Hz)	± 1 %
Max. output voltage (no-load voltage)	52.5 V
Max. cable length secondary	See data sheet section 3.5
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 450 V
Ambient temperature t_a	-25 ... +55 °C
Max. casing temperature t_c	70 °C
Dimensions L x W x H	235 x 100 x 31 mm



For standards see data sheet



Driver LCU 48V 75W DC-STR FO Ip
Fixed output

Product description

- Fixed output DC-String constant voltage built-in LED Driver
- Compatible with other DC-String components
- Max. output power 75 W
- Up to 92 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- 5-year guarantee

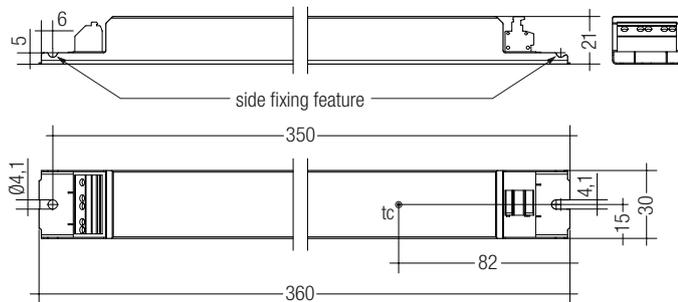
Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Functions

- DC-String compatible
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection

→ For product data sheet go to www.tridonic.com,
or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	358 mA
Typ. current (220 V, 0 Hz, full load)	375 mA
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Max. input power	82 W
Typ. efficiency (at 230 V, 50 Hz, full load)	91.5 %
λ (at 230 V, 50 Hz, full load)	0.99
Typ. input current in no-load operation	51 mA
Typ. input power in no-load operation	2.4 W
In-rush current (peak / duration)	28.8 A / 217 µs
THD (at 230 V, 50 Hz, full load)	< 5 %
Output voltage tolerance	-1 ... +9.5 %
Output LF current ripple (< 120 Hz)	± 2 %
Max. output voltage (no-load voltage)	52.5 V
Max. cable length secondary	See data sheet section 3.5
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 450 V
Ambient temperature ta	-25 ... +55 °C
Max. casing temperature tc	80 °C
Dimensions L x W x H	360 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 48V 75W DC-STR FO Ip	28000816	10 pc(s).	760 pc(s).	0.274 kg

We recommended using following LMI LED Drivers together with this LCU DC power supply:

Type	Article number	Packaging, box	Packaging, carton (cont. 10 boxes)	Packaging, pallet	Weight per pc.
LMI G2 48V 350-700mA 3-20V FO Slim	28000730	5 pc(s).	50 pc(s).	3,000 pc(s).	0.013 kg
LMI G2 48V 700-1050mA 3-20V FO Slim	28001582	5 pc(s).	50 pc(s).	3,000 pc(s).	0.016 kg
LMI 48V 350-700mA 20-42V FO Regular	28000728	5 pc(s).	50 pc(s).	3,000 pc(s).	0.016 kg
LMI 48V 350-700mA 20-42V FO Slim	28000947	5 pc(s).	50 pc(s).	3,000 pc(s).	0.016 kg



For standards see data sheet



Driver LCU 48V 150W DC-STR FO SR

Fixed output

Product description

- Independent fixed output DC-String constant voltage LED Driver
- Compatible with other DC-String components
- Max. output power 150 W
- Up to 93 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Housing properties

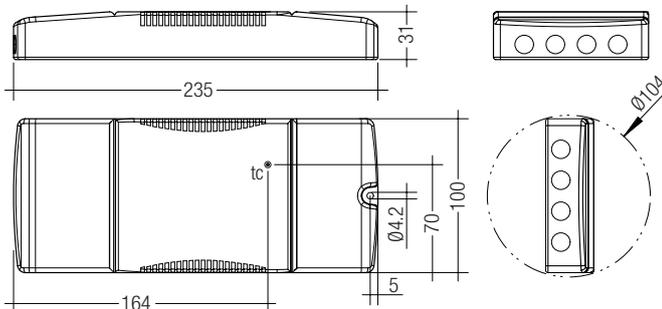
- Casing: polycarbonate, white
- Type of protection IP20

Functions

- DC-String compatible
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection

→ For product data sheet go to www.tridonic.com,

or available on request



Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 48V 150W DC-STR FO SR	28001045	10 pc(s).	300 pc(s).	0.365 kg

We recommend using following LMI LED Drivers

together with this LCU DC power supply:

Type	Article number	Packaging, box	Packaging, carton (cont. 10 boxes)	Packaging, pallet	Weight per pc.
LMI G2 48V 350-700mA 3-20V FO Slim	28000730	5 pc(s).	50 pc(s).	3,000 pc(s).	0.013 kg
LMI G2 48V 700-1050mA 3-20V FO Slim	28001582	5 pc(s).	50 pc(s).	3,000 pc(s).	0.016 kg
LMI 48V 350-700mA 20-42V FO Regular	28000728	5 pc(s).	50 pc(s).	3,000 pc(s).	0.016 kg
LMI 48V 350-700mA 20-42V FO Slim	28000947	5 pc(s).	50 pc(s).	3,000 pc(s).	0.016 kg

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	707 mA
Typ. current (220 V, 0 Hz, full load)	735 mA
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Max. input power	162 W
Typ. efficiency (at 230 V, 50 Hz, full load)	93 %
λ (at 230 V, 50 Hz, full load)	0.99
Typ. input current in no-load operation	51 mA
Typ. input power in no-load operation	2.4 W
In-rush current (peak / duration)	67.1 A / 173.2 µs
THD (at 230 V, 50 Hz, full load)	< 5 %
Output voltage tolerance	-1 ... +7 %
Output LF current ripple (< 120 Hz)	± 1 %
Max. output voltage (no-load voltage)	51.3 V
Max. cable length secondary	See data sheet section 3.5
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 450 V
Ambient temperature t_a	-25 ... +55 °C
Max. casing temperature t_c	80 °C
Dimensions L x W x H	235 x 100 x 31 mm



For standards see data sheet



Driver LCU 48V 150W DC-STR FO Ip

Fixed output

Product description

- Fixed output DC-String constant voltage built-in LED Driver
- Compatible with other DC-String components
- Max. output power 150 W
- Up to 93 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Functions

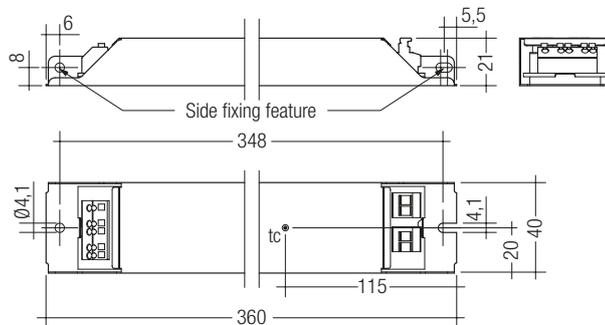
- DC-String compatible
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection

→ For product data sheet go to www.tridonic.com,

or available on request

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	708 mA
Typ. current (220 V, 0 Hz, full load)	735 mA
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Max. input power	162 W
Typ. efficiency (at 230 V, 50 Hz, full load)	93 %
λ (at 230 V, 50 Hz, full load)	0.99
Typ. input current in no-load operation	56 mA
Typ. input power in no-load operation	2.4 W
In-rush current (peak / duration)	57.7 A / 202 µs
THD (at 230 V, 50 Hz, full load)	< 5 %
Output voltage tolerance	-1 ... +8 %
Output LF current ripple (< 120 Hz)	± 2 %
Max. output voltage (no-load voltage)	51.8 V
Max. cable length secondary	See data sheet section 3.5
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 450 V
Ambient temperature t_a	-25 ... +50 °C
Max. casing temperature t_c	80 °C
Dimensions L x W x H	360 x 30 x 21 mm



Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 48V 150W DC-STR FO Ip	28001234	20 pc(s).	600 pc(s).	0.34 kg

We recommend using following LMI LED Drivers together with this LCU DC power supply:

Type	Article number	Packaging, box	Packaging, carton (cont 10 boxes)	Packaging, pallet	Weight per pc.
LMI G2 48V 350-700mA 3-20V FO Slim	28000730	5 pc(s).	50 pc(s).	3,000 pc(s).	0.013 kg
LMI G2 48V 700-1050mA 3-20V FO Slim	28001582	5 pc(s).	50 pc(s).	3,000 pc(s).	0.016 kg
LMI 48V 350-700mA 20-42V FO Regular	28000728	5 pc(s).	50 pc(s).	3,000 pc(s).	0.016 kg
LMI 48V 350-700mA 20-42V FO Slim	28000947	5 pc(s).	50 pc(s).	3,000 pc(s).	0.016 kg



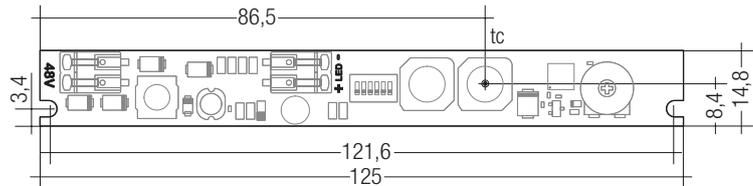
For standards see data sheet



LMI G2 48V 350-700mA 3-20V FO Slim
Fixed output

Product description

- Dimmable via potentiometer
- Up to 89 % efficiency
- Output voltage range 3 – 20 V
- Adjustable output current between 350 and 700 mA via DIP switch
- Output current tolerance $\pm 5\%$
- Max. tp point temperature 105 °C
- 5-year guarantee



Housing properties

- Pure PCB for built-in application

Interfaces

- Terminal blocks: 0° push terminals
- Potentiometer equipped

Functions

- Adjustable output current
- Protective features (short-circuit, no-load)

Benefits

- Application-oriented operating window
 - Small dimensions for miniaturization of luminaires
 - Same form factor as DALI variant for easy design-in
- For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Technical data

DC voltage input	48 V
DC voltage range	46 – 50 V
Max. input power	16 W
Typ. efficiency (full load) ¹⁾	89 %
Typ. input current in no-load operation	0 mA
Typ. input power in no-load operation	0 W
Starting time (full load)	< 0,6 s
Hold on time at power failure	< 5 ms
Output current tolerance ²⁾	$\pm 5\%$
Max. peak output current	\leq output current + 30 %
Output LF current ripple	Same as LF ripple on 48 V bus
Max. output voltage (no-load voltage)	48 V
Surge voltage at output side (against PE)	Same as on 48 V bus
Max. tc point temperature	105 °C
Dimensions L x W x H	125 x 14,8 x 12,5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LMI G2 48V 350-700mA 3-20V FO Slim	28000730	5 pc(s).	3,000 pc(s).	0.013 kg

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage	Max. output power (at 48 V, full load)	Typ. power consumption (at 48 V, full load)	Typ. current consumption (at 48 V, full load)
LMI G2 48V 350-700mA 3-20V FO slim	350 mA	3 V	20 V	7 W	7,9 W	165 mA
	400 mA	3 V	20 V	8 W	9,0 W	187 mA
	450 mA	3 V	20 V	9 W	10,1 W	210 mA
	500 mA	3 V	20 V	10 W	11,1 W	232 mA
	550 mA	3 V	20 V	11 W	12,2 W	154 mA
	600 mA	3 V	20 V	12 W	13,4 W	280 mA
	650 mA	3 V	20 V	13 W	14,3 W	298 mA
	700 mA	3 V	20 V	14 W	15,6 W	325 mA



LMI G2 48V 700–1050mA 3–20V FO Slim

Fixed output

Product description

- Dimmable via potentiometer
- Up to 89 % efficiency
- Output voltage range 3 – 20 V
- Adjustable output current between 700 and 1,050 mA via DIP switch
- Output current tolerance $\pm 5\%$
- Max. tp point temperature 100 °C
- 5-year guarantee

Housing properties

- Pure PCB for built-in application

Interfaces

- Terminal blocks: 0° push terminals
- Potentiometer equipped

Functions

- Adjustable output current
- Protective features (short-circuit, no-load)

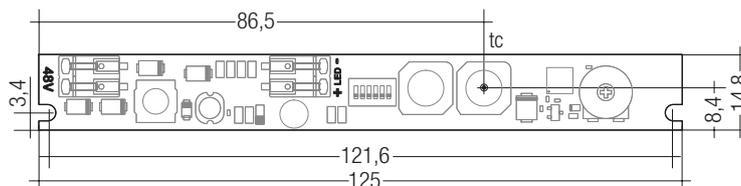
Benefits

- Application-oriented operating window
- Small dimensions for miniaturization of luminaires
- Same form factor as DALI variant for easy design-in

→ For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet



Technical data

DC voltage input	48 V
DC voltage range	46 – 50 V
Max. input power	23.5 W
Typ. efficiency (full load) ¹⁾	89.5 %
Typ. input current in no-load operation	10 mA
Typ. input power in no-load operation	< 0.5 W
Starting time (full load)	< 0.6 s
Hold on time at power failure	< 5 ms
Output current tolerance ²⁾	$\pm 5\%$
Max. peak output current	\leq output current + 30 %
Output LF current ripple	Same as LF ripple on 48 V bus
Max. output voltage (no-load voltage)	48 V
Surge voltage at output side (against PE)	Same as on 48 V bus
ESD classification	Severity level 2
Max. tc point temperature	100 °C
Dimensions L x W x H	125 x 14.8 x 12.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LMI G2 48V 700–1050mA 3–20V FO Slim	28001582	5 pc(s).	3,000 pc(s).	0.016 kg

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage	Max. output power (at 48 V, full load)	Typ. power consumption (at 48 V, full load)	Typ. current consumption (at 48 V, full load)
LMI G2 48V 700–1050mA 3–20V FO slim	700 mA	2.5 V	20 V	14 W	15.1 W	315 mA
	750 mA	2.5 V	20 V	15 W	16.2 W	338 mA
	800 mA	2.5 V	20 V	16 W	17.4 W	363 mA
	850 mA	2.5 V	20 V	17 W	18.4 W	383 mA
	900 mA	2.5 V	20 V	18 W	19.6 W	409 mA
	950 mA	2.5 V	20 V	19 W	20.9 W	436 mA
	1,000 mA	2.5 V	20 V	20 W	22.1 W	461 mA
	1,050 mA	2.5 V	20 V	21 W	23.5 W	491 mA



LMI 48V 350–700mA 20–42V FO Regular

Fixed output

Product description

- Dimmable via potentiometer
- Up to 93 % efficiency
- Output voltage range 20 – 42 V
- Adjustable output current between 350 and 700 mA via DIP switch
- Output current tolerance $\pm 8\%$
- Max. tc point temperature 120 °C
- 5-year guarantee

Housing properties

- Pure PCB for built-in application

Interfaces

- Terminal blocks: 0° push terminals
- External potentiometer can be equipped via clamp

Functions

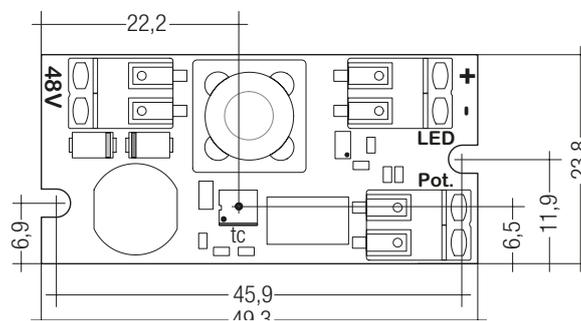
- Adjustable output current
- Protective features (short-circuit, no-load)

Benefits

- Application-oriented operating window
 - Small dimensions for miniaturization of luminaires
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet



Technical data

DC voltage input	48 V
DC voltage range	46 – 50 V
Max. input power	32 W
Typ. efficiency (full load) ¹⁾	93 %
Typ. input current in no-load operation	2.8 mA
Typ. input power in no-load operation	0.135 W
Starting time (full load)	< 0.6 s
Hold on time at power failure	< 5 ms
Output current tolerance ²⁾	$\pm 8\%$
Max. peak output current	\leq output current + 20 %
Output LF current ripple	Same as LF ripple on 48 V bus
Max. output voltage (no-load voltage)	50 V
Surge voltage at output side (against PE)	Same as on 48 V bus
Max. tc point temperature	120 °C
Dimensions L x W x H	49.3 x 23.8 x 12.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LMI 48V 350–700mA 20–42V FO Regular	28000728	5 pc(s).	3,000 pc(s).	0.013 kg

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage	Max. output power (at 48 V, full load)	Typ. power consumption (at 48 V, full load)	Typ. current consumption (at 48 V, full load)
LMI 48V 350-700mA 20-42V FO	350 mA	20 V	42 V	14.7 W	15.6 W	325 mA
	400 mA	20 V	42 V	16.8 W	17.9 W	372 mA
	450 mA	20 V	42 V	18.9 W	20.1 W	420 mA
	500 mA	20 V	42 V	21.0 W	22.4 W	467 mA
	550 mA	20 V	42 V	23.1 W	24.7 W	515 mA
	600 mA	20 V	42 V	25.2 W	27.0 W	563 mA
	650 mA	20 V	42 V	27.3 W	29.4 W	612 mA
	700 mA	20 V	42 V	29.4 W	31.7 W	660 mA



LMI 48V 350–700mA 20–42V FO Slim

Fixed output

Product description

- Dimmable via potentiometer
- Up to 93 % efficiency
- Output voltage range 20 – 42 V
- Adjustable output current between 350 and 700 mA via DIP switch
- Output current tolerance $\pm 8\%$
- Max. tc point temperature 115 °C
- 5-year guarantee

Housing properties

- Pure PCB for built-in application

Interfaces

- Terminal blocks: 0° push terminals
- Potentiometer equipped

Functions

- Adjustable output current
- Protective features (short-circuit, no-load)

Benefits

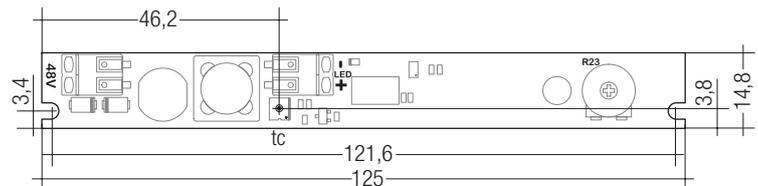
- Application-oriented operating window
- Small dimensions for miniaturization of luminaires
- Same form factor as DALI variant for easy design-in

→ For product data sheet go to www.tridonic.com,

or available on request



For standards see data sheet



Technical data

DC voltage input	48 V
DC voltage range	46 – 50 V
Max. input power	32 W
Typ. efficiency (full load) ¹⁾	93 %
Typ. input current in no-load operation	2.8 mA
Typ. input power in no-load operation	0.135 W
Starting time (full load)	< 0.6 s
Hold on time at power failure	< 5 ms
Output current tolerance ²⁾	$\pm 8\%$
Max. peak output current	\leq output current + 20 %
Output LF current ripple	Same as LF ripple on 48 V bus
Max. output voltage (no-load voltage)	50 V
Surge voltage at output side (against PE)	Same as on 48 V bus
Max. tc point temperature	115 °C
Dimensions L x W x H	125 x 14.8 x 12.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LMI 48V 350–700mA 20–42V FO Slim	28000947	5 pc(s).	3,000 pc(s).	0.016 kg

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage	Max. output power (at 48 V, full load)	Typ. power consumption (at 48 V, full load)	Typ. current consumption (at 48 V, full load)
LMI 48V 350-700mA 20-42V FO Slim	350 mA	20 V	42 V	14.7 W	15.6 W	325 mA
	400 mA	20 V	42 V	16.8 W	17.9 W	372 mA
	450 mA	20 V	42 V	18.9 W	20.1 W	420 mA
	500 mA	20 V	42 V	21.0 W	22.4 W	467 mA
	550 mA	20 V	42 V	23.1 W	24.7 W	515 mA
	600 mA	20 V	42 V	25.2 W	27.0 W	563 mA
	650 mA	20 V	42 V	27.3 W	29.4 W	612 mA
	700 mA	20 V	42 V	29.4 W	31.7 W	660 mA

IP20 SELV    
 ENEC    



Driver LCU 48V 75W DC-STR DIM SR

Dimming

Product description

- Independent dimmable DC-String constant voltage LED Driver
- Compatible with other DC-String components
- Integrated DALI to DC powerline communication bridge (PLC)
- one4all interface (CorridorFUNCTION, switchDIM, DALI, DSI)
- Max. output power 75 W
- Up to 91 % efficiency
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

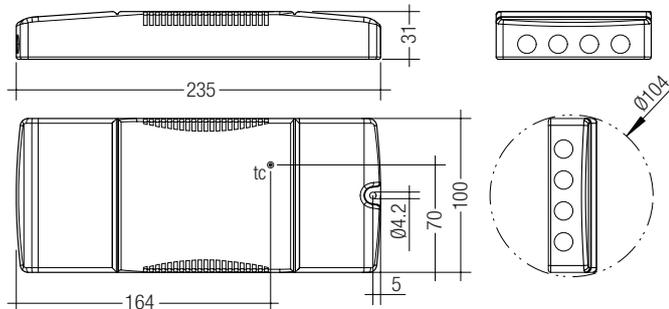
Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- DC-String compatible
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection

→ For product data sheet go to www.tridonic.com,
 or available on request



Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
Driver LCU 48V 75W DC-STR DIM SR	28001233	10 pc(s).	300 pc(s).	0.349 kg

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	359 mA
Typ. current (220 V, 0 Hz, full load)	378 mA
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Max. input power	82 W
Typ. efficiency (at 230 V, 50 Hz, full load)	91 %
λ (at 230 V, 50 Hz, full load)	0.99
Typ. input current in no-load operation	30.3 mA
Typ. input power in no-load operation	2.5 W
In-rush current (peak / duration)	54.6 A / 149 µs
THD (at 230 V, 50 Hz, full load)	< 5 %
Output voltage tolerance	-1 ... +5 %
Output LF current ripple (< 120 Hz)	± 1 %
Max. output voltage (no-load voltage)	50.5 V
Max. cable length secondary	See data sheet section 3.5
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 450 V
Ambient temperature t_a	-25 ... +55 °C
Max. casing temperature t_c	70 °C
Dimensions L x W x H	235 x 100 x 31 mm

We recommend using following LMI LED Drivers

together with this LCU DC power supply:

Type	Article number	Packaging, box	Packaging, carton (cont. 10 boxes)	Packaging, pallet	Weight per pc.
LMI G2 48V 350-700mA 3-20V DIM slim	28000731	5 pc(s).	50 pc(s).	3,000 pc(s).	0.013 kg
LMI G2 48V 700-1050mA 3-20V DIM slim	28001583	5 pc(s).	50 pc(s).	3,000 pc(s).	0.016 kg
LMI G2 48V 350-700mA 20-42V DIM regular	28001584	5 pc(s).	50 pc(s).	3,000 pc(s).	0.012 kg
LMI G2 48V 350-700mA 20-42V DIM slim	28001585	5 pc(s).	50 pc(s).	3,000 pc(s).	0.013 kg



For standards see data sheet



Driver LCU 48V 75W DC-STR DIM Ip
Dimming

Product description

- Dimmable DC-String constant voltage built-in LED Driver
- Compatible with other DC-String components
- Integrated DALI to DC powerline communication bridge (PLC)
- one4all interface (corridorFUNCTION, switchDIM, DALI, DSI)
- Max. output power 75 W
- Up to 91 % efficiency
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

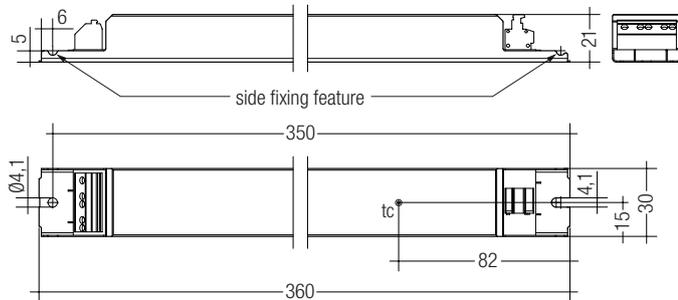
Functions

- DC-String compatible
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection

→ For product data sheet go to www.tridonic.com,
or available on request

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	360 mA
Typ. current (220 V, 0 Hz, full load)	380 mA
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Max. input power	82 W
Typ. efficiency (at 230 V, 50 Hz, full load)	91 %
λ (at 230 V, 50 Hz, full load)	0.99
Typ. input current in no-load operation	30.3 mA
Typ. input power in no-load operation	2.5 W
In-rush current (peak / duration)	28.8 A / 217 µs
THD (at 230 V, 50 Hz, full load)	< 5 %
Output voltage tolerance	-1 ... +5 %
Output LF current ripple (< 120 Hz)	± 2 %
Max. output voltage (no-load voltage)	50.5 V
Max. cable length secondary	See data sheet section 3.5
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 450 V
Ambient temperature t_a	-25 ... +55 °C
Max. casing temperature t_c	80 °C
Dimensions L x W x H	360 x 30 x 21 mm



Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
Driver LCU 48V 75W DC-STR DIM Ip	28000815	10 pc(s).	760 pc(s).	0.28 kg

We recommended using following LMI LED Drivers together with this LCU DC power supply:

Type	Article number	Packaging, box	Packaging, carton (cont. 10 boxes)	Packaging, pallet	Weight per pc.
LMI G2 48V 350-700mA 3-20V DIM slim	28000731	5 pc(s).	50 pc(s).	3,000 pc(s).	0.013 kg
LMI G2 48V 700-1050mA 3-20V DIM slim	28001583	5 pc(s).	50 pc(s).	3,000 pc(s).	0.016 kg
LMI G2 48V 350-700mA 20-42V DIM regular	28001584	5 pc(s).	50 pc(s).	3,000 pc(s).	0.012 kg
LMI G2 48V 350-700mA 20-42V DIM slim	28001585	5 pc(s).	50 pc(s).	3,000 pc(s).	0.013 kg



For standards see data sheet



Driver LCU 48V 150W DC-STR DIM SR

Dimming

Product description

- Independent dimmable DC-String constant voltage LED Driver
- Compatible with other DC-String components
- Integrated DALI to DC powerline communication bridge (PLC)
- one4all interface (CorridorFUNCTION, switchDIM, DALI, DSI)
- Max. output power 150 W
- Up to 93 % efficiency
- For luminaires of protection class I and protection class II
- Nominal life-time up to 50,000 h
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

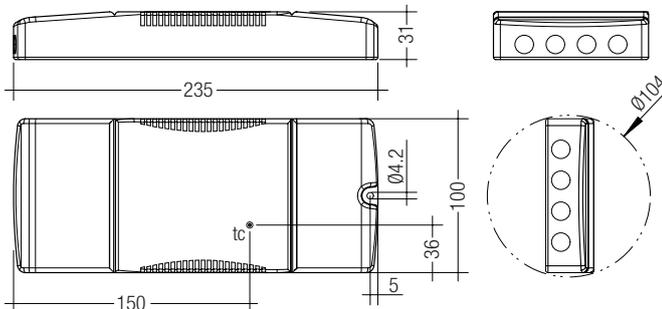
Functions

- DC-String compatible
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection

→ For product data sheet go to www.tridonic.com,
or available on request

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	710 mA
Typ. current (220 V, 0 Hz, full load)	740 mA
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Max. input power	162 W
Typ. efficiency (at 230 V, 50 Hz, full load)	92.9 %
λ (at 230 V, 50 Hz, full load)	0.99
Typ. input current in no-load operation	56.3 mA
Typ. input power in no-load operation	4.3 W
In-rush current (peak / duration)	671 A / 173 µs
THD (at 230 V, 50 Hz, full load)	< 5 %
Output voltage tolerance	-1 ... +5 %
Output LF current ripple (< 120 Hz)	± 1 %
Max. output voltage (no-load voltage)	50.5 V
Max. cable length secondary	See data sheet section 3.5
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 450 V
Ambient temperature t_a	-25 ... +50 °C
Max. casing temperature t_c	80 °C
Dimensions L x W x H	235 x 100 x 31 mm



Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
Driver LCU 48V 150W DC-STR DIM SR	28001044	10 pc(s).	300 pc(s).	0.369 kg

We recommend using following LMI LED Drivers

together with this LCU DC power supply:

Type	Article number	Packaging, box	Packaging, carton (cont. 10 boxes)	Packaging, pallet	Weight per pc.
LMI G2 48V 350-700mA 3-20V DIM slim	28000731	5 pc(s).	50 pc(s).	3,000 pc(s).	0.013 kg
LMI G2 48V 700-1050mA 3-20V DIM slim	28001583	5 pc(s).	50 pc(s).	3,000 pc(s).	0.016 kg
LMI G2 48V 350-700mA 20-42V DIM regular	28001584	5 pc(s).	50 pc(s).	3,000 pc(s).	0.012 kg
LMI G2 48V 350-700mA 20-42V DIM slim	28001585	5 pc(s).	50 pc(s).	3,000 pc(s).	0.013 kg



For standards see data sheet



Driver LCU 48V 150W DC-STR DIM Ip
Dimming

Product description

- Dimmable DC-String constant voltage built-in LED Driver
- Compatible with other DC-String components
- Integrated DALI to DC powerline communication bridge (PLC)
- one4all interface (corridorFUNCTION, switchDIM, DALI, DSI)
- Max. output power 150 W
- Up to 92.5 % efficiency
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Nominal life-time up to 50,000 h
- 5-year guarantee

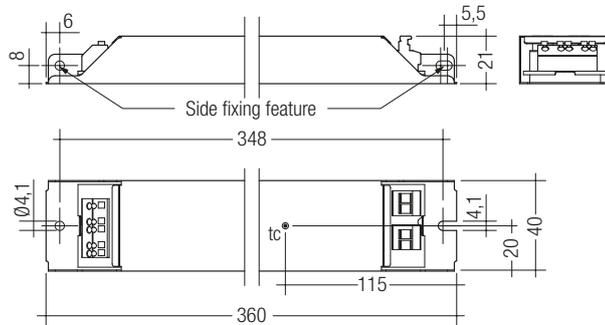
Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Functions

- DC-String compatible
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection

→ For product data sheet go to www.tridonic.com,
or available on request



Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	710 mA
Typ. current (220 V, 0 Hz, full load)	740 mA
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Max. input power	162 W
Typ. efficiency (at 230 V, 50 Hz, full load)	92.5 %
λ (at 230 V, 50 Hz, full load)	0,99
Typ. input current in no-load operation	59,6 mA
Typ. input power in no-load operation	3,6 W
In-rush current (peak / duration)	57,7 A / 202 µs
THD (at 230 V, 50 Hz, full load)	< 5 %
Output voltage tolerance	-1 ... +5 %
Output LF current ripple (< 120 Hz)	± 2 %
Max. output voltage (no-load voltage)	50,5 V
Max. cable length secondary	See data sheet section 3.5
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 450 V
Ambient temperature ta	-25 ... +50 °C
Max. casing temperature tc	80 °C
Dimensions L x W x H	360 x 40 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 48V 150W DC-STR DIM Ip	28001235	20 pc(s).	600 pc(s).	0,576 kg

We recommended using following LMI LED Drivers together with this LCU DC power supply:

Type	Article number	Packaging, box	Packaging, carton (cont. 10 boxes)	Packaging, pallet	Weight per pc.
LMI G2 48V 350-700mA 3-20V DIM slim	28000731	5 pc(s).	50 pc(s).	3,000 pc(s).	0,013 kg
LMI G2 48V 700-1050mA 3-20V DIM slim	28001583	5 pc(s).	50 pc(s).	3,000 pc(s).	0,016 kg
LMI G2 48V 350-700mA 20-42V DIM regular	28001584	5 pc(s).	50 pc(s).	3,000 pc(s).	0,012 kg
LMI G2 48V 350-700mA 20-42V DIM slim	28001585	5 pc(s).	50 pc(s).	3,000 pc(s).	0,013 kg



For standards see data sheet



LMI G2 48V 350-700mA 3-20V DIM Slim

Dimming

Product description

- DALI dimmable
- Up to 89 % efficiency
- Output voltage range 3 – 20 V
- Adjustable output current between 350 and 700 mA
- Pure AM dimming down to 5 %
- Max. tc point temperature 110 °C
- 5-year guarantee

Housing properties

- Pure PCB for built-in application

Interfaces

- DALI V2 - DT 6
- Terminal blocks: 0° push terminals

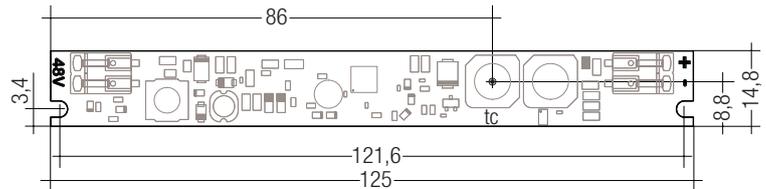
Functions

- Adjustable output current
- Protective features (short-circuit, no-load)

Benefits

- Application-oriented operating window
- Small dimensions for miniaturization of luminaires

→ For product data sheet go to www.tridonic.com,
or available on request



Technical data

DC voltage input	48 V
DC voltage range	46 – 50 V
Mains frequency	0 Hz
Typ. current (full load) ¹⁾	328 – 700 mA
Max. input power	16 W
Typ. efficiency (full load) ^{1) 2)}	89 %
Typ. input current in no-load operation	8 mA
Typ. input power in no-load operation	< 0.4 W
Starting time (full load)	< 0.6 s
Hold on time at power failure	< 5 ms
Output current tolerance ¹⁾	± 5 %
Output current tolerance (at min. dimming level)	± 10 %
Max. peak output current	≤ output current + 30 %
Output LF current ripple	Same as LF ripple on 48 V bus
Dimming range	5–100 %
Max. tc point temperature	110 °C
Dimensions L x W x H	125 x 14.8 x 12.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LMI G2 48V 350-700mA 3-20V DIM Slim	28000731	5 pc(s).	3,000 pc(s).	0.013 kg

¹⁾ Depending on the selected output current.

²⁾ Valid at 100 % dimming level.

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage	Max. output power (at 48 V, full load)	Typ. power consumption (at 48 V, full load)	Typ. current consumption (at 48 V, full load)
LMI G2 48V 350-700mA 3-20V DIM slim	350 mA	3 V	20 V	7 W	8.2 W	170 mA
	400 mA	3 V	20 V	8 W	9.2 W	170 mA
	450 mA	3 V	20 V	9 W	10.3 W	170 mA
	500 mA	3 V	20 V	10 W	11.4 W	170 mA
	550 mA	3 V	20 V	11 W	12.4 W	170 mA
	600 mA	3 V	20 V	12 W	13.4 W	170 mA
	650 mA	3 V	20 V	13 W	14.5 W	170 mA
	700 mA	3 V	20 V	14 W	15.7 W	170 mA



LMI G2 48V 350–700mA 20–42V DIM Regular

Dimming

Product description

- DALI dimmable
- Up to 93.5 % efficiency
- Output voltage range 20 – 42 V
- Adjustable output current between 350 and 700 mA
- Pure AM dimming down to 5 %
- Max. tc point temperature 105 °C
- 5-year guarantee

Housing properties

- Pure PCB for built-in application

Interfaces

- DALI V2 - DT 6
- Terminal blocks: 0° push terminals

Functions

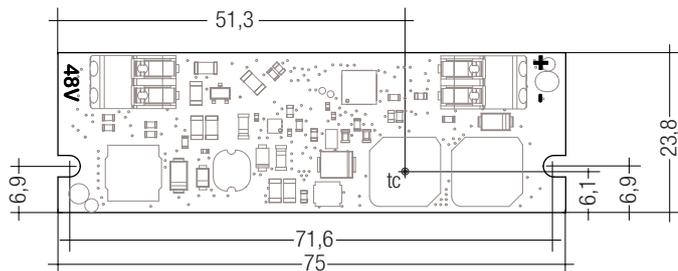
- Adjustable output current
- Protective features (overtemperature, short-circuit, no-load)

Benefits

- Application-oriented operating window
 - Small dimensions for miniaturization of luminaires
 - No additional wires needed; DALI signals via the powerline
- For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet



Technical data

DC voltage input	48 V
DC voltage range	46 – 50 V
Mains frequency	0 Hz
Typ. current (full load) ¹⁾	170 – 645 mA
Max. input power	314 W
Typ. efficiency (full load) ¹⁾²⁾	93.5 %
Typ. input current in no-load operation	13.5 mA
Typ. input power in no-load operation	< 0.4 W
Starting time (full load)	< 0.6 s
Hold on time at power failure	< 5 ms
Output current tolerance ¹⁾	± 3 %
Output current tolerance (at min. dimming level)	± 7.5 %
Max. peak output current	± output current + 30 %
Output LF current ripple	Same as LF ripple on 48 V bus
Max. output voltage (no-load voltage)	48 V
Dimming range	5 – 100 %
ESD classification	Severity level 2
Max. tc point temperature	105 °C
Dimensions L x W x H	75 x 23.8 x 8.4 mm

Ordering data

Type	Article number	Packaging box	Packaging carton	Packaging pallet	Weight per pc.
LMI G2 48V 350-700mA 20-42V DIM	28001584	5 pc(s).	50 pc(s).	3,000 pc(s).	0.012 kg

¹⁾ Depending on the selected output current.

²⁾ Valid at 100 % dimming level.

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage	Max. output power (at 48 V, full load)	Typ. power consumption (at 48 V, full load)	Typ. current consumption (at 48 V, full load)
LMI G2 48V 350-700mA 20-42V DIM	350 mA	20 V	42 V	14.7 W	15.9 W	325 mA
	400 mA	20 V	42 V	16.8 W	18.0 W	369 mA
	450 mA	20 V	42 V	18.9 W	20.2 W	413 mA
	500 mA	20 V	42 V	21.0 W	22.4 W	457 mA
	550 mA	20 V	42 V	23.1 W	24.5 W	501 mA
	600 mA	20 V	42 V	25.2 W	26.7 W	546 mA
	650 mA	20 V	42 V	27.3 W	28.9 W	592 mA
	700 mA	20 V	42 V	29.4 W	31.4 W	644 mA



LMI G2 48V 350-700mA 20-42V DIM Slim

Dimming

Product description

- DALI dimmable
- Up to 93.5 % efficiency
- Output voltage range 20 – 42 V
- Adjustable output current between 350 and 700 mA
- Pure AM dimming down to 5 %
- Max. tc point temperature 105 °C
- 5-year guarantee

Housing properties

- Pure PCB for built-in application

Interfaces

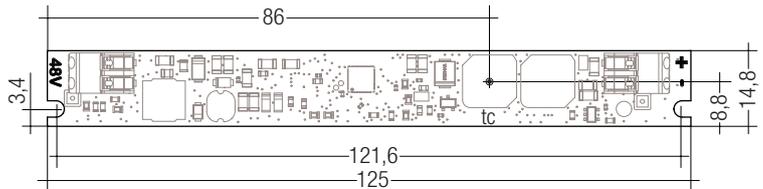
- DALI V2 - DT 6
- Terminal blocks: 0° push terminals

Functions

- Adjustable output current
- Protective features (overtemperature, short-circuit, no-load)

Benefits

- Application-oriented operating window
 - Small dimensions for miniaturization of luminaires
 - No additional wires needed; DALI signals via the powerline
- For product data sheet go to www.tridonic.com,
or available on request



Technical data

DC voltage input	48 V
DC voltage range	46 – 50 V
Mains frequency	0 Hz
Typ. current (full load) ¹⁾	170 – 645 mA
Max. input power	31.4 W
Typ. efficiency (full load) ^{1) 2)}	93.5 %
Typ. input current in no-load operation	13.5 mA
Typ. input power in no-load operation	< 0.4 W
Starting time (full load)	< 0.6 s
Hold on time at power failure	< 5 ms
Output current tolerance ¹	± 3 %
Output current tolerance (at min. dimming level)	± 7.5 %
Max. peak output current	≤ output current + 30 %
Output LF current ripple	Same as LF ripple on 48 V bus
Max. output voltage (no-load voltage)	48 V
Dimming range	5-100 %
ESD classification	Severity level 2
Max. tc point temperature	105 °C
Dimensions L x W x H	125 x 14.8 x 12.5 mm

Ordering data

Type	Article number	Packaging, box	Packaging, carton	Packaging, pallet	Weight per pc.
LMI G2 48V 350-700mA 20-42V DIM Slim	28001585	5 pc(s).	50 pc(s).	3,000 pc(s).	0.016 kg

¹⁾ Depending on the selected output current.

²⁾ Valid at 100 % dimming level.

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage	Max. output power (at 48 V, full load)	Typ. power consumption (at 48 V, full load)	Typ. current consumption (at 48 V, full load)
LMI G2 48V 350-700mA 20-42V DIM Slim	350 mA	20 V	42 V	14.7 W	15.9 W	325 mA
	400 mA	20 V	42 V	16.8 W	18.0 W	369 mA
	450 mA	20 V	42 V	18.9 W	20.2 W	413 mA
	500 mA	20 V	42 V	21.0 W	22.4 W	457 mA
	550 mA	20 V	42 V	23.1 W	24.5 W	501 mA
	600 mA	20 V	42 V	25.2 W	26.7 W	546 mA
	650 mA	20 V	42 V	27.3 W	28.9 W	592 mA
	700 mA	20 V	42 V	29.4 W	31.4 W	644 mA



LMI G2 48V 700–1050mA 3–20V DIM Slim

Dimming

Product description

- DALI dimmable
- Up to 90 % efficiency
- Output voltage range 3 – 20 V
- Adjustable output current between 700 and 1,050 mA
- Pure AM dimming down to 5 %
- Max. tc point temperature 105 °C
- 5-year guarantee

Housing properties

- Pure PCB for built-in application

Interfaces

- DALI V2 - DT 6
- Terminal blocks: 0° push terminals

Functions

- Adjustable output current
- Protective features (short-circuit, no-load)

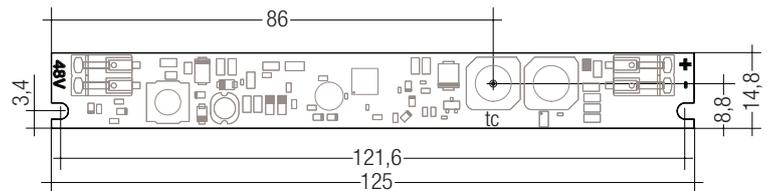
Benefits

- Application-oriented operating window
- Small dimensions for miniaturization of luminaires

→ For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet



Technical data

DC voltage input	48 V
DC voltage range	46 – 50 V
Mains frequency	0 Hz
Typ. current (full load) ¹⁾	64 – 476 mA
Max. input power	23.5 W
Typ. efficiency (full load) ^{1) 2)}	90 %
Typ. input current in no-load operation	13.5 mA
Typ. input power in no-load operation	< 0.4 W
Starting time (full load)	< 0.6 s
Hold on time at power failure	< 5 ms
Output current tolerance ¹⁾	± 3 %
Output current tolerance (at min. dimming level)	± 7.5 %
Max. peak output current	± output current + 30 %
Output LF current ripple	Same as LF ripple on 48 V bus
Max. output voltage (no-load voltage)	48 V
Dimming range	5–100 %
ESD classification	Severity level 2
Max. tc point temperature	105 °C
Dimensions L x W x H	125 x 14.8 x 12.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LMI G2 48V 700–1050mA 3–20V DIM Slim	28001583	5 pc(s).	3,000 pc(s).	0.016 kg

¹⁾ Depending on the selected output current.

²⁾ Valid at 100 % dimming level.

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage	Max. output power (at 48 V, full load)	Typ. power consumption (at 48 V, full load)	Typ. current consumption (at 48 V, full load)
LMI G2 48V 700-1050mA 3-20V DIM slim	700 mA	3 V	20 V	14 W	15.6 W	316 mA
	750 mA	3 V	20 V	15 W	16.8 W	340 mA
	800 mA	3 V	20 V	16 W	17.9 W	364 mA
	850 mA	3 V	20 V	17 W	18.7 W	380 mA
	900 mA	3 V	20 V	18 W	19.9 W	404 mA
	950 mA	3 V	20 V	19 W	21.0 W	427 mA
	1,000 mA	3 V	20 V	20 W	22.2 W	452 mA
	1,050 mA	3 V	20 V	21 W	23.4 W	476 mA



NEW

SPD 10kV CE SNC

Surge protection

Product description

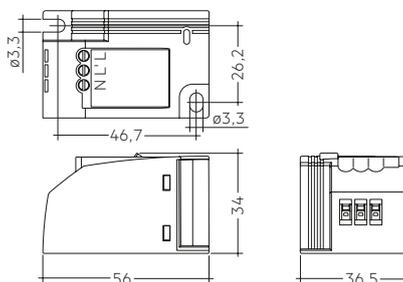
- Terminal L' is the fused output which would disconnect the LED Driver from the mains line in the event of an over temperature or during an above maximum surge pulse
- Universal use for street, tunnel or object lighting
- Flexible installation
- Fixed via integrated elongated holes
- Compact design
- Optical status indicator
- Stub or through-wiring connection
- Double or reinforced insulation
- 5-year guarantee

Housing properties

- Casing: plastic, grey
- Type of protection IP20

Typical applications

- Perfect for in-built applications
- For product data sheet go to www.tridonic.com, or available on request

**For standards see data sheet****Technical data**

Rated supply voltage	100 – 277 V
AC voltage range	100 – 320 V
Mains frequency	50 / 60 Hz
Mode of protection	L-N
AC system	TT
Type 2 surge protection (T2)	yes
Type 3 surge protection (T3)	yes
Rated load current	16 A
Nominal discharge current (8/20 μs)	5 kA
Max. discharge current (8/20 μs)	10 kA
Combination wave (1.2/50 μs)	10 kV (5 kA)
Short-circuit current rating	3 kA
Voltage protection level (at nominal discharge current (8/20 μs) and at 6 kV (1.2/50 μs))	≤ 1.3 kV
Residual voltage (at nominal discharge current (8/20 μs) and at combination wave (1.2/50 μs))	≤ 1.3 kV
TOV behavior (5 s / withstand mode)	400 V AC
TOV behavior (120 min. / safe failure mode)	528 V AC
Response time	≤ 25 ns
Max. backup fuse (MCB type B and C)	16 A
Ambient temperature t_a	-40 ... +80 °C
Storage temperature t_s	-40 ... +80 °C
Type of protection	IP20
Altitude (above sea level)	≤ 2,000 m
Dimensions L x W x H	56.0 x 36.5 x 34.0 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
SPD 10kV CE SNC	28002383	10 pc(s).	5,040 pc(s).	0,041 kg

Product overview LED compact



**Engine DLA
ready2apply ESSENCE**
ready2apply

The engine DLA ready2apply ESSENCE is the simple solution to switch from downlights with conventional compact fluorescent lamps to ones with LEDs.

- Complete ready-to-apply solution comprising LED module, lens, heat sink and LED Driver
- High efficiency of 100 lm/W
- Nominal life-time of up to 30,000 hours
- 3-year guarantee



**Module SLA
ready2apply ESSENCE**
ready2apply

The module SLA ready2apply ESSENCE is the professional LED alternative for spotlights with halogen lamps.

- Complete ready-to-apply solution comprising LED module, lens and heat sink
- Also available as set with matching phase-cut LED Driver
- CRI for high light quality
- Beam angle 24° or 36°
- Nominal life-time of up to 50,000 hours
- 3-year guarantee (SLA G1), 5-year guarantee (SLA G2)



Module SLE
Luminaire type: Spot-
lights, downlights,
recessed floor & wall-
mounted luminaires,
street lanterns

The best light whatever the need

- High module and system efficiencies
- Luminous flux up to 9,960 lm
- PREMIUM (CRI > 90) with Tunable White from 2,700 to 6,500 K, EXCITE (CRI > 90), ADVANCED (CRI > 80), ESSENCE (CRI > 80)
- Also available for special applications with special spectra, e.g.: SLE FOOD or FASHION for merchandise presentation, SLE ART with Full Spectrum Technology and CRI = 98
- High-power LED in chip-on-board technology (COB)



Module DLE
Luminaire type:
Downlights

**Available in EXCITE (CRI > 90) and
ADVANCED (CRI > 80) versions**

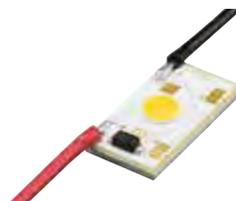
- High colour rendering quality and colour stability
- Luminous flux up to 3,710 lm
- High system efficacy up to 158 lm/W
- Low colour temperature tolerances

Product overview LED compact



Module CLE

Luminaire type:
Recessed floor & wall-
mounted luminaires



Module Pxxx

Luminaire type:
Spotlights, downlights,
recessed floor & wall-
mounted luminaires,
street lanterns

Replacement for circular and TC-DD fluorescent lamps

- Uniform illumination with no shadow effects
- Luminous flux up to 4,400 lm
- With integrated emergency lighting function and SWITCH sensor (SO version)
- Self-cooling (no additional heat sink required)
- High colour rendering index (CRI > 80)

LED modules for many different applications

- COB individual light point modules for flexible use in general illumination, e.g. emergency lighting, designer lighting or effect lighting
- High-flux LEDs in chip-on-board technology (COB) offer high efficiency and maximum luminance
- Lenses available as accessories

Product overview LED linear / area

**Module LLE**

Luminaire type:
Linear luminaires
(in-built, remote,
pendant), recessed
floor & wallmounted
luminaires, free-
standing luminaires

Ideal for linear and area luminaires

- LED system solution with excellent system efficiency
- Luminous flux range from 300 to 5,340 lm
- Perfectly uniform light even if up to 11 LED modules are connected to an LED Driver
- High colour rendering index CRI > 80, CRI > 90; 2,700/3,000 / 4,000/5,000/6,500 K and TW: 3,000 – 6,000 K
- Narrow luminous flux tolerances

**Module QLE**

Luminaire type:
Wide-area luminaires
(in-built, remote,
pendant), recessed
floor & wallmounted
luminaires, free-
standing luminaires

Ideal for linear and area luminaires

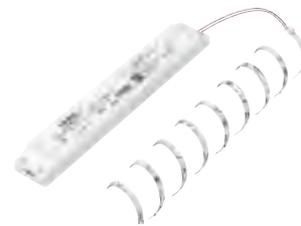
- LED system solution with excellent system efficiency
- Luminous flux range from 1,090 to 31,150 lm (Industry version)
- Perfectly uniform light even if several LED modules are arranged one after the other
- High colour rendering index CRI > 80, CRI > 90; 3,000/4,000/5,000/6,500 K and TW: 2,700 – 6,500 K
- Self-cooling (no additional heat sink required)

**Module RLE**

Luminaire type:
Outdoor

The high efficient outdoor modules Module RLE EXC are suitable for harsh and humid outdoor conditions. They can be used with standard lenses which are available with different emission characteristics. This means that the requirements for most outdoor lighting projects, floodlight applications and lighting applications in rooms with high ceilings can be met without any difficulty.

- Efficacy of the module up to 154w lm/W
- Increased temperature range from -40 to +105 °C
- Simple installation (e.g. screws)
- Long life-time of up to 100,000 hours
- 5-year guarantee

**Module LLE FLEX**

LED flexible

The extremely efficient Module LLE FLEX continuous lighting strip can perform numerous different lighting tasks – from decorative indirect, cove or accent lighting to direct general lighting with light lines. It can also be used in profile lighting.

- Module efficiency of up to 141 lm/W (tp = 65 °C)
- Freedom of design thanks to 50 mm (SNC, EXC) or 100 mm (ADV) cut options
- Simple installation with 3M thermal adhesive tape on a wide range of surfaces
- Long life-time of up to 50,000 hours
- 5-year guarantee



Module SLE G6 FOOD EXC

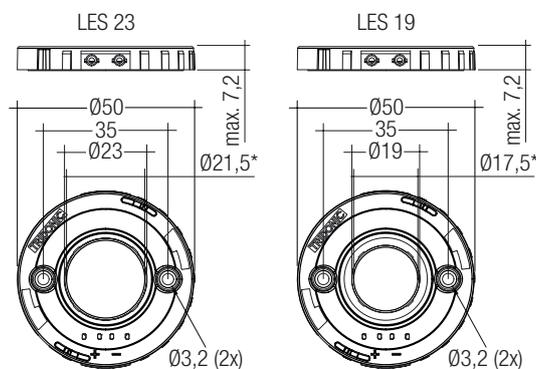
Module SLE EXCITE

Product description

- Application specific colours for attractive product presentation
 - For spotlights and downlights
 - ENEC+ for all module types
 - Housing with Snap-On feature for easy reflector mounting
 - 50 mm housing with 35 mm mounting hole distance acc. to Zhaga
 - Luminous flux up to 8,440 lm at $t_p = 65^\circ\text{C}$
 - High colour consistency
 - Excellent thermal management by COB technology
 - Uniform radiation with Dam&Fill technology
 - Fixing holes for M3 screws
 - Integrated LED module
 - Cooling required
 - Flexible operating modes
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



LES19 + LES23 with housing



Dimensions in mm, *optical LES

Technical data

Beam characteristic	115°
Ambient temperature range	-25 ... +50 °C
t_p rated	65 °C
t_c ¹⁾	Up to 100 °C
Max. allowed Silicon temperature	150 °C
I _{rated} for LES19	1,050 mA
I _{rated} for LES23	1,400 mA
I _{max} for LES19	1,400 mA
I _{max} for LES23	2,000 mA
Max. DC forward current for LES19 ²⁾	1,680 mA
Max. DC forward current for LES23 ²⁾	2,400 mA
Max. permissible LF current ripple for LES19	1,680 mA
Max. permissible LF current ripple for LES23	2,400 mA
Max. permissible peak current for LES19	2,520 mA / max. 8 ms
Max. permissible peak current for LES23	3,600 mA / max. 8 ms
Max. working voltage for insulation nonSELV ³⁾	50 V
Max. working voltage for insulation SELV ³⁾	75 V
Insulation test voltage	0,5 kV
CTI of the printed circuit board	< 600 V
ESD classification	Severity level 4
Risk group (EN 62471:2008)	RG1
Risk group (EN 62471:2008) for FISH, FRESH MEAT LES19	RG2 (E _{thr} = 699 lx, RG1 at $d \geq 180$ cm)
Risk group (EN 62471:2008) for FISH, FRESH MEAT LES19	RG2 (E _{thr} = 672 lx, RG1 at $d \geq 220$ cm)
Type of protection	IPO0

Ordering data

Type	Article number	Housing	Connection cable	Packaging, carton	Weight per pc.
SLE G6 19mm 5000lm FISH C EXC	89602803	No	Yes	20 pc(s).	0.008 kg
SLE G6 19mm 5000lm FISH H EXC	89602819	Yes	No	50 pc(s).	0.007 kg
SLE G6 19mm 5000lm GOLD C EXC	89602804	No	Yes	20 pc(s).	0.008 kg
SLE G6 19mm 5000lm GOLD H EXC	89602795	Yes	No	50 pc(s).	0.007 kg
SLE G6 19mm 5000lm GOLD+ C EXC	89602805	No	Yes	20 pc(s).	0.008 kg
SLE G6 19mm 5000lm GOLD+ H EXC	89602797	Yes	No	50 pc(s).	0.007 kg
SLE G6 19mm 5000lm MEAT+ C EXC	89602799	No	Yes	20 pc(s).	0.008 kg
SLE G6 19mm 5000lm MEAT+ H EXC	89602790	Yes	No	50 pc(s).	0.007 kg
SLE G6 19mm 5000lm FRESH MEAT C EXC	89602785	No	Yes	20 pc(s).	0.008 kg
SLE G6 19mm 5000lm FRESH MEAT H EXC	89602786	Yes	No	50 pc(s).	0.007 kg
SLE G6 23mm 6000lm FISH C EXC	89602806	No	Yes	20 pc(s).	0.008 kg
SLE G6 23mm 6000lm FISH H EXC	89602820	Yes	No	50 pc(s).	0.007 kg
SLE G6 23mm 6000lm GOLD C EXC	89602807	No	Yes	20 pc(s).	0.008 kg
SLE G6 23mm 6000lm GOLD H EXC	89602793	Yes	No	50 pc(s).	0.007 kg
SLE G6 23mm 6000lm GOLD+ C EXC	89602808	No	Yes	20 pc(s).	0.008 kg
SLE G6 23mm 6000lm GOLD+ H EXC	89602792	Yes	No	50 pc(s).	0.007 kg
SLE G6 23mm 6000lm MEAT+ C EXC	89602798	No	Yes	20 pc(s).	0.008 kg
SLE G6 23mm 6000lm MEAT+ H EXC	89602788	Yes	No	50 pc(s).	0.007 kg
SLE G6 23mm 6000lm FRESH MEAT C EXC	89602801	No	Yes	20 pc(s).	0.008 kg
SLE G6 23mm 6000lm FRESH MEAT H EXC	89602794	Yes	No	50 pc(s).	0.007 kg



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type ⁶⁾⁷⁾	Forward current	Luminous flux at tp = 25 °C ⁴⁾	Luminous flux at tp = 65 °C ⁴⁾	Power consumption at tp = 65 °C ⁴⁾	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C
SLE 19mm 5000lm – Operating mode HE at 500 mA						
SLE G6 19mm 5000lm FISH C EXC	500 mA	2,450 lm	2,320 lm	16.8 W	30.7 V	37.3 V
SLE G6 19mm 5000lm FISH H EXC	500 mA	2,450 lm	2,320 lm	16.8 W	30.7 V	37.3 V
SLE G6 19mm 5000lm GOLD C EXC	500 mA	2,300 lm	2,030 lm	16.8 W	30.7 V	37.3 V
SLE G6 19mm 5000lm GOLD H EXC	500 mA	2,300 lm	2,030 lm	16.8 W	30.7 V	37.3 V
SLE G6 19mm 5000lm GOLD+ C EXC	500 mA	1,610 lm	1,470 lm	16.8 W	30.7 V	37.3 V
SLE G6 19mm 5000lm GOLD+ H EXC	500 mA	1,610 lm	1,470 lm	16.8 W	30.7 V	37.3 V
SLE G6 19mm 5000lm MEAT+ C EXC	500 mA	1,520 lm	1,430 lm	16.8 W	30.7 V	37.3 V
SLE G6 19mm 5000lm MEAT+ H EXC	500 mA	1,520 lm	1,430 lm	16.8 W	30.7 V	37.3 V
SLE G6 19mm 5000lm FRESH MEAT C EXC	500 mA	1,540 lm	1,340 lm	16.8 W	30.7 V	37.3 V
SLE G6 19mm 5000lm FRESH MEAT H EXC	500 mA	1,540 lm	1,340 lm	16.8 W	30.7 V	37.3 V
SLE 19mm 5000lm – Operating mode NM at 1,050 mA						
SLE G6 19mm 5000lm FISH C EXC	1,050 mA	4,760 lm	4,520 lm	37.8 W	33.0 V	40.1 V
SLE G6 19mm 5000lm FISH H EXC	1,050 mA	4,760 lm	4,520 lm	37.8 W	33.0 V	40.1 V
SLE G6 19mm 5000lm GOLD C EXC	1,050 mA	4,470 lm	4,070 lm	37.8 W	33.0 V	40.1 V
SLE G6 19mm 5000lm GOLD H EXC	1,050 mA	4,470 lm	4,070 lm	37.8 W	33.0 V	40.1 V
SLE G6 19mm 5000lm GOLD+ C EXC	1,050 mA	3,140 lm	2,860 lm	37.8 W	33.0 V	40.1 V
SLE G6 19mm 5000lm GOLD+ H EXC	1,050 mA	3,140 lm	2,860 lm	37.8 W	33.0 V	40.1 V
SLE G6 19mm 5000lm MEAT+ C EXC	1,050 mA	2,950 lm	2,770 lm	37.8 W	33.0 V	40.1 V
SLE G6 19mm 5000lm MEAT+ H EXC	1,050 mA	2,950 lm	2,770 lm	37.8 W	33.0 V	40.1 V
SLE G6 19mm 5000lm FRESH MEAT C EXC	1,050 mA	3,000 lm	2,610 lm	37.8 W	33.0 V	40.1 V
SLE G6 19mm 5000lm FRESH MEAT H EXC	1,050 mA	3,000 lm	2,610 lm	37.8 W	33.0 V	40.1 V
SLE 19mm 5000lm – Operating mode HO at 1,400 mA						
SLE G6 19mm 5000lm FISH C EXC	1,400 mA	6,040 lm	5,730 lm	52.5 W	34.3 V	41.7 V
SLE G6 19mm 5000lm FISH H EXC	1,400 mA	6,040 lm	5,730 lm	52.5 W	34.3 V	41.7 V
SLE G6 19mm 5000lm GOLD C EXC	1,400 mA	5,670 lm	5,160 lm	52.5 W	34.3 V	41.7 V
SLE G6 19mm 5000lm GOLD H EXC	1,400 mA	5,670 lm	5,160 lm	52.5 W	34.3 V	41.7 V
SLE G6 19mm 5000lm GOLD+ C EXC	1,400 mA	3,980 lm	3,680 lm	52.5 W	34.3 V	41.7 V
SLE G6 19mm 5000lm GOLD+ H EXC	1,400 mA	3,980 lm	3,680 lm	52.5 W	34.3 V	41.7 V
SLE G6 19mm 5000lm MEAT+ C EXC	1,400 mA	3,740 lm	3,520 lm	52.5 W	34.3 V	41.7 V
SLE G6 19mm 5000lm MEAT+ H EXC	1,400 mA	3,740 lm	3,520 lm	52.5 W	34.3 V	41.7 V
SLE G6 19mm 5000lm FRESH MEAT C EXC	1,400 mA	3,800 lm	3,310 lm	52.5 W	34.3 V	41.7 V
SLE G6 19mm 5000lm FRESH MEAT H EXC	1,400 mA	3,800 lm	3,310 lm	52.5 W	34.3 V	41.7 V
SLE 23mm 6000lm – Operating mode HE at 700 mA						
SLE G6 23mm 6000lm FISH C EXC	700 mA	3,460 lm	3,290 lm	23.4 W	30.6 V	37.2 V
SLE G6 23mm 6000lm FISH H EXC	700 mA	3,460 lm	3,290 lm	23.4 W	30.6 V	37.2 V
SLE G6 23mm 6000lm GOLD C EXC	700 mA	3,250 lm	2,960 lm	23.4 W	30.6 V	37.2 V
SLE G6 23mm 6000lm GOLD H EXC	700 mA	3,250 lm	2,960 lm	23.4 W	30.6 V	37.2 V
SLE G6 23mm 6000lm GOLD+ C EXC	700 mA	2,280 lm	2,080 lm	23.4 W	30.6 V	37.2 V
SLE G6 23mm 6000lm GOLD+ H EXC	700 mA	2,280 lm	2,080 lm	23.4 W	30.6 V	37.2 V
SLE G6 23mm 6000lm MEAT+ C EXC	700 mA	2,140 lm	2,020 lm	23.4 W	30.6 V	37.2 V
SLE G6 23mm 6000lm MEAT+ H EXC	700 mA	2,140 lm	2,020 lm	23.4 W	30.6 V	37.2 V
SLE G6 23mm 6000lm FRESH MEAT C EXC	700 mA	2,180 lm	1,900 lm	23.4 W	30.6 V	37.2 V
SLE G6 23mm 6000lm FRESH MEAT H EXC	700 mA	2,180 lm	1,900 lm	23.4 W	30.6 V	37.2 V
SLE 23mm 6000lm – Operating mode NM at 1,400 mA						
SLE G6 23mm 6000lm FISH C EXC	1,400 mA	6,410 lm	6,090 lm	49.9 W	32.6 V	39.6 V
SLE G6 23mm 6000lm FISH H EXC	1,400 mA	6,410 lm	6,090 lm	49.9 W	32.6 V	39.6 V
SLE G6 23mm 6000lm GOLD C EXC	1,400 mA	6,030 lm	5,490 lm	49.9 W	32.6 V	39.6 V
SLE G6 23mm 6000lm GOLD H EXC	1,400 mA	6,030 lm	5,490 lm	49.9 W	32.6 V	39.6 V
SLE G6 23mm 6000lm GOLD+ C EXC	1,400 mA	4,230 lm	3,850 lm	49.9 W	32.6 V	39.6 V
SLE G6 23mm 6000lm GOLD+ H EXC	1,400 mA	4,230 lm	3,850 lm	49.9 W	32.6 V	39.6 V
SLE G6 23mm 6000lm MEAT+ C EXC	1,400 mA	3,980 lm	3,740 lm	49.9 W	32.6 V	39.6 V
SLE G6 23mm 6000lm MEAT+ H EXC	1,400 mA	3,980 lm	3,740 lm	49.9 W	32.6 V	39.6 V
SLE G6 23mm 6000lm FRESH MEAT C EXC	1,400 mA	4,040 lm	3,520 lm	49.9 W	32.6 V	39.6 V
SLE G6 23mm 6000lm FRESH MEAT H EXC	1,400 mA	4,040 lm	3,520 lm	49.9 W	32.6 V	39.6 V

¹⁾ See derating curves in data sheet section 2.3.²⁾ Max. DC forward current varies over the temperature of the LED module. See derating curves in data sheet section 2.3.³⁾ The detailed explanation, see data sheet section 3.1.⁴⁾ Tolerance range for optical and electrical data: ±10 %.⁵⁾ Assumed efficiency for the LED Driver is 0.9.⁶⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.⁷⁾ Application specific colours for attractive product presentation, see data sheet section 6.1.

Specific technical data

Type ^{6) 7)}	Forward current	Luminous flux at tp = 25 °C ⁴⁾	Luminous flux at tp = 65 °C ⁴⁾	Power consumption at tp = 65 °C ⁴⁾	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C
SLE 23mm 6000lm – Operating mode HO at 2,000 mA						
SLE G6 23mm 6000lm FISH C EXC	2,000 mA	8,610 lm	8,180 lm	74.8 W	34.2 V	41.6 V
SLE G6 23mm 6000lm FISH H EXC	2,000 mA	8,610 lm	8,180 lm	74.8 W	34.2 V	41.6 V
SLE G6 23mm 6000lm GOLD C EXC	2,000 mA	8,090 lm	7,360 lm	74.8 W	34.2 V	41.6 V
SLE G6 23mm 6000lm GOLD H EXC	2,000 mA	8,090 lm	7,360 lm	74.8 W	34.2 V	41.6 V
SLE G6 23mm 6000lm GOLD+ C EXC	2,000 mA	5,680 lm	5,170 lm	74.8 W	34.2 V	41.6 V
SLE G6 23mm 6000lm GOLD+ H EXC	2,000 mA	5,680 lm	5,170 lm	74.8 W	34.2 V	41.6 V
SLE G6 23mm 6000lm MEAT+ C EXC	2,000 mA	5,340 lm	5,020 lm	74.8 W	34.2 V	41.6 V
SLE G6 23mm 6000lm MEAT+ H EXC	2,000 mA	5,340 lm	5,020 lm	74.8 W	34.2 V	41.6 V
SLE G6 23mm 6000lm FRESH MEAT C EXC	2,000 mA	5,420 lm	4,720 lm	74.8 W	34.2 V	41.6 V
SLE G6 23mm 6000lm FRESH MEAT H EXC	2,000 mA	5,420 lm	4,720 lm	74.8 W	34.2 V	41.6 V

¹⁾ See derating curves in data sheet section 2.3.

²⁾ Max. DC forward current varies over the temperature of the LED module. See derating curves in data sheet section 2.3.

³⁾ The detailed explanation, see data sheet section 3.1.

⁴⁾ Tolerance range for optical and electrical data: ±10 %.

⁵⁾ Assumed efficiency for the LED Driver is 0.9.

⁶⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.

⁷⁾ Application specific colours for attractive product presentation, see data sheet section 6.1.



Module SLE G6 ART EXC

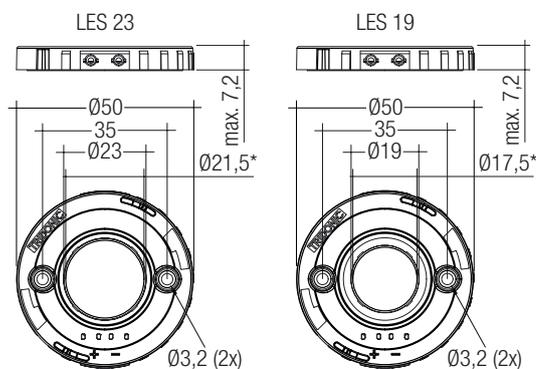
Module SLE EXCITE

Product description

- Highest light quality in the market with full spectrum technology
 - Application: Shop, Art & Culture
 - Housing with Snap-On feature for easy reflector mounting
 - 50 mm housing with 35 mm mounting hole distance acc. to Zhaga
 - Luminous flux up to 6,340 lm at $t_p = 65\text{ °C}$
 - High efficacy up to 127 lm/W for the LED module at $t_p = 25\text{ °C}$
 - High system efficacy up to 109 lm/W at $t_p = 65\text{ °C}$
 - High colour consistency (MacAdam 2)
 - Excellent thermal management by COB technology
 - Uniform radiation with Dam&Fill technology
 - Fixing holes for M3 screws
 - Integrated LED module
 - Cooling required
 - Flexible operating modes
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



LES19 + LES23 with housing



Dimensions in mm, *optical LES

Technical data

Beam characteristic	115°
Ambient temperature range	-25 ... +50 °C
t_p rated	65 °C
t_c ¹⁾	Up to 100 °C
Max. allowed Silicontemperature	150 °C
I _{rated} for LES19	1,050 mA
I _{rated} for LES23	1,400 mA
I _{max} for LES19	1,400 mA
I _{max} for LES23	2,000 mA
Max. DC forward current for LES19 ²⁾	1,680 mA
Max. DC forward current for LES23 ²⁾	2,400 mA
Max. permissible LF current ripple for LES19	1,680 mA
Max. permissible LF current ripple for LES23	2,400 mA
Max. permissible peak current for LES19	2,520 mA / max. 8 ms
Max. permissible peak current for LES23	3,600 mA / max. 8 ms
Max. working voltage for insulation nonSELV ³⁾	50 V
Max. working voltage for insulation SELV ³⁾	75 V
Insulation test voltage	0.5 kV
CTI of the printed circuit board	< 600 V
ESD classification	Severity level 4
Risk group (EN 62471:2008) for LES19	RG1
Risk group (EN 62471:2008) for LES23	RG1
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Housing	Connection cable	Packaging carton	Weight per pc.
SLE G6 19mm 5000lm 930 ART H EXC	89602796	3,000 K	yes	no	50 pc(s).	0.009 kg
SLE G6 23mm 6000lm 930 ART H EXC	89602800	3,000 K	yes	no	50 pc(s).	0.009 kg



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type ⁶⁾	Photo-metric code	Forward current	Luminous flux at tp = 25 °C ⁴⁾	Luminous flux at tp = 65 °C ⁴⁾	Power consumption at tp = 65 °C ⁴⁾	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C ⁵⁾	Colour rendering index CRI
SLE 19mm 5000lm – Operating mode HE at 500 mA											
SLE G6 19mm 5000lm 930 ART EXC	930/249	500 mA	2.130 lm	2.000 lm	16,8 W	30,7 V	37,3 V	125 lm/W	119 lm/W	107 lm/W	98
SLE 19mm 5000lm – Operating mode NM at 1,050 mA											
SLE G6 19mm 5000lm 930 ART EXC	930/249	1.050 mA	4.140 lm	3.890 lm	37,8 W	33,0 V	40,1 V	108 lm/W	103 lm/W	93 lm/W	98
SLE 19mm 5000lm – Operating mode HO at 1,400 mA											
SLE G6 19mm 5000lm 930 ART EXC	930/249	1.400 mA	5.250 lm	4.940 lm	52,5 W	34,3 V	41,7 V	99 lm/W	94 lm/W	85 lm/W	98
SLE 23mm 6000lm – Operating mode HE at 700 mA											
SLE G6 23mm 6000lm 930 ART EXC	930/249	700 mA	3.010 lm	2.830 lm	23,4 W	30,6 V	37,2 V	127 lm/W	121 lm/W	109 lm/W	98
SLE 23mm 6000lm – Operating mode NM at 1,400 mA											
SLE G6 23mm 6000lm 930 ART EXC	930/249	1.400 mA	5.580 lm	5.240 lm	49,9 W	32,6 V	39,6 V	111 lm/W	105 lm/W	95 lm/W	98
SLE 23mm 6000lm – Operating mode HO at 2,000 mA											
SLE G6 23mm 6000lm 930 ART EXC	930/249	2.000 mA	7.490 lm	6.340 lm	74,8 W	34,2 V	41,6 V	99 lm/W	94 lm/W	85 lm/W	98

¹⁾ See derating curves in data sheet section 2.3.

²⁾ Max. DC forward current varies over the temperature of the LED module. See derating curves in data sheet section 2.3.

³⁾ The detailed explanation, see data sheet section 3.1.

⁴⁾ Tolerance range for optical and electrical data: ±10 %.

⁵⁾ Assumed efficiency for the LED Driver is 0.9.

⁶⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.



Module SLE G6 FASHION EXC

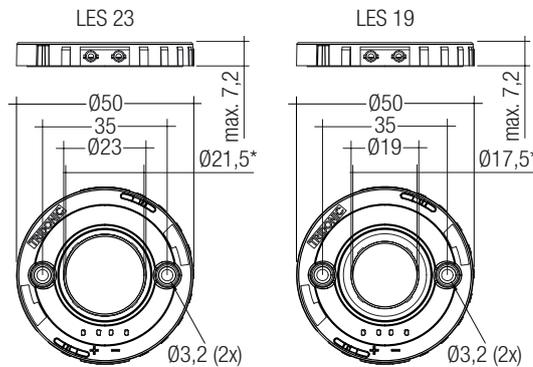
Module SLE EXCITE

Product description

- Optimized light spectrum for perfect fashion presentation
 - Best balanced Fashion light for all colours (typical CRI 95)
 - Housing with Snap-On feature for easy reflector mounting
 - 50 mm housing with 35 mm mounting hole distance acc. to Zhaga
 - Warm, thrilling colours with a high saturation combined with a pure and shiny white
 - Luminous flux up to 7,370 lm at $t_p = 65\text{ }^\circ\text{C}$
 - High colour consistency (MacAdam 3)
 - Excellent thermal management by COB technology
 - Uniform radiation with Dam&Fill technology
 - Fixing holes for M3 screws
 - Integrated LED module
 - Cooling required
 - Flexible operating mode
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



LES19 + LES23 with housing



Dimensions in mm, *optical LES



For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Housing	Connection cable	Packaging carton	Weight per pc.
SLE G6 10mm 1200lm FASHION C EXC	89602881	3,250 K	No	Yes	20 pc(s)	0.004 kg
SLE G6 15mm 3000lm FASHION R EXC	89602827	3,250 K	No	No	25 pc(s)	0.001 kg
SLE G6 15mm 3000lm FASHION C EXC	89602880	3,250 K	No	Yes	20 pc(s)	0.004 kg
SLE G6 17mm 4000lm FASHION R EXC	89602802	3,250 K	No	No	25 pc(s)	0.001 kg
SLE G6 17mm 4000lm FASHION H EXC D50	89602828	3,250 K	Yes	No	50 pc(s)	0.003 kg
SLE G6 19mm 5000lm FASHION C EXC	89602851	3,250 K	No	Yes	20 pc(s)	0.008 kg
SLE G6 19mm 5000lm FASHION H EXC	89602784	3,250 K	Yes	No	50 pc(s)	0.007 kg
SLE G6 23mm 6000lm FASHION H EXC	89602791	3,250 K	Yes	No	50 pc(s)	0.007 kg

Technical data

Beam characteristic	115°
Ambient temperature range	-25 ... +50 °C
tp rated	65 °C
tc ¹⁾	up to 100 °C
Max. allowed Silicon temperature	150 °C
Irated for LES10	350 mA
Irated for LES15	500 mA
Irated for LES17	900 mA
Irated for LES19	1,050 mA
Irated for LES23	1,400 mA
I _{max} for LES10	500 mA
I _{max} for LES15	900 mA
I _{max} for LES17	1,200 mA
I _{max} for LES19	1,400 mA
I _{max} for LES23	2,000 mA
Max. DC forward current for LES10 ²⁾	720 mA
Max. DC forward current for LES15 ²⁾	1,200 mA
Max. DC forward current for LES17 ²⁾	1,440 mA
Max. DC forward current for LES19 ²⁾	1,680 mA
Max. DC forward current for LES23 ²⁾	2,400 mA
Max. permissible LF current ripple for LES10	720 mA
Max. permissible LF current ripple for LES15	1,200 mA
Max. permissible LF current ripple for LES17	1,440 mA
Max. permissible LF current ripple for LES19	1,680 mA
Max. permissible LF current ripple for LES23	2,400 mA
Max. permissible peak current for LES10	1,080 mA / max. 8 ms
Max. permissible peak current for LES15	1,800 mA / max. 8 ms
Max. permissible peak current for LES17	2,160 mA / max. 8 ms
Max. permissible peak current for LES19	2,520 mA / max. 8 ms
Max. permissible peak current for LES23	3,600 mA / max. 8 ms
Max. working voltage for insulation nonSELV ³⁾	50 V
Max. working voltage for insulation SELV for LES10, LES15, LES17 ³⁾	60 V
Max. working voltage for insulation SELV for LES19, LES23 ³⁾	75 V
Insulation test voltage	0.5 kV
CTI of the printed circuit board	< 600 V
ESD classification	Severity level 4
Risk group (EN 62471:2008) for LES10	RG2 (E _{thr} = 1547 lx, RG1 at d = 80 cm)
Risk group (EN 62471:2008) for LES15	RG1
Risk group (EN 62471:2008) for LES17	RG1
Risk group (EN 62471:2008) for LES19	RG1
Risk group (EN 62471:2008) for LES23	RG1
Type of protection	IP00

Specific technical data

Type ⁶⁾	Photometric code	Forward current	Luminous flux at tp = 25 °C ⁴⁾	Luminous flux at tp = 65 °C ⁴⁾	Power consumption at tp = 65 °C ⁴⁾⁷⁾	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Colour rendering index CRI
SLE 10mm 1200lm – Operating mode HE at 250 mA								
SLE G6 10mm 1200lm FASHION C EXC	932/359	250 mA	1,110 lm	940 lm	8.8 W	32.2 V	39.1 V	95
SLE 10mm 1200lm – Operating mode NM at 350 mA								
SLE G6 10mm 1200lm FASHION C EXC	932/359	350 mA	1,360 lm	1,260 lm	12.7 W	33.2 V	40.3 V	95
SLE 10mm 1200lm – Operating mode HO at 500 mA								
SLE G6 10mm 1200lm FASHION C EXC	932/359	500 mA	1,820 lm	1,700 lm	19.1 W	34.9 V	42.4 V	95
SLE 15mm 3000lm – Operating mode HE at 350 mA								
SLE G6 15mm 3000lm FASHION R EXC	932/359	350 mA	1,530 lm	1,430 lm	11.8 W	30.8 V	37.4 V	95
SLE G6 15mm 3000lm FASHION R EXC	932/359	350 mA	1,530 lm	1,430 lm	11.8 W	30.8 V	37.4 V	95
SLE 15mm 3000lm – Operating mode NM at 500 mA								
SLE G6 15mm 3000lm FASHION R EXC	932/359	500 mA	2,130 lm	1,980 lm	17.3 W	31.6 V	38.4 V	95
SLE G6 15mm 3000lm FASHION C EXC	932/359	500 mA	2,130 lm	1,980 lm	17.3 W	31.6 V	38.4 V	95
SLE 15mm 3000lm – Operating mode HO at 900 mA								
SLE G6 15mm 3000lm FASHION R EXC	932/359	900 mA	3,530 lm	3,280 lm	33.1 W	33.7 V	40.9 V	95
SLE G6 15mm 3000lm FASHION C EXC	932/359	900 mA	3,530 lm	3,280 lm	33.1 W	33.7 V	40.9 V	95
SLE 17mm 4000lm – Operating mode HE at 500mA								
SLE G6 17mm 4000lm FASHION R EXC	932/359	500 mA	2,150 lm	2,000 lm	17.0 W	31.1 V	37.7 V	95
SLE G6 17mm 4000lm FASHION H EXC D50	932/359	500 mA	2,150 lm	2,000 lm	17.0 W	31.1 V	37.7 V	95
SLE 17mm 4000lm – Operating mode NM at 900 mA								
SLE G6 17mm 4000lm FASHION R EXC	932/359	900 mA	3,640 lm	3,380 lm	32.4 W	32.9 V	40.0 V	95
SLE G6 17mm 4000lm FASHION H EXC D50	932/359	900 mA	3,640 lm	3,380 lm	32.4 W	32.9 V	40.0 V	95
SLE 17mm 4000lm – Operating mode HO at 1,200 mA								
SLE G6 17mm 4000lm FASHION R EXC	932/359	1,200 mA	4,610 lm	4,290 lm	44.9 W	34.2 V	41.6 V	95
SLE G6 17mm 4000lm FASHION H EXC D50	932/359	1,200 mA	4,610 lm	4,290 lm	44.9 W	34.2 V	41.6 V	95
SLE 19mm 5000lm – Operating mode HE at 500 mA								
SLE G6 19mm 5000lm FASHION C EXC	932/359	500 mA	2,250 lm	2,090 lm	16.8 W	30.7 V	37.3 V	95
SLE G6 19mm 5000lm FASHION H EXC	932/359	500 mA	2,250 lm	2,090 lm	16.8 W	30.7 V	37.3 V	95
SLE 19mm 5000lm – Operating mode NM at 1,050 mA								
SLE G6 19mm 5000lm FASHION C EXC	932/359	1,050 mA	4,380 lm	4,070 lm	37.8 W	33.0 V	40.1 V	95
SLE G6 19mm 5000lm FASHION H EXC	932/359	1,050 mA	4,380 lm	4,070 lm	37.8 W	33.0 V	40.1 V	95
SLE 19mm 5000lm – Operating mode HO at 1,400 mA								
SLE G6 19mm 5000lm FASHION C EXC	932/359	1,400 mA	5,550 lm	5,160 lm	52.5 W	34.3 V	41.7 V	95
SLE G6 19mm 5000lm FASHION H EXC	932/359	1,400 mA	5,550 lm	5,160 lm	52.5 W	34.3 V	41.7 V	95
SLE 23mm 6000lm – Operating mode HE at 700 mA								
SLE G6 23mm 6000lm FASHION H EXC	932/359	700 mA	3,180 lm	2,960 lm	23.4 W	30.6 V	37.2 V	95
SLE 23mm 6000lm – Operating mode NM at 1,400 mA								
SLE G6 23mm 6000lm FASHION H EXC	932/359	1,400 mA	5,900 lm	5,490 lm	49.9 W	32.6 V	39.6 V	95
SLE 23mm 6000lm – Operating mode HO at 2,000 mA								
SLE G6 23mm 6000lm FASHION H EXC	932/359	2,000 mA	7,920 lm	7,370 lm	74.8 W	34.2 V	41.6 V	95

¹⁾ See derating curves in data sheet section 2.3.

²⁾ Max. DC forward current varies over the temperature of the LED module. See derating curves in data sheet section 2.3.

³⁾ The detailed explanation, see data sheet section 3.1.

⁴⁾ Tolerance range for optical and electrical data: ±10 %.

⁵⁾ Assumed efficiency for the LED Driver is 0.9.

⁶⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.

⁷⁾ All values at tp = 65 °C.



Module SLE G6 TINGE EXC

Module SLE EXCITE

Product description

- For spotlights and downlights
- Luminous flux up to 4,220 lm at $t_p = 65\text{ }^\circ\text{C}$
- High colour consistency (MacAdam 3)
- Small LES (light emitting surface) diameter enables small beam angle for spotlights
- Excellent thermal management by COB technology
- Uniform radiation with Dam&Fill technology
- Integrated LED module
- Cooling required
- Flexible operating mode
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

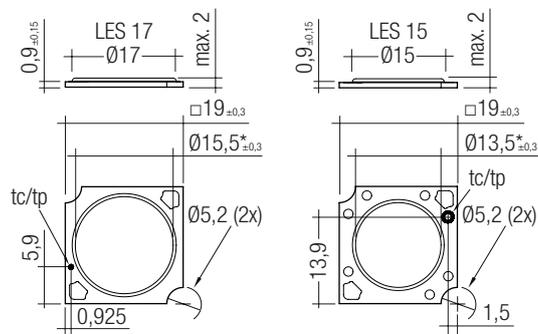
Beam characteristic	115°
Ambient temperature range	-25 ... +50 °C
t_p rated	65 °C
$t_c^{(2)}$	up to 100 °C
Max. allowed Silicon temperature	150 °C
Irated for LES15	500 mA
Irated for LES17	900 mA
I _{max} for LES15	900 mA
I _{max} for LES17	1,200 mA
Max. DC forward current for LES15 ⁽²⁾	1,200 mA
Max. DC forward current for LES17 ⁽²⁾	1,440 mA
Max. permissible LF current ripple for LES15	1,200 mA
Max. permissible LF current ripple for LES17	1,440 mA
Max. permissible peak current for LES15	1,800 mA / max. 8 ms
Max. permissible peak current for LES17	2,160 mA / max. 8 ms
Max. working voltage for insulation for LES15 ⁽³⁾	50 V
Max. working voltage for insulation for LES17 ⁽³⁾	50 V
Insulation test voltage for LES15	0.5 kV
Insulation test voltage for LES17	0.5 kV
CTI of the printed circuit board	< 600 V
ESD classification	Severity level 4
Risk group (EN 62471:2008) for LES15	RG1
Risk group (EN 62471:2008) for LES17	RG1
Type of protection	IP00



LES17



LES15



Dimensions in mm, *optical LES

Ordering data

Type	Article number	Colour temperature	Connection cable	Packaging, carton	Weight per pc.
SLE G6 15mm 3000lm 930 Tinge R EXC	28001958	3,000 K	No	25 pc(s).	0.001 kg
SLE G6 17mm 4000lm 930 Tinge R EXC	28001717	3,000 K	No	25 pc(s).	0.001 kg



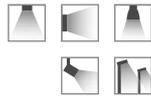
For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type ¹⁾	Photo-metric code	Forward current	Luminous flux at tp = 25 °C ⁵⁾	Luminous flux at tp = 65 °C ⁵⁾	Power consumption ^{5) 6)}	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C ⁷⁾	Colour rendering index CRI
SLE 15mm 3000lm – Operating mode HE at 350 mA											
SLE G6 15mm 3000lm 930 Tinge R EXC	930/349	350 mA	1,480 lm	1,410 lm	12.2 W	31.8 V	38.6 V	120 lm/W	115 lm/W	104 lm/W	90
SLE 15mm 3000lm – Operating mode NM at 500 mA											
SLE G6 15mm 3000lm 930 Tinge R EXC	930/349	500 mA	2,030 lm	1,930 lm	17.8 W	32.7 V	39.7 V	113 lm/W	108 lm/W	97 lm/W	90
SLE 15mm 3000lm – Operating mode HO at 900 mA											
SLE G6 15mm 3000lm 930 Tinge R EXC	930/349	900 mA	3,330 lm	3,160 lm	34.8 W	35.4 V	43.0 V	95 lm/W	90 lm/W	81 lm/W	90
SLE 17mm 4000lm – Operating mode HE at 500mA											
SLE G6 17mm 4000lm 930 Tinge R EXC	930/349	500 mA	2,140 lm	2,010 lm	17.4 W	31.8 V	38.7 V	121 lm/W	116 lm/W	104 lm/W	90
SLE 17mm 4000lm – Operating mode NM at 900 mA											
SLE G6 17mm 4000lm 930 Tinge R EXC	930/349	900 mA	3,510 lm	3,350 lm	33.5 W	34.1 V	41.4 V	102 lm/W	100 lm/W	90 lm/W	90
SLE 17mm 4000lm – Operating mode HO at 1,200 mA											
SLE G6 17mm 4000lm 930 Tinge R EXC	930/349	1,200 mA	4,490 lm	4,220 lm	46.8 W	35.7 V	43.4 V	95 lm/W	90 lm/W	81 lm/W	90

¹⁾ See derating curves in data sheet section 2.3.²⁾ Max. DC forward current varies over the temperature of the LED module. See derating curves in data sheet section 2.3.³⁾ The detailed explanation, see data sheet section 3.1.⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.⁵⁾ Tolerance range for optical and electrical data: ±10 %.⁶⁾ All values at tp = 65 °C.⁷⁾ Assumed efficiency for the LED Driver is 0.9.



Module SLE G1 SUNSET EXC

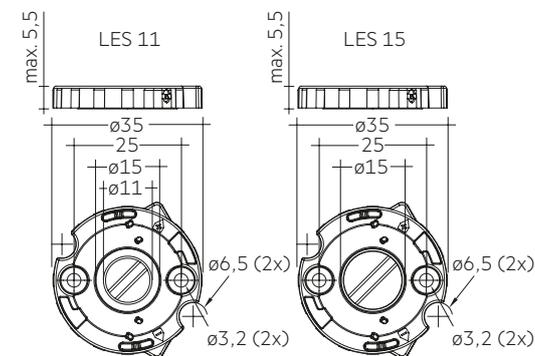
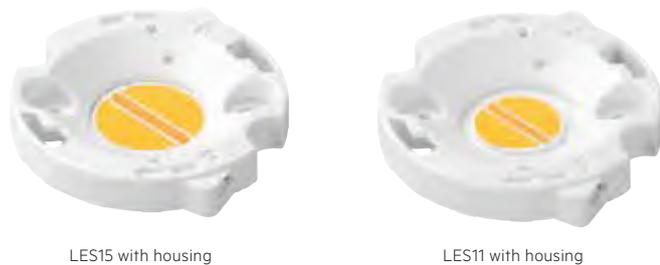
Module SLE EXCITE

Product description

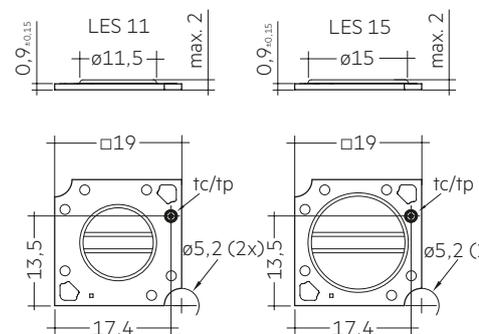
- For spotlights and downlights
 - Sunset dimming – changes light colour with dimming level
 - 100 % dimming level = 2.700 K, 5 % dimming level = 1.800 K
 - Can be used with amplitude dimmable LED Drivers (no additional control)
 - Housing with Snap-On feature for easy reflector mounting
 - Luminous flux up to 1,700 lm at $t_p = 65^\circ\text{C}$
 - High colour consistency (MacAdam 3)
 - Small LES (light emitting surface) diameter enables small beam angle for spotlights
 - Fixing holes for M3 screws
 - Cooling required
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Beam characteristic	115°
Ambient temperature range	-25 ... +50 °C
t_p rated	65 °C
t_c ¹⁾	up to 100 °C
Max. allowed Silicon temperature	150 °C
Irated for LES11	350 mA
Irated for LES15	500 mA
I _{max} for LES11	350 mA
I _{max} for LES15	500 mA
Max. DC forward current for LES11 ²⁾	435 mA
Max. DC forward current for LES15 ²⁾	850 mA
Max. permissible LF current ripple for LES11	435 mA
Max. permissible LF current ripple for LES15	850 mA
Max. permissible peak current for LES11	600 mA / max. 8 ms
Max. permissible peak current for LES15	1,200 mA / max. 8 ms
Max. working voltage for insulation nonSELV ³⁾	50 V
Max. working voltage for insulation SELV ³⁾	60 V
Insulation test voltage	0.5 kV
ESD classification	Severity level 4
Risk group (EN 62471:2008)	RG1
Type of protection	IP00



Dimensions in mm



Dimensions in mm



For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Housing	Packaging, carton	Weight per pc.
SLE G1 11mm 1000lm 927 Sunset R EXC	89602602	1,800 – 2,700 K	No	25 pc(s).	0.001 kg
SLE G1 15mm 2000lm 927 Sunset R EXC	89602603	1,800 – 2,700 K	No	25 pc(s).	0.001 kg
SLE G1 11mm 1000lm 927 Sunset H EXC	89602605	1,800 – 2,700 K	Yes	50 pc(s).	0.003 kg
SLE G1 15mm 2000lm 927 Sunset H EXC	89602606	1,800 – 2,700 K	Yes	50 pc(s).	0.003 kg

Specific technical data

Type	Photo-metric code	Forward current	Luminous flux at tp = 25 °C ⁴⁾	Luminous flux at tp = 65 °C ⁴⁾	Power consumption ⁴⁾⁵⁾	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C ⁶⁾	Colour rendering index CRI
SLE G1 11mm 1000lm 927 Sunset R EXC	927/3x9	350 mA	1,240 lm	1,140 lm	13.4 W	34.4 V	41.0 V	91 lm/W	85 lm/W	77 lm/W	>90
SLE G1 15mm 2000lm 927 Sunset R EXC	927/3x9	500 mA	1,850 lm	1,700 lm	18.1 W	32.6 V	38.9 V	100 lm/W	94 lm/W	85 lm/W	>90
SLE G1 11mm 1000lm 927 Sunset H EXC	927/3x9	350 mA	1,240 lm	1,140 lm	13.4 W	34.4 V	41.0 V	91 lm/W	85 lm/W	77 lm/W	>90
SLE G1 15mm 2000lm 927 Sunset H EXC	927/3x9	500 mA	1,850 lm	1,700 lm	18.1 W	32.6 V	38.9 V	100 lm/W	94 lm/W	85 lm/W	>90

¹⁾ See derating curves in data sheet section 2.3.

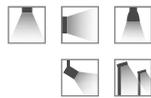
²⁾ Max. DC forward current varies over the temperature of the LED module. See derating curves in data sheet section 2.3.

³⁾ The detailed explanation, see data sheet section 31.

⁴⁾ Tolerance range for optical and electrical data: ±10 %.

⁵⁾ All values at tp = 65 °C.

⁶⁾ Assumed efficiency for the LED Driver is 0.9.



Module SLE G6 ADV

Module SLE ADVANCED

Product description

- For spotlights and downlights
 - TIM variants for easy and fast assembly
 - Housing with Snap-On feature for easy reflector mounting
 - 50 mm housing with 35 mm mounting hole distance acc. to Zhaga
 - 35 mm housing with 25 mm mounting hole distance acc. to Zhaga
 - Luminous flux up to 9,960 lm at $t_p = 65\text{ }^\circ\text{C}$
 - High efficacy up to 180 lm/W for the LED module at $t_p = 25\text{ }^\circ\text{C}$
 - High system efficacy up to 154 lm/W at $t_p = 65\text{ }^\circ\text{C}$
 - High colour consistency (MacAdam 3)
 - Small LES (light emitting surface) diameter enables small beam angle for spotlights
 - Excellent thermal management by COB technology
 - Uniform radiation with Dam&Fill technology
 - Fixing holes for M3 screws
 - Integrated LED module
 - Cooling required
 - Flexible operating modes
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

For colour temperatures and tolerances see data sheet



LES19 + LES23 with housing



LES15 + LES17 D50 with housing



LES15 mit Gehäuse



LES19 + LES23



LES17



LES15



LES10

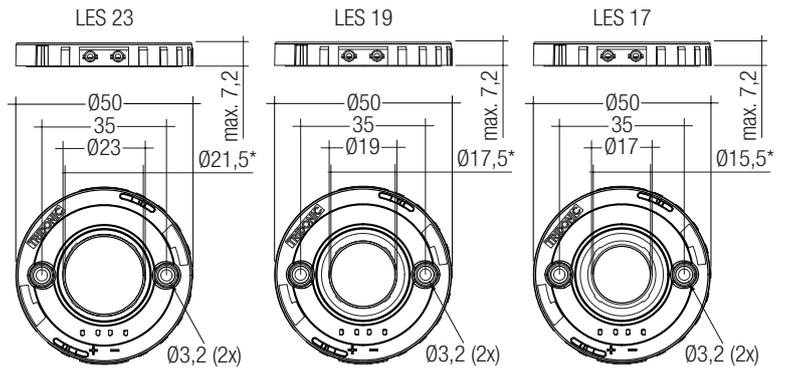
Technical data

Beam characteristic	115°
Ambient temperature range	-25 ... +50 °C
tp rated	65 °C
tc ¹⁾	Up to 100 °C
Max. allowed Silicontemperature	150 °C
Irated for LES10	350 mA
Irated for LES15	500 mA
Irated for LES17	900 mA
Irated for LES19	1,050 mA
Irated for LES23	1,400 mA
Imax for LES10	500 mA
Imax for LES15	900 mA
Imax for LES17	1,200 mA
Imax for LES19	1,400 mA
Imax for LES23	2,000 mA
Max. DC forward current for LES10 ²⁾	720 mA
Max. DC forward current for LES15 ²⁾	1,200 mA
Max. DC forward current for LES17 ²⁾	1,440 mA
Max. DC forward current for LES19 ²⁾	1,680 mA
Max. DC forward current for LES23 ²⁾	2,400 mA
Max. permissible LF current ripple for LES10	720 mA
Max. permissible LF current ripple for LES15	1,200 mA
Max. permissible LF current ripple for LES17	1,440 mA
Max. permissible LF current ripple for LES19	1,680 mA
Max. permissible LF current ripple for LES23	2,400 mA
Max. permissible peak current for LES10	1,080 mA / max. 8 ms
Max. permissible peak current for LES15	1,800 mA / max. 8 ms
Max. permissible peak current for LES17	2,160 mA / max. 8 ms
Max. permissible peak current for LES19	2,520 mA / max. 8 ms
Max. permissible peak current for LES23	3,600 mA / max. 8 ms
Max. working voltage for insulation nonSELV ³⁾	50 V
Max. working voltage for insulation SELV for LES10, LES15, LES173	60 V
Max. working voltage for insulation SELV for LES19, LES233	75 V
Insulation test voltage	0.5 kV
CTI of the printed circuit board	< 600 V
ESD classification	Severity level 4
Risk group (EN 62471:2008) for LES10	RG2 (Ethr = 1547 lx, RG1 at d = 80 cm)
Risk group (EN 62471:2008) for LES15	RG1
Risk group (EN 62471:2008) for LES17	RG1
Risk group (EN 62471:2008) for LES19	RG1
Risk group (EN 62471:2008) for LES23	RG1
Type of protection	IPO0

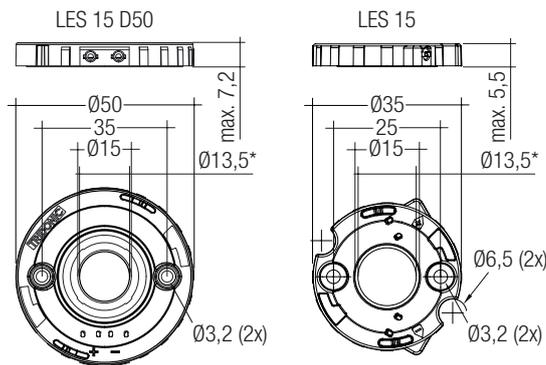
¹⁾ See derating curves in data sheet section 2.3.

²⁾ Max. DC forward current varies over the temperature of the LED module. See derating curves in data sheet section 2.3.

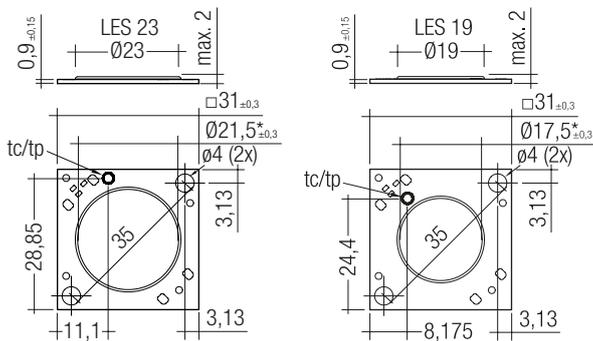
³⁾ The detailed explanation, see data sheet section 31



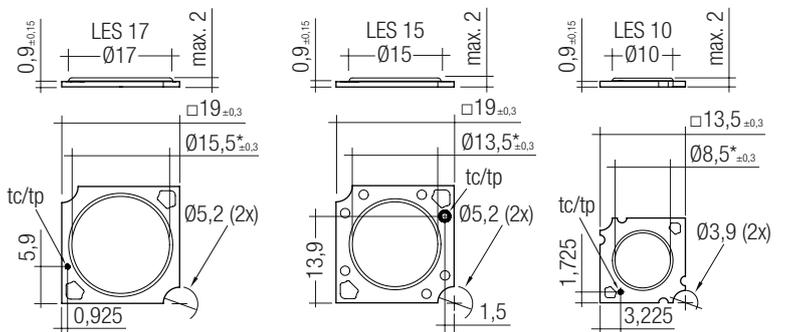
Dimensions in mm, *optical LES



Dimensions in mm, *optical LES



Dimensions in mm, *optical LES



Dimensions in mm, *optical LES

Ordering data

Type	Article number	Colour temperature	Colour rendering index CRI	Housing	Connection cable	Thermal interface material	Packaging, carton	Weight per pc.
SLE G6 10mm 1200lm 830 R ADV	28001680	3,000 K	> 80	no	no	no	36 pc(s).	0.001 kg
SLE G6 10mm 1200lm 840 R ADV	28001681	4,000 K	> 80	no	no	no	36 pc(s).	0.001 kg
SLE G6 10mm 1200lm 927 R ADV	28001805	2,700 K	> 90	no	no	no	36 pc(s).	0.001 kg
SLE G6 10mm 1200lm 930 R ADV	28001682	3,000 K	> 90	no	no	no	36 pc(s).	0.001 kg
SLE G6 10mm 1200lm 940 R ADV	28001683	4,000 K	> 90	no	no	no	36 pc(s).	0.001 kg
SLE G6 15mm 3000lm 827 R ADV	89602627	2,700 K	> 80	no	no	no	20 pc(s).	0.001 kg
SLE G6 15mm 3000lm 830 R ADV	89602628	3,000 K	> 80	no	no	no	20 pc(s).	0.001 kg
SLE G6 15mm 3000lm 835 R ADV	89602629	3,500 K	> 80	no	no	no	20 pc(s).	0.001 kg
SLE G6 15mm 3000lm 840 R ADV	89602630	4,000 K	> 80	no	no	no	20 pc(s).	0.001 kg
SLE G6 15mm 3000lm 927 R ADV	89602631	2,700 K	> 90	no	no	no	20 pc(s).	0.001 kg
SLE G6 15mm 3000lm 930 R ADV	89602632	3,000 K	> 90	no	no	no	20 pc(s).	0.001 kg
SLE G6 15mm 3000lm 935 R ADV	89602633	3,500 K	> 90	no	no	no	20 pc(s).	0.001 kg
SLE G6 15mm 3000lm 940 R ADV	89602634	4,000 K	> 90	no	no	no	20 pc(s).	0.001 kg
SLE G6 17mm 4000lm 827 R ADV	89602712	2,700 K	> 80	no	no	no	20 pc(s).	0.001 kg
SLE G6 17mm 4000lm 830 R ADV	89602713	3,000 K	> 80	no	no	no	20 pc(s).	0.001 kg
SLE G6 17mm 4000lm 835 R ADV	89602714	3,500 K	> 80	no	no	no	20 pc(s).	0.001 kg
SLE G6 17mm 4000lm 840 R ADV	89602715	4,000 K	> 80	no	no	no	20 pc(s).	0.001 kg
SLE G6 17mm 4000lm 927 R ADV	89602716	2,700 K	> 90	no	no	no	20 pc(s).	0.001 kg
SLE G6 17mm 4000lm 930 R ADV	89602717	3,000 K	> 90	no	no	no	20 pc(s).	0.001 kg
SLE G6 17mm 4000lm 935 R ADV	89602718	3,500 K	> 90	no	no	no	20 pc(s).	0.001 kg
SLE G6 17mm 4000lm 940 R ADV	89602719	4,000 K	> 90	no	no	no	20 pc(s).	0.001 kg
SLE G6 19mm 5000lm 827 R ADV	89602647	2,700 K	> 80	no	no	no	20 pc(s).	0.003 kg
SLE G6 19mm 5000lm 830 R ADV	89602648	3,000 K	> 80	no	no	no	20 pc(s).	0.003 kg
SLE G6 19mm 5000lm 835 R ADV	89602649	3,500 K	> 80	no	no	no	20 pc(s).	0.003 kg
SLE G6 19mm 5000lm 840 R ADV	89602650	4,000 K	> 80	no	no	no	20 pc(s).	0.003 kg
SLE G6 19mm 5000lm 927 R ADV	89602651	2,700 K	> 90	no	no	no	20 pc(s).	0.003 kg
SLE G6 19mm 5000lm 930 R ADV	89602652	3,000 K	> 90	no	no	no	20 pc(s).	0.003 kg
SLE G6 19mm 5000lm 935 R ADV	89602653	3,500 K	> 90	no	no	no	20 pc(s).	0.003 kg
SLE G6 19mm 5000lm 940 R ADV	89602654	4,000 K	> 90	no	no	no	20 pc(s).	0.003 kg
SLE G6 23mm 6000lm 827 R ADV	89602676	2,700 K	> 80	no	no	no	20 pc(s).	0.009 kg
SLE G6 23mm 6000lm 830 R ADV	89602677	3,000 K	> 80	no	no	no	20 pc(s).	0.009 kg
SLE G6 23mm 6000lm 835 R ADV	89602678	3,500 K	> 80	no	no	no	20 pc(s).	0.009 kg
SLE G6 23mm 6000lm 840 R ADV	89602679	4,000 K	> 80	no	no	no	20 pc(s).	0.009 kg
SLE G6 23mm 6000lm 927 R ADV	89602680	2,700 K	> 90	no	no	no	20 pc(s).	0.009 kg
SLE G6 23mm 6000lm 930 R ADV	89602681	3,000 K	> 90	no	no	no	20 pc(s).	0.009 kg
SLE G6 23mm 6000lm 935 R ADV	89602682	3,500 K	> 90	no	no	no	20 pc(s).	0.009 kg
SLE G6 23mm 6000lm 940 R ADV	89602683	4,000 K	> 90	no	no	no	20 pc(s).	0.009 kg
SLE G6 10mm 1200lm 830 C ADV	28001666	3,000 K	> 80	no	yes	no	20 pc(s).	0.001 kg
SLE G6 10mm 1200lm 840 C ADV	28001692	4,000 K	> 80	no	yes	no	20 pc(s).	0.001 kg
SLE G6 15mm 3000lm 830 C ADV	89602639	3,000 K	> 80	no	yes	no	20 pc(s).	0.004 kg
SLE G6 15mm 3000lm 840 C ADV	89602640	4,000 K	> 80	no	yes	no	20 pc(s).	0.004 kg
SLE G6 15mm 3000lm 930 C ADV	89602641	3,000 K	> 90	no	yes	no	20 pc(s).	0.004 kg
SLE G6 15mm 3000lm 940 C ADV	89602642	4,000 K	> 90	no	yes	no	20 pc(s).	0.004 kg
SLE G6 17mm 4000lm 830 C ADV	89602724	3,000 K	> 80	no	yes	no	20 pc(s).	0.004 kg
SLE G6 17mm 4000lm 840 C ADV	89602725	4,000 K	> 80	no	yes	no	20 pc(s).	0.004 kg
SLE G6 17mm 4000lm 930 C ADV	89602726	3,000 K	> 90	no	yes	no	20 pc(s).	0.004 kg
SLE G6 17mm 4000lm 940 C ADV	89602727	4,000 K	> 90	no	yes	no	20 pc(s).	0.004 kg
SLE G6 19mm 5000lm 827 C ADV	89602663	2,700 K	> 80	no	yes	no	20 pc(s).	0.008 kg
SLE G6 19mm 5000lm 830 C ADV	89602664	3,000 K	> 80	no	yes	no	20 pc(s).	0.008 kg
SLE G6 19mm 5000lm 835 C ADV	89602665	3,500 K	> 80	no	yes	no	20 pc(s).	0.008 kg
SLE G6 19mm 5000lm 840 C ADV	89602666	4,000 K	> 80	no	yes	no	20 pc(s).	0.008 kg
SLE G6 19mm 5000lm 927 C ADV	89602667	2,700 K	> 90	no	yes	no	20 pc(s).	0.008 kg
SLE G6 19mm 5000lm 930 C ADV	89602668	3,000 K	> 90	no	yes	no	20 pc(s).	0.008 kg
SLE G6 19mm 5000lm 935 C ADV	89602669	3,500 K	> 90	no	yes	no	20 pc(s).	0.008 kg
SLE G6 19mm 5000lm 940 C ADV	89602670	4,000 K	> 90	no	yes	no	20 pc(s).	0.008 kg
SLE G6 23mm 6000lm 830 C ADV	89602692	3,000 K	> 80	no	yes	no	20 pc(s).	0.008 kg
SLE G6 23mm 6000lm 835 C ADV	89602693	3,500 K	> 80	no	yes	no	20 pc(s).	0.008 kg
SLE G6 23mm 6000lm 840 C ADV	89602694	4,000 K	> 80	no	yes	no	20 pc(s).	0.008 kg
SLE G6 23mm 6000lm 930 C ADV	89602695	3,000 K	> 90	no	yes	no	20 pc(s).	0.008 kg
SLE G6 23mm 6000lm 935 C ADV	89602696	3,500 K	> 90	no	yes	no	20 pc(s).	0.008 kg
SLE G6 23mm 6000lm 940 C ADV	89602697	4,000 K	> 90	yes	yes	no	20 pc(s).	0.008 kg

Ordering data

Type	Article number	Colour temperature	Colour rendering index CRI	Housing	Connection cable	Thermal interface material	Packaging, carton	Weight per pc.
SLE G6 15mm 3000lm 830 H ADV	89602635	3,000 K	> 80	yes	no	no	50 pc(s).	0.003 kg
SLE G6 15mm 3000lm 830 H ADV D50	89602643	3,000 K	> 80	yes	no	no	50 pc(s).	0.009 kg
SLE G6 15mm 3000lm 840 H ADV	89602636	4,000 K	> 80	yes	no	no	50 pc(s).	0.003 kg
SLE G6 15mm 3000lm 840 H ADV D50	89602644	4,000 K	> 80	yes	no	no	50 pc(s).	0.009 kg
SLE G6 15mm 3000lm 930 H ADV	89602637	3,000 K	> 90	yes	no	no	50 pc(s).	0.003 kg
SLE G6 15mm 3000lm 930 H ADV D50	89602645	3,000 K	> 90	yes	no	no	50 pc(s).	0.009 kg
SLE G6 15mm 3000lm 940 H ADV	89602638	4,000 K	> 90	yes	no	no	50 pc(s).	0.003 kg
SLE G6 15mm 3000lm 940 H ADV D50	89602646	4,000 K	> 90	yes	no	no	50 pc(s).	0.009 kg
SLE G6 17mm 4000lm 830 H ADV D50	89602720	3,000 K	> 80	yes	no	no	50 pc(s).	0.003 kg
SLE G6 17mm 4000lm 840 H ADV D50	89602721	4,000 K	> 80	yes	no	no	50 pc(s).	0.003 kg
SLE G6 17mm 4000lm 930 H ADV D50	89602722	3,000 K	> 90	yes	no	no	50 pc(s).	0.003 kg
SLE G6 17mm 4000lm 940 H ADV D50	89602723	4,000 K	> 90	yes	no	no	50 pc(s).	0.003 kg
SLE G6 19mm 5000lm 827 H ADV	89602655	2,700 K	> 80	yes	no	no	50 pc(s).	0.007 kg
SLE G6 19mm 5000lm 830 H ADV	89602656	3,000 K	> 80	yes	no	no	50 pc(s).	0.007 kg
SLE G6 19mm 5000lm 835 H ADV	89602657	3,500 K	> 80	yes	no	no	50 pc(s).	0.007 kg
SLE G6 19mm 5000lm 840 H ADV	89602658	4,000 K	> 80	yes	no	no	50 pc(s).	0.007 kg
SLE G6 19mm 5000lm 927 H ADV	89602659	2,700 K	> 90	yes	no	no	50 pc(s).	0.007 kg
SLE G6 19mm 5000lm 930 H ADV	89602660	3,000 K	> 90	yes	no	no	50 pc(s).	0.007 kg
SLE G6 19mm 5000lm 935 H ADV	89602661	3,500 K	> 90	yes	no	no	50 pc(s).	0.007 kg
SLE G6 19mm 5000lm 940 H ADV	89602662	4,000 K	> 90	yes	no	no	50 pc(s).	0.007 kg
SLE G6 23mm 6000lm 827 H ADV	89602684	2,700 K	> 80	yes	no	no	50 pc(s).	0.007 kg
SLE G6 23mm 6000lm 830 H ADV	89602685	3,000 K	> 80	yes	no	no	50 pc(s).	0.007 kg
SLE G6 23mm 6000lm 835 H ADV	89602686	3,500 K	> 80	yes	no	no	50 pc(s).	0.007 kg
SLE G6 23mm 6000lm 840 H ADV	89602687	4,000 K	> 80	yes	no	no	50 pc(s).	0.007 kg
SLE G6 23mm 6000lm 927 H ADV	89602688	2,700 K	> 90	yes	no	no	50 pc(s).	0.007 kg
SLE G6 23mm 6000lm 930 H ADV	89602689	3,000 K	> 90	yes	no	no	50 pc(s).	0.007 kg
SLE G6 23mm 6000lm 935 H ADV	89602690	3,500 K	> 90	yes	no	no	50 pc(s).	0.007 kg
SLE G6 23mm 6000lm 940 H ADV	89602691	4,000 K	> 90	yes	no	no	50 pc(s).	0.007 kg
SLE G6 19mm 5000lm 830 H ADV T	89602672	3,000 K	> 80	yes	no	yes	50 pc(s).	0.007 kg
SLE G6 19mm 5000lm 840 H ADV T	89602673	4,000 K	> 80	yes	no	yes	50 pc(s).	0.007 kg
SLE G6 19mm 5000lm 930 H ADV T	89602674	3,000 K	> 90	yes	no	yes	50 pc(s).	0.007 kg
SLE G6 19mm 5000lm 940 H ADV T	89602675	4,000 K	> 90	yes	no	yes	50 pc(s).	0.007 kg
SLE G6 23mm 6000lm 830 H ADV T	89602699	3,000 K	> 80	yes	no	yes	50 pc(s).	0.007 kg
SLE G6 23mm 6000lm 840 H ADV T	89602700	4,000 K	> 80	yes	no	yes	50 pc(s).	0.007 kg
SLE G6 23mm 6000lm 930 H ADV T	89602701	3,000 K	> 90	yes	no	yes	50 pc(s).	0.007 kg
SLE G6 23mm 6000lm 940 H ADV T	89602702	4,000 K	> 90	yes	no	yes	50 pc(s).	0.007 kg

Specific technical data

Type ¹⁾	Photo-metric code	Forward current	Luminous flux at tp = 25 °C ¹⁾	Luminous flux at tp = 65 °C ¹⁾	Power consumption ¹⁾³⁾	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C ²⁾	Colour rendering index CRI
SLE 10mm 1200lm – Operating mode HE at 250 mA											
SLE G6 10mm 1200lm 830 ADV	830/359	250 mA	1,300 lm	1,220 lm	8.8 W	32.2 V	39.1 V	14.6 lm/W	13.9 lm/W	12.5 lm/W	> 80
SLE G6 10mm 1200lm 840 ADV	840/359	250 mA	1,360 lm	1,270 lm	8.8 W	32.2 V	39.1 V	15.3 lm/W	14.4 lm/W	13.0 lm/W	> 80
SLE G6 10mm 1200lm 927 ADV	927/359	250 mA	1,080 lm	1,010 lm	8.8 W	32.2 V	39.1 V	12.1 lm/W	11.5 lm/W	10.4 lm/W	> 90
SLE G6 10mm 1200lm 930 ADV	930/359	250 mA	1,100 lm	1,040 lm	8.8 W	32.2 V	39.1 V	12.4 lm/W	11.8 lm/W	10.6 lm/W	> 90
SLE G6 10mm 1200lm 940 ADV	940/359	250 mA	1,180 lm	1,110 lm	8.8 W	32.2 V	39.1 V	13.3 lm/W	12.6 lm/W	11.4 lm/W	> 90
SLE 10mm 1200lm – Operating mode NM at 350 mA											
SLE G6 10mm 1200lm 830 ADV	830/359	350 mA	1,740 lm	1,640 lm	12.7 W	33.2 V	40.3 V	13.6 lm/W	12.9 lm/W	11.6 lm/W	> 80
SLE G6 10mm 1200lm 840 ADV	840/359	350 mA	1,810 lm	1,710 lm	12.7 W	33.2 V	40.3 V	14.1 lm/W	13.5 lm/W	12.1 lm/W	> 80
SLE G6 10mm 1200lm 927 ADV	927/359	350 mA	1,440 lm	1,350 lm	12.7 W	33.2 V	40.3 V	11.2 lm/W	10.6 lm/W	9.5 lm/W	> 90
SLE G6 10mm 1200lm 930 ADV	930/359	350 mA	1,470 lm	1,390 lm	12.7 W	33.2 V	40.3 V	11.5 lm/W	10.9 lm/W	9.9 lm/W	> 90
SLE G6 10mm 1200lm 940 ADV	940/359	350 mA	1,580 lm	1,490 lm	12.7 W	33.2 V	40.3 V	12.3 lm/W	11.7 lm/W	10.6 lm/W	> 90
SLE 10mm 1200lm – Operating mode HO at 500 mA											
SLE G6 10mm 1200lm 830 ADV	830/359	500 mA	2,340 lm	2,200 lm	19.1 W	34.9 V	42.4 V	12.1 lm/W	11.5 lm/W	10.4 lm/W	> 80
SLE G6 10mm 1200lm 840 ADV	840/359	500 mA	2,440 lm	2,290 lm	19.1 W	34.9 V	42.4 V	12.6 lm/W	12.0 lm/W	10.8 lm/W	> 80
SLE G6 10mm 1200lm 927 ADV	927/359	500 mA	1,930 lm	1,820 lm	19.1 W	34.9 V	42.4 V	10.0 lm/W	9.6 lm/W	8.6 lm/W	> 90
SLE G6 10mm 1200lm 930 ADV	930/359	500 mA	1,980 lm	1,860 lm	19.1 W	34.9 V	42.4 V	10.3 lm/W	9.7 lm/W	8.8 lm/W	> 90
SLE G6 10mm 1200lm 940 ADV	940/359	500 mA	2,120 lm	1,990 lm	19.1 W	34.9 V	42.4 V	11.0 lm/W	10.4 lm/W	9.4 lm/W	> 90

¹⁾ Tolerance range for optical and electrical data: ±10 %.

²⁾ Assumed efficiency for the LED Driver is 0.9.

³⁾ All values at tp = 65 °C.

⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.

Specific technical data

Type ¹⁾	Photo-metric code	Forward current	Luminous flux at tp = 25 °C ¹⁾	Luminous flux at tp = 65 °C ¹⁾	Power consumption ¹⁾³⁾	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C ²⁾	Colour rendering index CRI
SLE 15mm 3000lm – Operating mode HE at 350 mA											
SLE G6 15mm 3000lm 827 ADV	827/359	350 mA	1,920 lm	1,800 lm	11.8 W	30.8 V	37.4 V	161 lm/W	153 lm/W	137 lm/W	> 80
SLE G6 15mm 3000lm 830 ADV	830/359	350 mA	1,970 lm	1,850 lm	11.8 W	30.8 V	37.4 V	166 lm/W	157 lm/W	141 lm/W	> 80
SLE G6 15mm 3000lm 835 ADV	835/359	350 mA	2,010 lm	1,890 lm	11.8 W	30.8 V	37.4 V	169 lm/W	160 lm/W	144 lm/W	> 80
SLE G6 15mm 3000lm 840 ADV	840/359	350 mA	2,050 lm	1,930 lm	11.8 W	30.8 V	37.4 V	172 lm/W	164 lm/W	147 lm/W	> 80
SLE G6 15mm 3000lm 927 ADV	927/359	350 mA	1,630 lm	1,530 lm	11.8 W	30.8 V	37.4 V	137 lm/W	130 lm/W	117 lm/W	> 90
SLE G6 15mm 3000lm 930 ADV	930/359	350 mA	1,670 lm	1,570 lm	11.8 W	30.8 V	37.4 V	140 lm/W	133 lm/W	120 lm/W	> 90
SLE G6 15mm 3000lm 935 ADV	935/359	350 mA	1,740 lm	1,630 lm	11.8 W	30.8 V	37.4 V	146 lm/W	138 lm/W	124 lm/W	> 90
SLE G6 15mm 3000lm 940 ADV	940/359	350 mA	1,790 lm	1,680 lm	11.8 W	30.8 V	37.4 V	150 lm/W	142 lm/W	128 lm/W	> 90
SLE 15mm 3000lm – Operating mode NM at 500 mA											
SLE G6 15mm 3000lm 827 ADV	827/359	500 mA	2,660 lm	2,500 lm	17.3 W	31.6 V	38.4 V	153 lm/W	145 lm/W	130 lm/W	> 80
SLE G6 15mm 3000lm 830 ADV	830/359	500 mA	2,730 lm	2,560 lm	17.3 W	31.6 V	38.4 V	157 lm/W	148 lm/W	133 lm/W	> 80
SLE G6 15mm 3000lm 835 ADV	835/359	500 mA	2,790 lm	2,620 lm	17.3 W	31.6 V	38.4 V	160 lm/W	151 lm/W	136 lm/W	> 80
SLE G6 15mm 3000lm 840 ADV	840/359	500 mA	2,840 lm	2,670 lm	17.3 W	31.6 V	38.4 V	163 lm/W	154 lm/W	139 lm/W	> 80
SLE G6 15mm 3000lm 927 ADV	927/359	500 mA	2,250 lm	2,120 lm	17.3 W	31.6 V	38.4 V	129 lm/W	123 lm/W	110 lm/W	> 90
SLE G6 15mm 3000lm 930 ADV	930/359	500 mA	2,310 lm	2,170 lm	17.3 W	31.6 V	38.4 V	133 lm/W	125 lm/W	113 lm/W	> 90
SLE G6 15mm 3000lm 935 ADV	935/359	500 mA	2,410 lm	2,270 lm	17.3 W	31.6 V	38.4 V	139 lm/W	131 lm/W	118 lm/W	> 90
SLE G6 15mm 3000lm 940 ADV	940/359	500 mA	2,480 lm	2,330 lm	17.3 W	31.6 V	38.4 V	143 lm/W	135 lm/W	121 lm/W	> 90
SLE 15mm 3000lm – Operating mode HO at 900 mA											
SLE G6 15mm 3000lm 827 ADV	827/359	900 mA	4,410 lm	4,150 lm	33.1 W	33.7 V	40.9 V	132 lm/W	125 lm/W	113 lm/W	> 80
SLE G6 15mm 3000lm 830 ADV	830/359	900 mA	4,530 lm	4,250 lm	33.1 W	33.7 V	40.9 V	135 lm/W	128 lm/W	116 lm/W	> 80
SLE G6 15mm 3000lm 835 ADV	835/359	900 mA	4,620 lm	4,340 lm	33.1 W	33.7 V	40.9 V	138 lm/W	131 lm/W	118 lm/W	> 80
SLE G6 15mm 3000lm 840 ADV	840/359	900 mA	4,720 lm	4,440 lm	33.1 W	33.7 V	40.9 V	141 lm/W	134 lm/W	121 lm/W	> 80
SLE G6 15mm 3000lm 927 ADV	927/359	900 mA	3,740 lm	3,520 lm	33.1 W	33.7 V	40.9 V	112 lm/W	106 lm/W	96 lm/W	> 90
SLE G6 15mm 3000lm 930 ADV	930/359	900 mA	3,830 lm	3,600 lm	33.1 W	33.7 V	40.9 V	114 lm/W	109 lm/W	98 lm/W	> 90
SLE G6 15mm 3000lm 935 ADV	935/359	900 mA	4,000 lm	3,760 lm	33.1 W	33.7 V	40.9 V	119 lm/W	114 lm/W	102 lm/W	> 90
SLE G6 15mm 3000lm 940 ADV	940/359	900 mA	4,110 lm	3,860 lm	33.1 W	33.7 V	40.9 V	123 lm/W	117 lm/W	105 lm/W	> 90
SLE 17mm 4000lm – Operating mode HE at 500 mA											
SLE G6 17mm 4000lm 827 ADV	827/359	500 mA	2,690 lm	2,530 lm	17.0 W	31.1 V	37.7 V	156 lm/W	149 lm/W	134 lm/W	> 80
SLE G6 17mm 4000lm 830 ADV	830/359	500 mA	2,760 lm	2,600 lm	17.0 W	31.1 V	37.7 V	160 lm/W	153 lm/W	138 lm/W	> 80
SLE G6 17mm 4000lm 835 ADV	835/359	500 mA	2,820 lm	2,650 lm	17.0 W	31.1 V	37.7 V	164 lm/W	156 lm/W	140 lm/W	> 80
SLE G6 17mm 4000lm 840 ADV	840/359	500 mA	2,880 lm	2,710 lm	17.0 W	31.1 V	37.7 V	167 lm/W	159 lm/W	143 lm/W	> 80
SLE G6 17mm 4000lm 927 ADV	927/359	500 mA	2,280 lm	2,150 lm	17.0 W	31.1 V	37.7 V	133 lm/W	126 lm/W	114 lm/W	> 90
SLE G6 17mm 4000lm 930 ADV	930/359	500 mA	2,340 lm	2,200 lm	17.0 W	31.1 V	37.7 V	136 lm/W	129 lm/W	116 lm/W	> 90
SLE G6 17mm 4000lm 935 ADV	935/359	500 mA	2,440 lm	2,290 lm	17.0 W	31.1 V	37.7 V	142 lm/W	135 lm/W	121 lm/W	> 90
SLE G6 17mm 4000lm 940 ADV	940/359	500 mA	2,510 lm	2,360 lm	17.0 W	31.1 V	37.7 V	146 lm/W	139 lm/W	125 lm/W	> 90
SLE 17mm 4000lm – Operating mode NM at 900 mA											
SLE G6 17mm 4000lm 827 ADV	827/359	900 mA	4,550 lm	4,280 lm	32.4 W	32.9 V	40.0 V	139 lm/W	132 lm/W	119 lm/W	> 80
SLE G6 17mm 4000lm 830 ADV	830/359	900 mA	4,670 lm	4,390 lm	32.4 W	32.9 V	40.0 V	143 lm/W	135 lm/W	122 lm/W	> 80
SLE G6 17mm 4000lm 835 ADV	835/359	900 mA	4,770 lm	4,480 lm	32.4 W	32.9 V	40.0 V	146 lm/W	138 lm/W	124 lm/W	> 80
SLE G6 17mm 4000lm 840 ADV	840/359	900 mA	4,870 lm	4,580 lm	32.4 W	32.9 V	40.0 V	149 lm/W	141 lm/W	127 lm/W	> 80
SLE G6 17mm 4000lm 927 ADV	927/359	900 mA	3,860 lm	3,630 lm	32.4 W	32.9 V	40.0 V	118 lm/W	112 lm/W	101 lm/W	> 90
SLE G6 17mm 4000lm 930 ADV	930/359	900 mA	3,960 lm	3,720 lm	32.4 W	32.9 V	40.0 V	121 lm/W	115 lm/W	103 lm/W	> 90
SLE G6 17mm 4000lm 935 ADV	935/359	900 mA	4,130 lm	3,880 lm	32.4 W	32.9 V	40.0 V	126 lm/W	120 lm/W	108 lm/W	> 90
SLE G6 17mm 4000lm 940 ADV	940/359	900 mA	4,240 lm	3,990 lm	32.4 W	32.9 V	40.0 V	130 lm/W	123 lm/W	111 lm/W	> 90
SLE 17mm 4000lm – Operating mode HO at 1,200 mA											
SLE G6 17mm 4000lm 827 ADV	827/359	1,200 mA	5,770 lm	5,430 lm	44.9 W	34.2 V	41.6 V	127 lm/W	121 lm/W	109 lm/W	> 80
SLE G6 17mm 4000lm 830 ADV	830/359	1,200 mA	5,920 lm	5,570 lm	44.9 W	34.2 V	41.6 V	130 lm/W	124 lm/W	112 lm/W	> 80
SLE G6 17mm 4000lm 835 ADV	835/359	1,200 mA	6,050 lm	5,690 lm	44.9 W	34.2 V	41.6 V	133 lm/W	127 lm/W	114 lm/W	> 80
SLE G6 17mm 4000lm 840 ADV	840/359	1,200 mA	6,170 lm	5,800 lm	44.9 W	34.2 V	41.6 V	136 lm/W	129 lm/W	116 lm/W	> 80
SLE G6 17mm 4000lm 927 ADV	927/359	1,200 mA	4,900 lm	4,600 lm	44.9 W	34.2 V	41.6 V	108 lm/W	102 lm/W	92 lm/W	> 90
SLE G6 17mm 4000lm 930 ADV	930/359	1,200 mA	5,020 lm	4,720 lm	44.9 W	34.2 V	41.6 V	111 lm/W	105 lm/W	95 lm/W	> 90
SLE G6 17mm 4000lm 935 ADV	935/359	1,200 mA	5,230 lm	4,920 lm	44.9 W	34.2 V	41.6 V	115 lm/W	110 lm/W	99 lm/W	> 90
SLE G6 17mm 4000lm 940 ADV	940/359	1,200 mA	5,380 lm	5,060 lm	44.9 W	34.2 V	41.6 V	119 lm/W	113 lm/W	101 lm/W	> 90

¹⁾ Tolerance range for optical and electrical data: ±10 %.

²⁾ Assumed efficiency for the LED Driver is 0.9.

³⁾ All values at tp = 65 °C.

⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.

Specific technical data

Type ¹⁾	Photo-metric code	Forward current	Luminous flux at tp = 25 °C ¹⁾	Luminous flux at tp = 65 °C ¹⁾	Power consumption ¹⁾²⁾	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C ²⁾	Colour rendering index CRI
SLE 19mm 5000lm – Operating mode HE at 500 mA											
SLE G6 19mm 5000lm 827 ADV	827/359	500 mA	2,820 lm	2,650 lm	16.8 W	30.7 V	37.3 V	166 lm/W	158 lm/W	142 lm/W	> 80
SLE G6 19mm 5000lm 830 ADV	830/359	500 mA	2,890 lm	2,720 lm	16.8 W	30.7 V	37.3 V	170 lm/W	162 lm/W	146 lm/W	> 80
SLE G6 19mm 5000lm 835 ADV	835/359	500 mA	2,950 lm	2,770 lm	16.8 W	30.7 V	37.3 V	174 lm/W	165 lm/W	148 lm/W	> 80
SLE G6 19mm 5000lm 840 ADV	840/359	500 mA	3,010 lm	2,830 lm	16.8 W	30.7 V	37.3 V	177 lm/W	168 lm/W	152 lm/W	> 80
SLE G6 19mm 5000lm 927 ADV	927/359	500 mA	2,390 lm	2,240 lm	16.8 W	30.7 V	37.3 V	141 lm/W	133 lm/W	120 lm/W	> 90
SLE G6 19mm 5000lm 930 ADV	930/359	500 mA	2,450 lm	2,300 lm	16.8 W	30.7 V	37.3 V	144 lm/W	137 lm/W	123 lm/W	> 90
SLE G6 19mm 5000lm 935 ADV	935/359	500 mA	2,550 lm	2,400 lm	16.8 W	30.7 V	37.3 V	150 lm/W	143 lm/W	129 lm/W	> 90
SLE G6 19mm 5000lm 940 ADV	940/359	500 mA	2,620 lm	2,470 lm	16.8 W	30.7 V	37.3 V	154 lm/W	147 lm/W	132 lm/W	> 90
SLE 19mm 5000lm – Operating mode NM at 1,050 mA											
SLE G6 19mm 5000lm 827 ADV	827/359	1,050 mA	5,470 lm	5,150 lm	37.8 W	33.0 V	40.1 V	143 lm/W	136 lm/W	123 lm/W	> 80
SLE G6 19mm 5000lm 830 ADV	830/359	1,050 mA	5,620 lm	5,280 lm	37.8 W	33.0 V	40.1 V	147 lm/W	140 lm/W	126 lm/W	> 80
SLE G6 19mm 5000lm 835 ADV	835/359	1,050 mA	5,730 lm	5,390 lm	37.8 W	33.0 V	40.1 V	150 lm/W	143 lm/W	128 lm/W	> 80
SLE G6 19mm 5000lm 840 ADV	840/359	1,050 mA	5,850 lm	5,500 lm	37.8 W	33.0 V	40.1 V	153 lm/W	146 lm/W	131 lm/W	> 80
SLE G6 19mm 5000lm 927 ADV	927/359	1,050 mA	4,640 lm	4,360 lm	37.8 W	33.0 V	40.1 V	121 lm/W	115 lm/W	104 lm/W	> 90
SLE G6 19mm 5000lm 930 ADV	930/359	1,050 mA	4,760 lm	4,470 lm	37.8 W	33.0 V	40.1 V	125 lm/W	118 lm/W	106 lm/W	> 90
SLE G6 19mm 5000lm 935 ADV	935/359	1,050 mA	4,960 lm	4,660 lm	37.8 W	33.0 V	40.1 V	130 lm/W	123 lm/W	111 lm/W	> 90
SLE G6 19mm 5000lm 940 ADV	940/359	1,050 mA	5,100 lm	4,790 lm	37.8 W	33.0 V	40.1 V	134 lm/W	127 lm/W	114 lm/W	> 90
SLE 19mm 5000lm – Operating mode HO at 1,400 mA											
SLE G6 19mm 5000lm 827 ADV	827/359	1,400 mA	6,950 lm	6,530 lm	52.5 W	34.3 V	41.7 V	131 lm/W	124 lm/W	112 lm/W	> 80
SLE G6 19mm 5000lm 830 ADV	830/359	1,400 mA	7,130 lm	6,700 lm	52.5 W	34.3 V	41.7 V	135 lm/W	128 lm/W	115 lm/W	> 80
SLE G6 19mm 5000lm 835 ADV	835/359	1,400 mA	7,280 lm	6,840 lm	52.5 W	34.3 V	41.7 V	137 lm/W	130 lm/W	117 lm/W	> 80
SLE G6 19mm 5000lm 840 ADV	840/359	1,400 mA	7,430 lm	6,980 lm	52.5 W	34.3 V	41.7 V	140 lm/W	133 lm/W	120 lm/W	> 80
SLE G6 19mm 5000lm 927 ADV	927/359	1,400 mA	5,890 lm	5,540 lm	52.5 W	34.3 V	41.7 V	111 lm/W	106 lm/W	95 lm/W	> 90
SLE G6 19mm 5000lm 930 ADV	930/359	1,400 mA	6,040 lm	5,670 lm	52.5 W	34.3 V	41.7 V	114 lm/W	108 lm/W	97 lm/W	> 90
SLE G6 19mm 5000lm 935 ADV	935/359	1,400 mA	6,300 lm	5,920 lm	52.5 W	34.3 V	41.7 V	119 lm/W	113 lm/W	101 lm/W	> 90
SLE G6 19mm 5000lm 940 ADV	940/359	1,400 mA	6,470 lm	6,080 lm	52.5 W	34.3 V	41.7 V	122 lm/W	116 lm/W	104 lm/W	> 90
SLE 23mm 6000lm – Operating mode HE at 700 mA											
SLE G6 23mm 6000lm 827 ADV	827/359	700 mA	3,980 lm	3,740 lm	23.4 W	30.6 V	37.2 V	168 lm/W	160 lm/W	144 lm/W	> 80
SLE G6 23mm 6000lm 830 ADV	830/359	700 mA	4,080 lm	3,840 lm	23.4 W	30.6 V	37.2 V	172 lm/W	164 lm/W	148 lm/W	> 80
SLE G6 23mm 6000lm 835 ADV	835/359	700 mA	4,170 lm	3,920 lm	23.4 W	30.6 V	37.2 V	176 lm/W	168 lm/W	151 lm/W	> 80
SLE G6 23mm 6000lm 840 ADV	840/359	700 mA	4,260 lm	4,000 lm	23.4 W	30.6 V	37.2 V	180 lm/W	171 lm/W	154 lm/W	> 80
SLE G6 23mm 6000lm 927 ADV	927/359	700 mA	3,380 lm	3,170 lm	23.4 W	30.6 V	37.2 V	143 lm/W	135 lm/W	122 lm/W	> 90
SLE G6 23mm 6000lm 930 ADV	930/359	700 mA	3,460 lm	3,520 lm	23.4 W	30.6 V	37.2 V	146 lm/W	139 lm/W	125 lm/W	> 90
SLE G6 23mm 6000lm 935 ADV	935/359	700 mA	3,610 lm	3,390 lm	23.4 W	30.6 V	37.2 V	152 lm/W	145 lm/W	130 lm/W	> 90
SLE G6 23mm 6000lm 940 ADV	940/359	700 mA	3,710 lm	3,490 lm	23.4 W	30.6 V	37.2 V	157 lm/W	149 lm/W	134 lm/W	> 90
SLE 23mm 6000lm – Operating mode NM at 1,400 mA											
SLE G6 23mm 6000lm 827 ADV	827/359	1,400 mA	7,380 lm	6,940 lm	49.9 W	32.6 V	39.6 V	146 lm/W	139 lm/W	125 lm/W	> 80
SLE G6 23mm 6000lm 830 ADV	830/359	1,400 mA	7,570 lm	7,120 lm	49.9 W	32.6 V	39.6 V	150 lm/W	143 lm/W	128 lm/W	> 80
SLE G6 23mm 6000lm 835 ADV	835/359	1,400 mA	7,730 lm	7,270 lm	49.9 W	32.6 V	39.6 V	153 lm/W	146 lm/W	131 lm/W	> 80
SLE G6 23mm 6000lm 840 ADV	840/359	1,400 mA	7,890 lm	7,420 lm	49.9 W	32.6 V	39.6 V	157 lm/W	149 lm/W	134 lm/W	> 80
SLE G6 23mm 6000lm 927 ADV	927/359	1,400 mA	6,260 lm	5,880 lm	49.9 W	32.6 V	39.6 V	124 lm/W	118 lm/W	106 lm/W	> 90
SLE G6 23mm 6000lm 930 ADV	930/359	1,400 mA	6,410 lm	6,030 lm	49.9 W	32.6 V	39.6 V	127 lm/W	121 lm/W	109 lm/W	> 90
SLE G6 23mm 6000lm 935 ADV	935/359	1,400 mA	6,690 lm	6,290 lm	49.9 W	32.6 V	39.6 V	133 lm/W	126 lm/W	113 lm/W	> 90
SLE G6 23mm 6000lm 940 ADV	940/359	1,400 mA	6,880 lm	6,460 lm	49.9 W	32.6 V	39.6 V	137 lm/W	129 lm/W	117 lm/W	> 90
SLE 23mm 6000lm – Operating mode HO at 2,000 mA											
SLE G6 23mm 6000lm 827 ADV	827/359	2,000 mA	9,910 lm	9,320 lm	74.8 W	34.2 V	41.6 V	131 lm/W	125 lm/W	112 lm/W	> 80
SLE G6 23mm 6000lm 830 ADV	830/359	2,000 mA	10,160 lm	9,550 lm	74.8 W	34.2 V	41.6 V	134 lm/W	128 lm/W	115 lm/W	> 80
SLE G6 23mm 6000lm 835 ADV	835/359	2,000 mA	10,380 lm	9,760 lm	74.8 W	34.2 V	41.6 V	137 lm/W	130 lm/W	117 lm/W	> 80
SLE G6 23mm 6000lm 840 ADV	840/359	2,000 mA	10,600 lm	9,960 lm	74.8 W	34.2 V	41.6 V	140 lm/W	133 lm/W	120 lm/W	> 80
SLE G6 23mm 6000lm 927 ADV	927/359	2,000 mA	8,400 lm	7,900 lm	74.8 W	34.2 V	41.6 V	111 lm/W	106 lm/W	95 lm/W	> 90
SLE G6 23mm 6000lm 930 ADV	930/359	2,000 mA	8,610 lm	8,090 lm	74.8 W	34.2 V	41.6 V	114 lm/W	108 lm/W	97 lm/W	> 90
SLE G6 23mm 6000lm 935 ADV	935/359	2,000 mA	8,980 lm	8,440 lm	74.8 W	34.2 V	41.6 V	119 lm/W	113 lm/W	102 lm/W	> 90
SLE G6 23mm 6000lm 940 ADV	940/359	2,000 mA	9,230 lm	8,680 lm	74.8 W	34.2 V	41.6 V	122 lm/W	116 lm/W	104 lm/W	> 90

¹⁾ Tolerance range for optical and electrical data: ±10 %.

²⁾ Assumed efficiency for the LED Driver is 0.9.

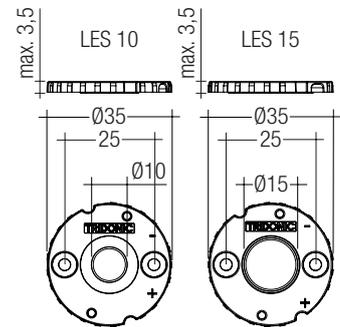
³⁾ All values at tp = 65 °C.

⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.

SLE housing for LES 10 / LES 15

Product description

- Housing for LES 10 / LES 15
- Diameter: 35 mm
- Material: Lexan Resin 943



Ordering data

Type	Article number	Packaging, bag	Weight per pc.
SLE housing for LES 10	28001038	100 pc(s).	0.002 kg
SLE housing for LES 15	28001039	100 pc(s).	0.002 kg



Module SLE G6 SNC

Module SLE ESSENCE

Product description

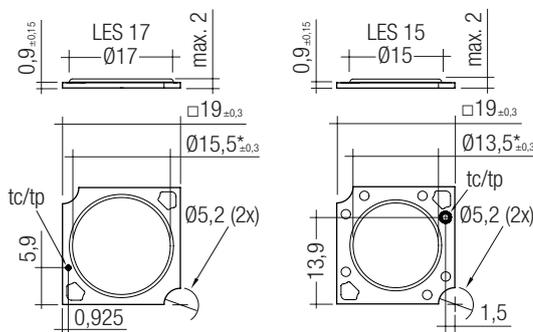
- For spotlights and downlights
 - Luminous flux up to 5,530 lm at $t_p = 65\text{ °C}$
 - High efficacy up to 160 lm/W for the LED module at $t_p = 25\text{ °C}$
 - High system efficacy up to 136 lm/W at $t_p = 65\text{ °C}$
 - High colour consistency (MacAdam 3)
 - Small LES (light emitting surface) diameter enables small beam angle for spotlights
 - Excellent thermal management by COB technology
 - Uniform radiation with Dam&Fill technology
 - Fixing holes for M3 screws
 - Integrated LED module
 - Cooling required
 - Flexible operating modes
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



LES17



LES15LES19 + LES23 with housing



Dimensions in mm, *optical LES

Technical data

Beam characteristic	115°
Ambient temperature range	-25 ... +50 °C
t_p rated	65 °C
t_c ¹⁾	Up to 100 °C
Max. allowed Silicon temperature	150 °C
I _{rated} for LES15	500 mA
I _{rated} for LES17	900 mA
I _{max} for LES15	900 mA
I _{max} for LES17	1,200 mA
Max. DC forward current for LES15 ²⁾	1,200 mA
Max. DC forward current for LES17 ²⁾	1,440 mA
Max. permissible LF current ripple for LES15	1,200 mA
Max. permissible LF current ripple for LES17	1,440 mA
Max. permissible peak current for LES15	1,800 mA / max. 8 ms
Max. permissible peak current for LES17	2,160 mA / max. 8 ms
Max. working voltage for insulation for LES15 ³⁾	50 V
Max. working voltage for insulation for LES17 ³⁾	50 V
Insulation test voltage for LES15	0.5 kV
Insulation test voltage for LES17	0.5 kV
CTI of the printed circuit board	< 600 V
ESD classification	Severity level 4
Risk group (EN 62471:2008) for LES15	RG1
Risk group (EN 62471:2008) for LES17	RG1
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Colour rendering index CRI	Connection cable	Packaging, carton	Weight per pc.
SLE G6 15mm 3000lm 830 R SNC	28001684	3,000 K	> 80	no	25 pc(s).	0.001 kg
SLE G6 15mm 3000lm 840 R SNC	28001685	4,000 K	> 80	no	25 pc(s).	0.001 kg
SLE G6 15mm 3000lm 930 R SNC	28001686	3,000 K	> 90	no	25 pc(s).	0.001 kg
SLE G6 15mm 3000lm 940 R SNC	28001687	4,000 K	> 90	no	25 pc(s).	0.001 kg
SLE G6 17mm 4000lm 830 R SNC	28001688	3,000 K	> 80	no	25 pc(s).	0.001 kg
SLE G6 17mm 4000lm 840 R SNC	28001689	4,000 K	> 80	no	25 pc(s).	0.001 kg
SLE G6 17mm 4000lm 930 R SNC	28001690	3,000 K	> 90	no	25 pc(s).	0.001 kg
SLE G6 17mm 4000lm 940 R SNC	28001691	4,000 K	> 90	no	25 pc(s).	0.001 kg



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type ⁷⁾	Photo-metric code	Forward current	Luminous flux at tp = 25 °C ⁴⁾	Luminous flux at tp = 65 °C ⁴⁾	Power consumption ⁴⁾⁴⁾	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C ⁵⁾	Colour rendering index CRI
SLE 15mm 3000lm – Operating mode HE at 350 mA											
SLE G6 15mm 3000lm 830 SNC	830/359	350 mA	1,890 lm	1,780 lm	12.2 W	31.8 V	38.6 V	154 lm/W	146 lm/W	131 lm/W	> 80
SLE G6 15mm 3000lm 840 SNC	840/359	350 mA	1,970 lm	1,850 lm	12.2 W	31.8 V	38.6 V	160 lm/W	152 lm/W	136 lm/W	> 80
SLE G6 15mm 3000lm 930 SNC	930/359	350 mA	1,600 lm	1,510 lm	12.2 W	31.8 V	38.6 V	130 lm/W	124 lm/W	111 lm/W	> 90
SLE G6 15mm 3000lm 940 SNC	940/359	350 mA	1,720 lm	1,610 lm	12.2 W	31.8 V	38.6 V	140 lm/W	132 lm/W	119 lm/W	> 90
SLE 15mm 3000lm – Operating mode NM at 500 mA											
SLE G6 15mm 3000lm 830 SNC	830/359	500 mA	2,590 lm	2,440 lm	17.8 W	32.7 V	39.7 V	144 lm/W	137 lm/W	123 lm/W	> 80
SLE G6 15mm 3000lm 840 SNC	840/359	500 mA	2,700 lm	2,540 lm	17.8 W	32.7 V	39.7 V	150 lm/W	143 lm/W	128 lm/W	> 80
SLE G6 15mm 3000lm 930 SNC	930/359	500 mA	2,200 lm	2,070 lm	17.8 W	32.7 V	39.7 V	122 lm/W	116 lm/W	105 lm/W	> 90
SLE G6 15mm 3000lm 940 SNC	940/359	500 mA	2,360 lm	2,210 lm	17.8 W	32.7 V	39.7 V	131 lm/W	124 lm/W	112 lm/W	> 90
SLE 15mm 3000lm – Operating mode HO at 900 mA											
SLE G6 15mm 3000lm 830 SNC	830/359	900 mA	4,250 lm	4,000 lm	34.8 W	35.4 V	43.0 V	121 lm/W	115 lm/W	103 lm/W	> 80
SLE G6 15mm 3000lm 840 SNC	840/359	900 mA	4,430 lm	4,170 lm	34.8 W	35.4 V	43.0 V	126 lm/W	120 lm/W	108 lm/W	> 80
SLE G6 15mm 3000lm 930 SNC	930/359	900 mA	3,600 lm	3,390 lm	34.8 W	35.4 V	43.0 V	102 lm/W	97 lm/W	88 lm/W	> 90
SLE G6 15mm 3000lm 940 SNC	940/359	900 mA	3,860 lm	3,630 lm	34.8 W	35.4 V	43.0 V	110 lm/W	104 lm/W	94 lm/W	> 90
SLE 17mm 4000lm – Operating mode HE at 500 mA											
SLE G6 17mm 4000lm 830 SNC	830/359	500 mA	2,690 lm	2,530 lm	17.4 W	31.8 V	38.7 V	153 lm/W	145 lm/W	131 lm/W	> 80
SLE G6 17mm 4000lm 840 SNC	840/359	500 mA	2,800 lm	2,630 lm	17.4 W	31.8 V	38.7 V	159 lm/W	151 lm/W	136 lm/W	> 80
SLE G6 17mm 4000lm 930 SNC	930/359	500 mA	2,280 lm	2,140 lm	17.4 W	31.8 V	38.7 V	130 lm/W	123 lm/W	111 lm/W	> 90
SLE G6 17mm 4000lm 940 SNC	940/359	500 mA	2,440 lm	2,290 lm	17.4 W	31.8 V	38.7 V	139 lm/W	132 lm/W	118 lm/W	> 90
SLE 17mm 4000lm – Operating mode NM at 900 mA											
SLE G6 17mm 4000lm 830 SNC	830/359	900 mA	4,480 lm	4,210 lm	33.5 W	34.1 V	41.4 V	132 lm/W	126 lm/W	113 lm/W	> 80
SLE G6 17mm 4000lm 840 SNC	840/359	900 mA	4,670 lm	4,390 lm	33.5 W	34.1 V	41.4 V	138 lm/W	131 lm/W	118 lm/W	> 80
SLE G6 17mm 4000lm 930 SNC	930/359	900 mA	3,790 lm	3,570 lm	33.5 W	34.1 V	41.4 V	112 lm/W	107 lm/W	96 lm/W	> 90
SLE G6 17mm 4000lm 940 SNC	940/359	900 mA	4,070 lm	3,820 lm	33.5 W	34.1 V	41.4 V	120 lm/W	114 lm/W	103 lm/W	> 90
SLE 17mm 4000lm – Operating mode HO at 1,200 mA											
SLE G6 17mm 4000lm 830 SNC	830/359	1,200 mA	5,640 lm	5,300 lm	46.8 W	35.7 V	43.4 V	119 lm/W	113 lm/W	102 lm/W	> 80
SLE G6 17mm 4000lm 840 SNC	840/359	1,200 mA	5,880 lm	5,530 lm	46.8 W	35.7 V	43.4 V	124 lm/W	118 lm/W	106 lm/W	> 80
SLE G6 17mm 4000lm 930 SNC	930/359	1,200 mA	4,780 lm	4,490 lm	46.8 W	35.7 V	43.4 V	101 lm/W	96 lm/W	86 lm/W	> 90
SLE G6 17mm 4000lm 940 SNC	940/359	1,200 mA	5,120 lm	4,820 lm	46.8 W	35.7 V	43.4 V	108 lm/W	103 lm/W	93 lm/W	> 90

¹⁾ See derating curves in data sheet section 2.3.

²⁾ Max. DC forward current varies over the temperature of the LED module. See derating curves in data sheet section 2.3.

³⁾ The detailed explanation, see data sheet section 3.1.

⁴⁾ Tolerance range for optical and electrical data: ±10 %.

⁵⁾ Assumed efficiency for the LED Driver is 0.9.

⁶⁾ All values at tp = 65 °C.

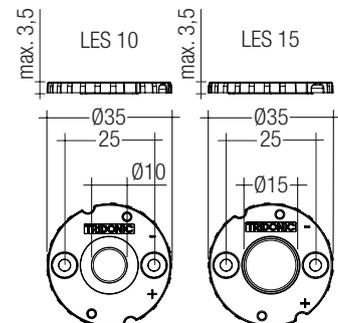
⁷⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.

ACCES-
SORIES

SLE housing for LES 15

Product description

- Housing for LES 15
- Diameter: 35 mm
- Material: Lexan Resin 943



Ordering data

Type	Article number	Packaging, bag	Weight per pc.
SLE housing for LES 15	28001039	100 pc(s).	0.002 kg



Module DLE G4 ADV
Module DLE ADVANCED

Product description

- For downlights
- Luminous flux up to 6,350 lm at $t_p = 65^\circ\text{C}$
- High efficacy up to 185 lm/W for the LED module at $t_p = 25^\circ\text{C}$
- High system efficacy up to 158 lm/W at $t_p = 65^\circ\text{C}$
- High colour consistency (MacAdam 3)
- Safety glass for 5,000 lm version
- Fixing holes for M3 screws
- Built-in LED module
- Cooling required
- Flexible operating mode

→ For product data sheet go to www.tridonic.com,
or available on request

Technical data

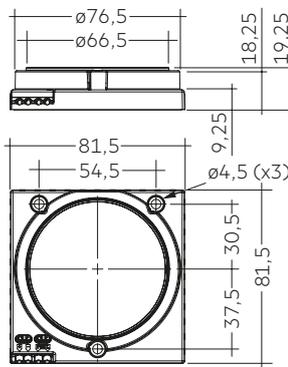
Beam characteristic with housing	100°
Beam characteristic without housing	116°
Ambient temperature range	-20 ... +45 °C
t_p rated	65 °C
t_c	up to 85 °C
Irated for 2,000 lm	500 mA
Irated for 3,000 lm with housing	550 mA
Irated for 3,000 lm without housing	550 mA
Irated for 5,000 lm with housing	550 mA
I_{max} for 2,000 lm	935 mA
I_{max} for 3,000 lm with housing	700 mA
I_{max} for 3,000 lm without housing	1,290 mA
I_{max} for 5,000 lm with housing	1,290 mA
Max. permissible LF current ripple for 2,000 lm	1,030 mA
Max. permissible LF current ripple for 3,000 lm with housing	770 mA
Max. permissible LF current ripple for 3,000 lm without housing	1,420 mA
Max. permissible LF current ripple for 5,000 lm with housing	1,420 mA
Max. permissible peak current for 2,000 lm	2,400 mA / max. 5 ms
Max. permissible peak current for 3,000 lm with housing	2,700 mA / max. 5 ms
Max. permissible peak current for 3,000 lm without housing	2,700 mA / max. 5 ms
Max. permissible peak current for 5,000 lm with housing	2,700 mA / max. 5 ms
Max. working voltage for insulation SELV ¹⁾	60 V
Insulation test voltage	0.5 kV
ESD classification	Severity level 1
Risk group (EN 62471:2008)	RG1
Type of protection	IP00



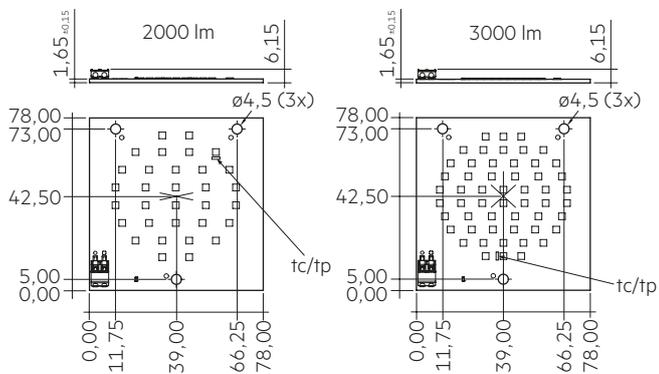
With housing



Without housing



With housing (t_c/t_p position same as without housing) – Dimensions in mm



Without housing – Dimensions in mm

Ordering data

Type	Article number	Colour temperature	Housing	Packaging, carton	Weight per pc.
DLE G4 65mm 2000lm 830 R ADV	89602870	3,000 K	No	24 pc(s).	0.029 kg
DLE G4 65mm 2000lm 840 R ADV	89602871	4,000 K	No	24 pc(s).	0.029 kg
DLE G4 65mm 3000lm 830 R ADV	89602872	3,000 K	No	24 pc(s).	0.029 kg
DLE G4 65mm 3000lm 840 R ADV	89602873	4,000 K	No	24 pc(s).	0.029 kg
DLE G4 65mm 2000lm 830 H ADV	89602874	3,000 K	Yes	10 pc(s).	0.060 kg
DLE G4 65mm 2000lm 840 H ADV	89602875	4,000 K	Yes	10 pc(s).	0.060 kg
DLE G4 65mm 3000lm 830 H ADV	89602876	3,000 K	Yes	10 pc(s).	0.060 kg
DLE G4 65mm 3000lm 840 H ADV	89602877	4,000 K	Yes	10 pc(s).	0.060 kg
DLE G4 65mm 5000lm 830 H ADV	89603014	3,000 K	Yes	10 pc(s).	0.075 kg
DLE G4 65mm 5000lm 840 H ADV	89603015	4,000 K	Yes	10 pc(s).	0.075 kg



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type ¹⁾	Photo-metric code	Forward current	Luminous flux at tp = 25 °C ²⁾	Luminous flux at tp = 65 °C ²⁾	Power consumption module ²⁾	Min. forward voltage module at tp = 65 °C	Max. forward voltage module at tp = 25 °C	Luminous efficacy module at tp = 25 °C ²⁾	Luminous efficacy module at tp = 65 °C ²⁾	Luminous efficacy system at tp = 65 °C ²⁾⁴⁾	Colour rendering index CRI
DLE G4 65mm 2000lm – Module without housing – Operating mode HE											
DLE G4 65mm 2000lm 830 R ADV	830/359	400 mA	1,580 lm	1,470 lm	8.9 W	21.2 V	22.9 V	174 lm/W	164 lm/W	148 lm/W	80
DLE G4 65mm 2000lm 840 R ADV	840/359	350 mA	1,470 lm	1,360 lm	7.8 W	21.1 V	22.8 V	185 lm/W	175 lm/W	158 lm/W	80
DLE G4 65mm 2000lm – Module without housing – Operating mode NM											
DLE G4 65mm 2000lm 830 R ADV	830/359	500 mA	1,960 lm	1,820 lm	11.3 W	21.5 V	23.2 V	170 lm/W	161 lm/W	145 lm/W	80
DLE G4 65mm 2000lm 840 R ADV	840/359	500 mA	2,070 lm	1,920 lm	11.3 W	21.5 V	23.2 V	179 lm/W	169 lm/W	152 lm/W	80
DLE G4 65mm 2000lm – Module without housing – Operating mode HO											
DLE G4 65mm 2000lm 830 R ADV	830/359	700 mA	2,680 lm	2,480 lm	16.2 W	22.1 V	23.8 V	163 lm/W	154 lm/W	139 lm/W	80
DLE G4 65mm 2000lm 840 R ADV	840/359	650 mA	2,640 lm	2,440 lm	14.9 W	21.9 V	23.7 V	172 lm/W	163 lm/W	147 lm/W	80
DLE G4 65mm 3000lm – Module without housing – Operating mode HE											
DLE G4 65mm 3000lm 830 R ADV	830/359	450 mA	2,670 lm	2,480 lm	15.0 W	31.9 V	34.4 V	174 lm/W	165 lm/W	149 lm/W	80
DLE G4 65mm 3000lm 840 R ADV	840/359	450 mA	2,820 lm	2,620 lm	15.0 W	31.9 V	34.4 V	183 lm/W	173 lm/W	156 lm/W	80
DLE G4 65mm 3000lm – Module without housing – Operating mode NM											
DLE G4 65mm 3000lm 830 R ADV	830/359	550 mA	3,250 lm	3,010 lm	18.5 W	32.2 V	34.8 V	170 lm/W	161 lm/W	145 lm/W	80
DLE G4 65mm 3000lm 840 R ADV	840/359	550 mA	3,430 lm	3,180 lm	18.5 W	32.2 V	34.8 V	179 lm/W	170 lm/W	153 lm/W	80
DLE G4 65mm 3000lm – Module without housing – Operating mode HO											
DLE G4 65mm 3000lm 830 R ADV	830/359	650 mA	3,790 lm	3,510 lm	22.2 W	32.6 V	35.2 V	166 lm/W	157 lm/W	141 lm/W	80
DLE G4 65mm 3000lm 840 R ADV	840/359	650 mA	4,000 lm	3,710 lm	22.2 W	32.6 V	35.2 V	175 lm/W	166 lm/W	149 lm/W	80
DLE G4 65mm 3000lm – Module without housing – Operating mode HO2											
DLE G4 65mm 3000lm 830 R ADV	830/359	950 mA	4,930 lm	5,320 lm	33.3 W	33.7 V	36.2 V	156 lm/W	148 lm/W	133 lm/W	80
DLE G4 65mm 3000lm 840 R ADV	840/359	950 mA	5,610 lm	5,200 lm	33.3 W	33.7 V	36.2 V	165 lm/W	156 lm/W	140 lm/W	80
DLE G4 65mm 3000lm – Module without housing – Operating mode HO3											
DLE G4 65mm 3000lm 830 R ADV	830/359	1,200 mA	6,500 lm	6,020 lm	43.1 W	34.4 V	37.0 V	148 lm/W	140 lm/W	126 lm/W	80
DLE G4 65mm 3000lm 840 R ADV	840/359	1,200 mA	6,850 lm	6,350 lm	43.1 W	34.4 V	37.0 V	156 lm/W	148 lm/W	133 lm/W	80
DLE G4 65mm 2000lm – Module with housing – Operating mode HE											
DLE G4 65mm 2000lm 830 H ADV	830/359	400 mA	1,340 lm	1,240 lm	8.9 W	21.2 V	22.9 V	148 lm/W	139 lm/W	125 lm/W	80
DLE G4 65mm 2000lm 840 H ADV	840/359	350 mA	1,250 lm	1,150 lm	7.8 W	21.1 V	22.8 V	157 lm/W	148 lm/W	133 lm/W	80
DLE G4 65mm 2000lm – Module with housing – Operating mode NM											
DLE G4 65mm 2000lm 830 H ADV	830/359	500 mA	1,660 lm	1,540 lm	11.3 W	21.5 V	23.2 V	144 lm/W	137 lm/W	123 lm/W	80
DLE G4 65mm 2000lm 840 H ADV	840/359	500 mA	1,760 lm	1,630 lm	11.3 W	21.5 V	23.2 V	152 lm/W	143 lm/W	129 lm/W	80
DLE G4 65mm 2000lm – Module with housing – Operating mode HO											
DLE G4 65mm 2000lm 830 H ADV	830/359	700 mA	2,270 lm	2,100 lm	16.2 W	22.1 V	23.8 V	138 lm/W	130 lm/W	117 lm/W	80
DLE G4 65mm 2000lm 840 H ADV	840/359	650 mA	2,240 lm	2,070 lm	14.9 W	21.9 V	23.7 V	146 lm/W	138 lm/W	124 lm/W	80
DLE G4 65mm 3000lm – Module with housing – Operating mode HE											
DLE G4 65mm 3000lm 830 H ADV	830/359	450 mA	2,270 lm	2,100 lm	15.0 W	31.9 V	34.4 V	148 lm/W	139 lm/W	125 lm/W	80
DLE G4 65mm 3000lm 840 H ADV	840/359	450 mA	2,390 lm	2,220 lm	15.0 W	31.9 V	34.4 V	155 lm/W	147 lm/W	132 lm/W	80
DLE G4 65mm 3000lm – Module with housing – Operating mode NM											
DLE G4 65mm 3000lm 830 H ADV	830/359	550 mA	2,760 lm	2,550 lm	18.5 W	32.2 V	34.8 V	144 lm/W	136 lm/W	122 lm/W	80
DLE G4 65mm 3000lm 840 H ADV	840/359	550 mA	2,910 lm	2,690 lm	18.5 W	32.2 V	34.8 V	152 lm/W	144 lm/W	130 lm/W	80
DLE G4 65mm 3000lm – Module with housing – Operating mode HO											
DLE G4 65mm 3000lm 830 H ADV	830/359	650 mA	3,220 lm	2,980 lm	22.2 W	32.6 V	35.2 V	141 lm/W	133 lm/W	120 lm/W	80
DLE G4 65mm 3000lm 840 H ADV	840/359	650 mA	3,390 lm	3,150 lm	22.2 W	32.6 V	35.2 V	148 lm/W	141 lm/W	127 lm/W	80
DLE G4 65mm 5000lm – Module with housing – Operating mode HE											
DLE G4 65mm 5000lm 830 H ADV	830/359	550 mA	2,760 lm	2,550 lm	18.5 W	32.2 V	34.8 V	144 lm/W	136 lm/W	122 lm/W	80
DLE G4 65mm 5000lm 840 H ADV	840/359	550 mA	2,910 lm	2,690 lm	18.5 W	32.2 V	34.8 V	152 lm/W	144 lm/W	130 lm/W	80
DLE G4 65mm 5000lm – Module with housing – Operating mode NM											
DLE G4 65mm 5000lm 830 H ADV	830/359	750 mA	3,630 lm	3,370 lm	25.8 W	33.0 V	35.5 V	138 lm/W	130 lm/W	117 lm/W	80
DLE G4 65mm 5000lm 840 H ADV	840/359	750 mA	3,830 lm	3,550 lm	25.8 W	33.0 V	35.5 V	145 lm/W	137 lm/W	123 lm/W	80
DLE G4 65mm 5000lm – Module with housing – Operating mode HO											
DLE G4 65mm 5000lm 830 H ADV	830/359	1,200 mA	5,460 lm	5,050 lm	43.1 W	34.4 V	37.0 V	124 lm/W	118 lm/W	106 lm/W	80
DLE G4 65mm 5000lm 840 H ADV	840/359	1,200 mA	5,750 lm	5,330 lm	43.1 W	34.4 V	37.0 V	131 lm/W	124 lm/W	112 lm/W	80

¹⁾ Measured at operating mode HO.

²⁾ Tolerance range for optical and electrical data: ±10 %.

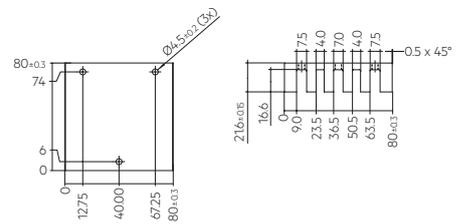
³⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.

⁴⁾ Assumed efficiency for the LED engine is 0.9.

DLE GEN2 Adapter

Product description

- The adapter plate does not replace a heat sink



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DLE GEN2 Adapter	28000420	1 pc(s).	0.250 kg



Module CLE G1 250mm ADV IND

Module CLE ADVANCED

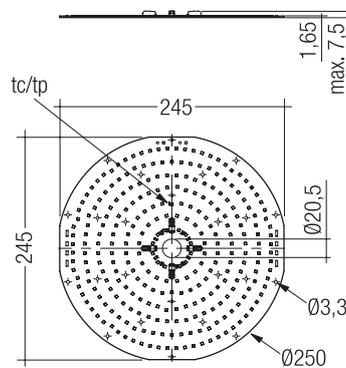
Product description

- LED modules for diffuse highbay applications
- Luminous flux: 26,000 lm per module
- Efficacy of the module up to 155 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)¹⁾
- Colour temperatures 4,000, 5,000 and 6,500 K
- Push-in terminals for simple and quick wiring
- Simple installation (e.g. screws)
- 5-year guarantee

→ For product data sheet go to www.tridonic.com,
or available on request

Technical data

Beam characteristic	120°
Ambient temperature range	-25 ... +45 °C
tp rated	65 °C
tc	85 °C
I _{rated}	1,050 mA
I _{max}	1,200 mA
Max. DC forward current	1,500 mA
Max. permissible LF current ripple	1,650 mA
Max. permissible peak current	4,000 mA / max. 10 ms
Max. working voltage for insulation ²⁾	500 V
Insulation test voltage	2 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (IEC 62471:2008) for 4,000 K ³⁾	RG0
Risk group (IEC 62471:2008) for 5,000 / 6,000 K ³⁾	RG2 (E _{thr} = 342 lx, RG1 at d = tbd cm)
Classification acc. to IEC 62031	Built-in
Type of protection	IP00



Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
CLE G1 250mm 26000lm 840 ADV IND	89602747	4,000 K	25 pc(s).	0.229 kg
CLE G1 250mm 26000lm 850 ADV IND	89602748	5,000 K	25 pc(s).	0.229 kg
CLE G1 250mm 26000lm 865 ADV IND	89602749	6,500 K	25 pc(s).	0.229 kg



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type ¹⁾	Photo-metric code ⁴⁾	Typ. luminous flux at tp = 25 °C ⁴⁾⁵⁾	Typ. luminous flux at tp = 65 °C ⁴⁾⁵⁾	Typ. forward current ⁴⁾	Min. forward voltage at tp = 65 °C ⁴⁾	Max. forward voltage at tp = 25 °C ⁴⁾	Typ. power consumption at tp = 65 °C ⁵⁾⁴⁾	Luminous efficacy module at tp = 25 °C ⁴⁾	Luminous efficacy module at tp = 65 °C ⁴⁾	Luminous efficacy system at tp = 65 °C ⁴⁾	Colour rendering index CRI ⁴⁾
Operating mode HE at 700 mA											
CLE G1 250mm 26000lm 840 ADV IND	840/359	18,930 lm	18,020 lm	700 mA	75.5 V	84.1 V	55.1 W	166 lm/W	163 lm/W	147 lm/W	> 80
CLE G1 250mm 26000lm 850 ADV IND	850/359	19,350 lm	18,280 lm	700 mA	75.5 V	84.1 V	55.1 W	170 lm/W	166 lm/W	149 lm/W	> 80
CLE G1 250mm 26000lm 865 ADV IND	865/359	19,220 lm	18,150 lm	700 mA	75.5 V	84.1 V	55.1 W	168 lm/W	164 lm/W	148 lm/W	> 80
Operating mode NM at 1,050 mA											
CLE G1 250mm 26000lm 840 ADV IND	840/359	27,600 lm	26,270 lm	1,050 mA	78.5 V	87.3 V	85.9 W	155 lm/W	153 lm/W	138 lm/W	> 80
CLE G1 250mm 26000lm 850 ADV IND	850/359	28,210 lm	26,650 lm	1,050 mA	78.5 V	87.3 V	85.9 W	159 lm/W	155 lm/W	140 lm/W	> 80
CLE G1 250mm 26000lm 865 ADV IND	865/359	28,000 lm	26,450 lm	1,050 mA	78.5 V	87.3 V	85.9 W	158 lm/W	154 lm/W	139 lm/W	> 80
Operating mode HO at 1,200 mA											
CLE G1 250mm 26000lm 840 ADV IND	840/359	31,150 lm	29,650 lm	1,200 mA	79.8 V	88.6 V	99.7 W	151 lm/W	148 lm/W	133 lm/W	> 80
CLE G1 250mm 26000lm 850 ADV IND	850/359	31,780 lm	30,020 lm	1,200 mA	79.8 V	88.6 V	99.7 W	154 lm/W	150 lm/W	135 lm/W	> 80
CLE G1 250mm 26000lm 865 ADV IND	865/359	31,550 lm	29,800 lm	1,200 mA	79.8 V	88.6 V	99.7 W	153 lm/W	149 lm/W	134 lm/W	> 80

¹⁾ Integral measurement over the complete module.

²⁾ If mounted with M3 screws.

³⁾ Measured at operating mode HO.

⁴⁾ Value for the whole module.

⁵⁾ Tolerance range for optical and electrical data: ±10 %.

⁶⁾ Value per channel (2 channels per module, see 3.2 Wiring).

⁷⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.



Module CLE G3 ADV

Module CLE ADVANCED

Product description

- Ideal for ceiling-mounted and wallmounted luminaires
 - LED system solution consisting of the LED module, the LED Driver with integrated emergency function and SWITCH sensor
 - Based on circular and TC-DD fluorescent lamps
 - Efficacy of the module up to 181 lm/W
 - SO version is compatible with SWITCH Sensor HF 5BP
 - Integrated separate emergency LEDs with CLE G3 190/220/315 controlled by EM powerLED
 - High colour rendering index CRI > 80
 - Small colour tolerance (MacAdam 3)¹⁾
 - Small luminous flux tolerances
 - Colour temperatures 3,000 and 4,000 K
 - Push terminals for quick and simple wiring
 - Simple installation (e.g. screws)
 - Long life-time: 50,000 hours
 - 5-year system guarantee on the complete product
- For product data sheet go to www.tridonic.com, or available on request



CLE G3 160mm 3000lm ADV



CLE G3 190mm 1500lm EM SO ADV



CLE G3 220mm 1500lm EM ADV



CLE G3 220mm 1500lm EM SO ADV



CLE G3 315mm 4000lm EM ADV



CLE G3 315mm 4000lm EM SO ADV

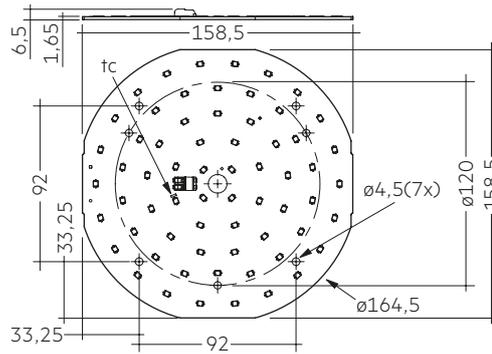
Technical data

Beam characteristic	120°
Ambient temperature range	-25 ... +45 °C
tp rated	65 °C
tc	85 °C
Irated for CLE 160mm	350 mA
Irated for CLE 190/220mm	350 mA
Irated for CLE 315mm	700 mA
I _{max} for CLE 160mm	850 mA
I _{max} for CLE 190/220mm	700 mA
I _{max} for CLE 315mm	1,200 mA
Max. permissible LF current ripple for CLE 160mm	1,000 mA
Max. permissible LF current ripple for CLE 190/220mm	800 mA
Max. permissible LF current ripple for CLE 315mm	1,400 mA
Max. permissible peak current for CLE 160mm	1,200 mA / max. 10 ms
Max. permissible peak current for CLE 190/220mm	960 mA / max. 10 ms
Max. permissible peak current for CLE 315mm	1,680 mA / max. 10 ms
Max. working voltage for insulation SELV [®]	60 V
Insulation test voltage	0.5 kV
ESD classification	Severity level 1
Risk group (EN 62471:2008)	RG0
Type of protection	IPO0

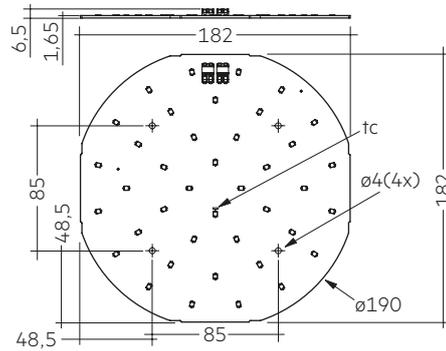


For standards see data sheet

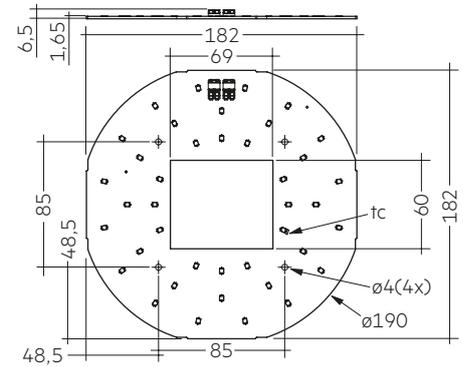
For colour temperatures and tolerances see data sheet



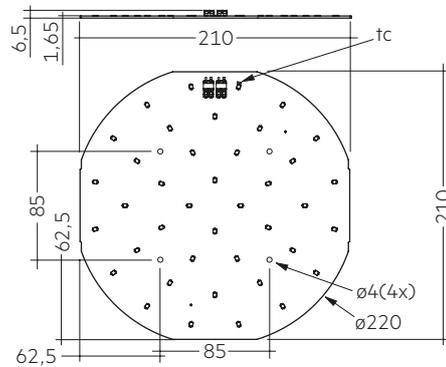
CLE G3 160mm 3000lm ADV



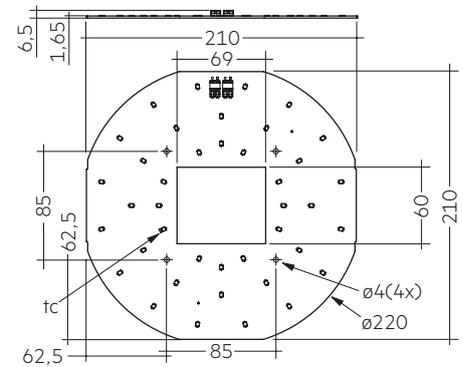
CLE G3 190mm 1500lm EM ADV



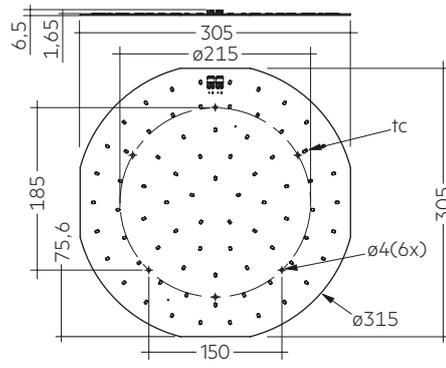
CLE G3 190mm 1500lm EM SO ADV



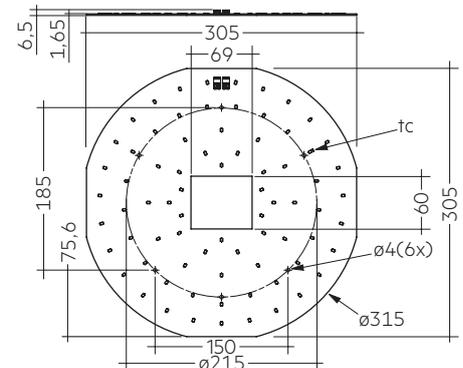
CLE G3 220mm 1500lm EM ADV



CLE G3 220mm 1500lm EM SO ADV



CLE G3 315mm 4000lm EM ADV



CLE G3 315mm 4000lm EM SO ADV

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
CLE G3 160mm 3000lm 830 ADV	89602856	3,000 K	50 pc(s).	0.059 kg
CLE G3 160mm 3000lm 840 ADV	89602857	4,000 K	50 pc(s).	0.059 kg
CLE G3 190mm 1500lm 830 ADV EM	89602858	3,000 K	50 pc(s).	0.075 kg
CLE G3 190mm 1500lm 840 ADV EM	89602859	4,000 K	50 pc(s).	0.075 kg
CLE G3 190mm 1500lm 830 ADV EM SO	89602860	3,000 K	50 pc(s).	0.064 kg
CLE G3 190mm 1500lm 840 ADV EM SO	89602861	4,000 K	50 pc(s).	0.064 kg
CLE G3 220mm 1500lm 830 ADV EM	89602862	3,000 K	50 pc(s).	0.099 kg
CLE G3 220mm 1500lm 840 ADV EM	89602863	4,000 K	50 pc(s).	0.099 kg
CLE G3 220mm 1500lm 830 ADV EM SO	89602864	3,000 K	50 pc(s).	0.088 kg
CLE G3 220mm 1500lm 840 ADV EM SO	89602865	4,000 K	50 pc(s).	0.088 kg
CLE G3 315mm 4000lm 830 ADV EM	89602866	3,000 K	10 pc(s).	0.208 kg
CLE G3 315mm 4000lm 840 ADV EM	89602867	4,000 K	10 pc(s).	0.208 kg
CLE G3 315mm 4000lm 830 ADV EM SO	89602868	3,000 K	10 pc(s).	0.199 kg
CLE G3 315mm 4000lm 840 ADV EM SO	89602869	4,000 K	10 pc(s).	0.199 kg

Specific technical data

Type ³⁾	Photometric code	Typ. luminous flux at tp = 25 °C ⁴⁾	Typ. luminous flux at tp = 65 °C ⁴⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ⁴⁾	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI
CLE G3 160mm – Operating mode HE											
CLE G3 160mm 3000lm 830 ADV	830/359	2,130 lm	1,980 lm	350 mA	34.1 V	39.0 V	12.6 W	164 lm/W	157 lm/W	141 lm/W	> 80
CLE G3 160mm 3000lm 840 ADV	840/359	2,350 lm	2,190 lm	350 mA	34.1 V	39.0 V	12.6 W	181 lm/W	173 lm/W	156 lm/W	> 80
CLE G3 160mm – Operating mode HO											
CLE G3 160mm 3000lm 830 ADV	830/359	2,950 lm	2,750 lm	500 mA	35.4 V	40.3 V	18.7 W	153 lm/W	147 lm/W	132 lm/W	> 80
CLE G3 160mm 3000lm 840 ADV	840/359	3,260 lm	3,040 lm	500 mA	35.4 V	40.3 V	18.7 W	170 lm/W	162 lm/W	146 lm/W	> 80
CLE G3 190/220mm – Operating mode HE											
CLE G3 190mm 1500lm 830 ADV EM	830/359	1,460 lm	1,360 lm	350 mA	24.2 V	27.5 V	8.9 W	159 lm/W	152 lm/W	137 lm/W	> 80
CLE G3 190mm 1500lm 840 ADV EM	840/359	1,610 lm	1,510 lm	350 mA	24.2 V	27.5 V	8.9 W	175 lm/W	169 lm/W	152 lm/W	> 80
CLE G3 190mm 1500lm 830 ADV EM SO	830/359	1,460 lm	1,360 lm	350 mA	24.2 V	27.5 V	8.9 W	159 lm/W	152 lm/W	137 lm/W	> 80
CLE G3 190mm 1500lm 840 ADV EM SO	840/359	1,610 lm	1,510 lm	350 mA	24.2 V	27.5 V	8.9 W	175 lm/W	169 lm/W	152 lm/W	> 80
CLE G3 220mm 1500lm 830 ADV EM	830/359	1,460 lm	1,360 lm	350 mA	24.2 V	27.5 V	8.9 W	159 lm/W	152 lm/W	137 lm/W	> 80
CLE G3 220mm 1500lm 840 ADV EM	840/359	1,610 lm	1,510 lm	350 mA	24.2 V	27.5 V	8.9 W	175 lm/W	169 lm/W	152 lm/W	> 80
CLE G3 220mm 1500lm 830 ADV EM SO	830/359	1,460 lm	1,360 lm	350 mA	24.2 V	27.5 V	8.9 W	159 lm/W	152 lm/W	137 lm/W	> 80
CLE G3 220mm 1500lm 840 ADV EM SO	840/359	1,610 lm	1,510 lm	350 mA	24.2 V	27.5 V	8.9 W	175 lm/W	169 lm/W	152 lm/W	> 80
CLE G3 190/220mm – Operating mode HO											
CLE G3 190mm 1500lm 830 ADV EM	830/359	2,000 lm	1,860 lm	500 mA	25.3 V	28.7 V	13.3 W	146 lm/W	139 lm/W	125 lm/W	> 80
CLE G3 190mm 1500lm 840 ADV EM	840/359	2,200 lm	2,060 lm	500 mA	25.3 V	28.7 V	13.3 W	155 lm/W	149 lm/W	134 lm/W	> 80
CLE G3 190mm 1500lm 830 ADV EM SO	830/359	2,000 lm	1,860 lm	500 mA	25.3 V	28.7 V	13.3 W	146 lm/W	139 lm/W	125 lm/W	> 80
CLE G3 190mm 1500lm 840 ADV EM SO	840/359	2,200 lm	2,060 lm	500 mA	25.3 V	28.7 V	13.3 W	155 lm/W	149 lm/W	134 lm/W	> 80
CLE G3 220mm 1500lm 830 ADV EM	830/359	2,000 lm	1,860 lm	500 mA	25.3 V	28.7 V	13.3 W	146 lm/W	139 lm/W	125 lm/W	> 80
CLE G3 220mm 1500lm 840 ADV EM	840/359	2,200 lm	2,060 lm	500 mA	25.3 V	28.7 V	13.3 W	155 lm/W	149 lm/W	134 lm/W	> 80
CLE G3 220mm 1500lm 830 ADV EM SO	830/359	2,000 lm	1,860 lm	500 mA	25.3 V	28.7 V	13.3 W	146 lm/W	139 lm/W	125 lm/W	> 80
CLE G3 220mm 1500lm 840 ADV EM SO	840/359	2,200 lm	2,060 lm	500 mA	25.3 V	28.7 V	13.3 W	155 lm/W	149 lm/W	134 lm/W	> 80
CLE G3 190/220mm – Emergency operation at 320 mA (EM powerLED NM 1 W BASIC, EM powerLED 15 W BASIC CLE NiCd)											
CLE G3 190mm 1500lm 830 ADV EM	830/359	150 lm	140 lm	320 mA	–	–	–	–	–	–	> 80
CLE G3 190mm 1500lm 840 ADV EM	840/359	165 lm	155 lm	320 mA	–	–	–	–	–	–	> 80
CLE G3 190mm 1500lm 830 ADV EM SO	830/359	150 lm	140 lm	320 mA	–	–	–	–	–	–	> 80
CLE G3 190mm 1500lm 840 ADV EM SO	840/359	165 lm	155 lm	320 mA	–	–	–	–	–	–	> 80
CLE G3 220mm 1500lm 830 ADV EM	830/359	150 lm	140 lm	320 mA	–	–	–	–	–	–	> 80
CLE G3 220mm 1500lm 840 ADV EM	840/359	165 lm	155 lm	320 mA	–	–	–	–	–	–	> 80
CLE G3 220mm 1500lm 830 ADV EM SO	830/359	150 lm	140 lm	320 mA	–	–	–	–	–	–	> 80
CLE G3 220mm 1500lm 840 ADV EM SO	840/359	165 lm	155 lm	320 mA	–	–	–	–	–	–	> 80
CLE G3 190/220mm – Emergency operation at 350 mA (EM powerLED 1 W)											
CLE G3 190mm 1500lm 830 ADV EM	830/359	160 lm	150 lm	350 mA	–	–	–	–	–	–	> 80
CLE G3 190mm 1500lm 840 ADV EM	840/359	180 lm	165 lm	350 mA	–	–	–	–	–	–	> 80
CLE G3 190mm 1500lm 830 ADV EM SO	830/359	160 lm	150 lm	350 mA	–	–	–	–	–	–	> 80
CLE G3 190mm 1500lm 840 ADV EM SO	840/359	180 lm	165 lm	350 mA	–	–	–	–	–	–	> 80
CLE G3 220mm 1500lm 830 ADV EM	830/359	160 lm	150 lm	350 mA	–	–	–	–	–	–	> 80
CLE G3 220mm 1500lm 840 ADV EM	840/359	180 lm	165 lm	350 mA	–	–	–	–	–	–	> 80
CLE G3 220mm 1500lm 830 ADV EM SO	830/359	160 lm	150 lm	350 mA	–	–	–	–	–	–	> 80
CLE G3 220mm 1500lm 840 ADV EM SO	840/359	180 lm	165 lm	350 mA	–	–	–	–	–	–	> 80

Specific technical data

Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ⁴⁾	Typ. luminous flux at tp = 65 °C ⁴⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ⁴⁾	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI
CLE G3 190/220mm – Emergency operation at 400 mA (EM powerLED 15 W BASIC CLE NiMH)											
CLE G3 190mm 1500lm 830 ADV EM	830/359	180 lm	170 lm	400 mA	–	–	–	–	–	–	> 80
CLE G3 190mm 1500lm 840 ADV EM	840/359	200 lm	185 lm	400 mA	–	–	–	–	–	–	> 80
CLE G3 190mm 1500lm 830 ADV EM SO	830/359	180 lm	170 lm	400 mA	–	–	–	–	–	–	> 80
CLE G3 190mm 1500lm 840 ADV EM SO	840/359	200 lm	185 lm	400 mA	–	–	–	–	–	–	> 80
CLE G3 220mm 1500lm 830 ADV EM	830/359	180 lm	170 lm	400 mA	–	–	–	–	–	–	> 80
CLE G3 220mm 1500lm 840 ADV EM	840/359	200 lm	185 lm	400 mA	–	–	–	–	–	–	> 80
CLE G3 220mm 1500lm 830 ADV EM SO	830/359	180 lm	170 lm	400 mA	–	–	–	–	–	–	> 80
CLE G3 220mm 1500lm 840 ADV EM SO	840/359	200 lm	185 lm	400 mA	–	–	–	–	–	–	> 80
CLE G3 190/220mm – Emergency operation at 600 mA (EM powerLED 2 W)											
CLE G3 190mm 1500lm 830 ADV EM	830/359	260 lm	245 lm	600 mA	–	–	–	–	–	–	> 80
CLE G3 190mm 1500lm 840 ADV EM	840/359	290 lm	270 lm	600 mA	–	–	–	–	–	–	> 80
CLE G3 190mm 1500lm 830 ADV EM SO	830/359	260 lm	245 lm	600 mA	–	–	–	–	–	–	> 80
CLE G3 190mm 1500lm 840 ADV EM SO	840/359	290 lm	270 lm	600 mA	–	–	–	–	–	–	> 80
CLE G3 220mm 1500lm 830 ADV EM	830/359	260 lm	245 lm	600 mA	–	–	–	–	–	–	> 80
CLE G3 220mm 1500lm 840 ADV EM	840/359	290 lm	270 lm	600 mA	–	–	–	–	–	–	> 80
CLE G3 220mm 1500lm 830 ADV EM SO	830/359	260 lm	245 lm	600 mA	–	–	–	–	–	–	> 80
CLE G3 220mm 1500lm 840 ADV EM SO	840/359	290 lm	270 lm	600 mA	–	–	–	–	–	–	> 80
CLE G3 315mm – Operating mode HE											
CLE G3 315mm 4000lm 830 ADV EM	830/359	2,790 lm	2,600 lm	600 mA	26.8 V	30.5 V	17.0 W	160 lm/W	153 lm/W	138 lm/W	> 80
CLE G3 315mm 4000lm 840 ADV EM	840/359	3,080 lm	2,870 lm	600 mA	26.8 V	30.5 V	17.0 W	176 lm/W	169 lm/W	152 lm/W	> 80
CLE G3 315mm 4000lm 830 ADV EM SO	830/359	2,790 lm	2,600 lm	600 mA	26.8 V	30.5 V	17.0 W	160 lm/W	153 lm/W	138 lm/W	> 80
CLE G3 315mm 4000lm 840 ADV EM SO	840/359	3,080 lm	2,870 lm	600 mA	26.8 V	30.5 V	17.0 W	176 lm/W	169 lm/W	152 lm/W	> 80
CLE G3 315mm – Operating mode HO											
CLE G3 315mm 4000lm 830 ADV EM	830/359	3,980 lm	3,720 lm	900 mA	25.4 V	32.0 V	26.7 W	145 lm/W	139 lm/W	125 lm/W	> 80
CLE G3 315mm 4000lm 840 ADV EM	840/359	4,400 lm	4,100 lm	900 mA	25.4 V	32.0 V	26.7 W	160 lm/W	153 lm/W	138 lm/W	> 80
CLE G3 315mm 4000lm 830 ADV EM SO	830/359	3,980 lm	3,720 lm	900 mA	25.4 V	32.0 V	26.7 W	145 lm/W	139 lm/W	125 lm/W	> 80
CLE G3 315mm 4000lm 840 ADV EM SO	840/359	4,400 lm	4,100 lm	900 mA	25.4 V	32.0 V	26.7 W	160 lm/W	153 lm/W	138 lm/W	> 80
CLE G3 315mm – Emergency operation at 600 mA (EM powerLED 2 W)											
CLE G3 315mm 4000lm 830 ADV EM	830/359	270 lm	255 lm	600 mA	–	–	–	–	–	–	> 80
CLE G3 315mm 4000lm 840 ADV EM	840/359	300 lm	280 lm	600 mA	–	–	–	–	–	–	> 80
CLE G3 315mm 4000lm 830 ADV EM SO	830/359	270 lm	255 lm	600 mA	–	–	–	–	–	–	> 80
CLE G3 315mm 4000lm 840 ADV EM SO	840/359	300 lm	280 lm	600 mA	–	–	–	–	–	–	> 80
CLE G3 315mm – Emergency operation at 1,000 mA (EM powerLED 4 W)											
CLE G3 315mm 4000lm 830 ADV EM	830/359	430 lm	400 lm	1,000 mA	–	–	–	–	–	–	> 80
CLE G3 315mm 4000lm 840 ADV EM	840/359	475 lm	440 lm	1,000 mA	–	–	–	–	–	–	> 80
CLE G3 315mm 4000lm 830 ADV EM SO	830/359	430 lm	400 lm	1,000 mA	–	–	–	–	–	–	> 80
CLE G3 315mm 4000lm 840 ADV EM SO	840/359	475 lm	440 lm	1,000 mA	–	–	–	–	–	–	> 80

¹⁾ Integral measurement over the complete module.²⁾ If mounted with M4 screws and plastic washers.³⁾ HE ... high efficiency, HO ... high output.⁴⁾ Tolerance range for optical and electrical data: ±10 %.



Module CLE G1 SNC

Module CLE ESSENCE

Product description

- Ideal for downlight and decorative ceiling and wall light
- Efficacy of the module up to 144 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance MacAdam 4³⁾
- Small luminous flux tolerances
- Colour temperatures 3,000 and 4,000 K
- Push terminals for quick and simple wiring
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com,
or available on request

Technical data

Beam characteristic	120°
Ambient temperature range	-25 ... +45 °C
tp rated	65 °C
tc	85 °C
Irated for CLE 50mm	350 mA
Irated for CLE 80mm	700 mA
Irated for CLE 120mm	600 mA
Irated for CLE 160mm	700 mA
Irated for CLE 315mm	900 mA
I _{max} for CLE 50mm	376 mA
I _{max} for CLE 80mm	752 mA
I _{max} for CLE 120mm	645 mA
I _{max} for CLE 160mm	752 mA
I _{max} for CLE 315mm	967 mA
Max. permissible LF current ripple for CLE 50mm	526 mA
Max. permissible LF current ripple for CLE 80mm	990 mA
Max. permissible LF current ripple for CLE 120mm	839 mA
Max. permissible LF current ripple for CLE 160mm	990 mA
Max. permissible LF current ripple for CLE 315mm	1,485 mA
Max. permissible peak current for CLE 50mm	600 mA / max. 10 ms
Max. permissible peak current for CLE 80mm	1,200 mA / max. 10 ms
Max. permissible peak current for CLE 120mm	1,000 mA / max. 10 ms
Max. permissible peak current for CLE 160mm	1,200 mA / max. 10 ms
Max. permissible peak current for CLE 315mm	1,800 mA / max. 10 ms
Max. working voltage for insulation ¹⁾	60 V SELV
Insulation test voltage	0.5 kV
ESD classification	Severity level 4
Risk group (EN 62471:2008)	RGO
Type of protection	IP00



CLE G1 50mm 1000lm SNC



CLE G1 80mm 2000lm SNC



CLE G1 120mm 2500lm SNC



CLE G1 160mm 3000lm SNC

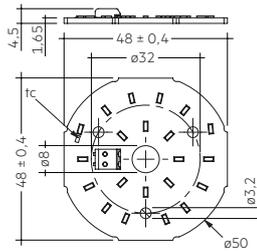


CLE G1 315mm 4000lm SNC

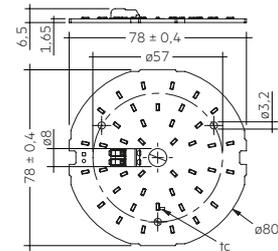


For standards see data sheet

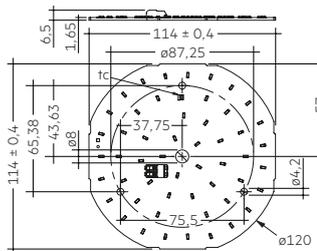
For colour temperatures and tolerances see data sheet



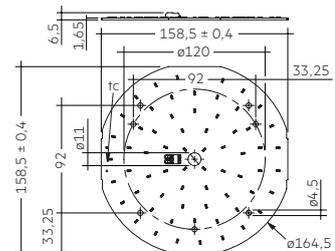
CLE G1 50mm 1000lm SNC



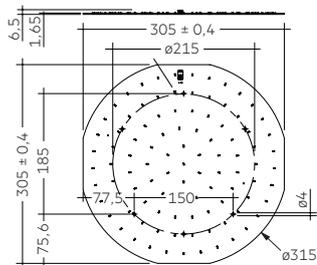
CLE G1 80mm 2000lm SNC



CLE G1 120mm 2500lm SNC



CLE G1 160mm 3000lm SNC



CLE G1 315mm 4000lm SNC

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
CLE G1 50mm 1000lm 830 SNC	89602904	3,000 K	180 pc(s).	0.008 kg
CLE G1 50mm 1000lm 840 SNC	89602905	4,000 K	180 pc(s).	0.008 kg
CLE G1 80mm 2000lm 830 SNC	89602906	3,000 K	360 pc(s).	0.014 kg
CLE G1 80mm 2000lm 840 SNC	89602907	4,000 K	360 pc(s).	0.014 kg
CLE G1 120mm 2500lm 830 SNC	89602908	3,000 K	360 pc(s).	0.031 kg
CLE G1 120mm 2500lm 840 SNC	89602909	4,000 K	360 pc(s).	0.031 kg
CLE G1 160mm 3000lm 830 SNC	89602910	3,000 K	50 pc(s).	0.059 kg
CLE G1 160mm 3000lm 840 SNC	89602911	4,000 K	50 pc(s).	0.059 kg
CLE G1 315mm 4000lm 830 SNC	89602912	3,000 K	10 pc(s).	0.208 kg
CLE G1 315mm 4000lm 840 SNC	89602913	4,000 K	10 pc(s).	0.208 kg

Specific technical data

Type	Photo-metric code	Typ. luminous flux at tp = 25 °C ¹⁾	Typ. luminous flux at tp = 65 °C ¹⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ¹⁾	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI
CLE G1 50mm 1000lm 830 SNC	830/459	1,040 lm	970 lm	350 mA	21.2 V	24.5 V	7.8 W	131 lm/W	125 lm/W	104 lm/W	> 80
CLE G1 50mm 1000lm 840 SNC	840/459	1,110 lm	1,030 lm	350 mA	21.2 V	24.5 V	7.8 W	140 lm/W	134 lm/W	111 lm/W	> 80
CLE G1 80mm 2000lm 830 SNC	830/459	2,080 lm	1,940 lm	700 mA	21.2 V	24.5 V	15.5 W	131 lm/W	125 lm/W	113 lm/W	> 80
CLE G1 80mm 2000lm 840 SNC	840/459	2,220 lm	2,070 lm	700 mA	21.2 V	24.5 V	15.5 W	140 lm/W	134 lm/W	121 lm/W	> 80
CLE G1 120mm 2500lm 830 SNC	830/459	2,790 lm	2,600 lm	600 mA	33.4 V	38.6 V	20.9 W	130 lm/W	124 lm/W	112 lm/W	> 80
CLE G1 120mm 2500lm 840 SNC	840/459	2,970 lm	2,780 lm	600 mA	33.4 V	38.6 V	20.9 W	138 lm/W	132 lm/W	119 lm/W	> 80
CLE G1 160mm 3000lm 830 SNC	830/459	3,270 lm	3,060 lm	700 mA	33.3 V	38.5 V	24.3 W	131 lm/W	125 lm/W	113 lm/W	> 80
CLE G1 160mm 3000lm 840 SNC	840/459	3,490 lm	3,260 lm	700 mA	33.3 V	38.5 V	24.3 W	140 lm/W	134 lm/W	121 lm/W	> 80
CLE G1 315mm 4000lm 830 SNC	830/459	4,280 lm	3,990 lm	900 mA	32.7 V	37.8 V	30.7 W	136 lm/W	130 lm/W	117 lm/W	> 80
CLE G1 315mm 4000lm 840 SNC	840/459	4,560 lm	4,260 lm	900 mA	32.7 V	37.8 V	30.7 W	144 lm/W	138 lm/W	124 lm/W	> 80

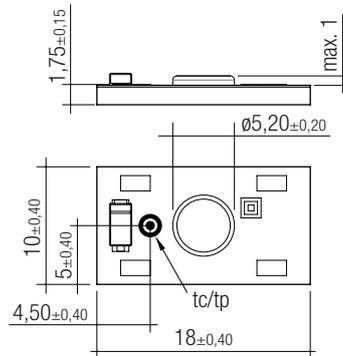
¹⁾ Tolerance range for optical and electrical data: ±10 %.²⁾ If mounted with M4 screws and plastic washers.³⁾ Integrated measurement over the whole module.



Module P211-5
Module Pxxx

Product description

- General lighting
 - Design and effect lighting
 - Emergency lighting
 - Spotlights
 - High-flux LED module
 - Narrow colour temperature tolerance band
 - Compact design
 - Excellent thermal management
 - Integrated polarity reversal protection
 - High-power LED in chip-on-board technology (COB)
 - Mounting with premounted thermally conductive double-sided adhesive tape
 - Available with or without connection cable
 - Connection: cable 200 mm
 - Cooling required
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Beam characteristic	140°
Ambient temperature range	-25 ... +55 °C
tp rated	75 °C
tc ¹⁾	75 °C
Max. DC forward current	700 mA
Max. permissible LF current ripple	1,900 mA
Max. permissible peak current	1,920 mA / max. 10 ms
Risk group (EN 62471:2008)	1
Type of protection	IP00



For standards see data sheet

For wiring diagrams and installation examples, colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour	Colour temperature	Connection cable	Packaging, carton	Weight per pc.
LED P211-5 DL	89601879	Daylight white	6,500 K	Yes	100 pc(s).	0.002 kg
LED P211-5 NW	89601880	Neutral white	4,200 K	Yes	100 pc(s).	0.003 kg
LED P211-5 WW	89601881	Warm white	3,000 K	Yes	100 pc(s).	0.003 kg
LED P211-5 PM	89601882	Packed meat	–	Yes	100 pc(s).	0.004 kg
LED P211-5 GOLD	89601883	Gold	2,700 K	Yes	100 pc(s).	0.003 kg
LED P211-5 DL W/O-C	89601884	Daylight white	6,500 K	No	100 pc(s).	0.001 kg
LED P211-5 NW W/O-C	89601885	Neutral white	4,200 K	No	100 pc(s).	0.001 kg
LED P211-5 WW W/O-C	89601886	Warm white	3,000 K	No	100 pc(s).	0.002 kg
LED P211-5 PM W/O-C	89601887	Packed meat	–	No	100 pc(s).	0.001 kg
LED P211-5 GOLD W/O-C	89601888	Gold	2,700 K	No	100 pc(s).	0.001 kg

Specific technical data

Type ²⁾	Photo-metric code	Forward current ³⁾	Luminous flux at tp = 25 °C ⁴⁾	Luminous flux at tp = 75 °C ⁴⁾	Power consumption ⁵⁾	Min. forward voltage at tp = 75 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 75 °C	Luminous efficacy system at tp = 75 °C ⁶⁾	Colour rendering index CRI
Operating mode HE at 300 mA											
LED P211-5 DL	765/459	350 mA	138 lm	120 lm	1.0 W	2.8 V	3.2 V	138 lm/W	120 lm/W	108 lm/W	70
LED P211-5 NW	842/459	350 mA	130 lm	110 lm	1.0 W	2.8 V	3.2 V	130 lm/W	110 lm/W	99 lm/W	80
LED P211-5 WW	830/459	350 mA	120 lm	100 lm	1.0 W	2.8 V	3.2 V	120 lm/W	100 lm/W	90 lm/W	80
LED P211-5 PM	-	350 mA	90 lm	80 lm	1.0 W	2.8 V	3.2 V	90 lm/W	80 lm/W	72 lm/W	-
LED P211-5 GOLD	927/459	350 mA	90 lm	80 lm	1.0 W	2.8 V	3.2 V	90 lm/W	80 lm/W	72 lm/W	90
LED P211-5 DL W/O-C	765/459	350 mA	138 lm	120 lm	1.0 W	2.8 V	3.2 V	138 lm/W	120 lm/W	108 lm/W	70
LED P211-5 NW W/O-C	842/459	350 mA	130 lm	110 lm	1.0 W	2.8 V	3.2 V	130 lm/W	110 lm/W	99 lm/W	80
LED P211-5 WW W/O-C	830/459	350 mA	120 lm	100 lm	1.0 W	2.8 V	3.2 V	120 lm/W	100 lm/W	90 lm/W	80
LED P211-5 PM W/O-C	-	350 mA	90 lm	80 lm	1.0 W	2.8 V	3.2 V	90 lm/W	80 lm/W	72 lm/W	-
LED P211-5 GOLD W/O-C	927/459	350 mA	90 lm	80 lm	1.0 W	2.8 V	3.2 V	90 lm/W	80 lm/W	72 lm/W	90
Operating mode HO at 700 mA											
ED P211-5 DL	765/459	700 mA	243 lm	210 lm	2.2 W	3.0 V	3.5 V	106 lm/W	95 lm/W	86 lm/W	70
LED P211-5 NW	842/459	700 mA	230 lm	190 lm	2.2 W	3.0 V	3.5 V	100 lm/W	86 lm/W	77 lm/W	80
LED P211-5 WW	830/459	700 mA	220 lm	180 lm	2.2 W	3.0 V	3.5 V	96 lm/W	82 lm/W	74 lm/W	80
LED P211-5 PM	-	700 mA	160 lm	135 lm	2.2 W	3.0 V	3.5 V	70 lm/W	61 lm/W	55 lm/W	-
LED P211-5 GOLD	927/459	700 mA	165 lm	140 lm	2.2 W	3.0 V	3.5 V	72 lm/W	64 lm/W	58 lm/W	90
LED P211-5 DL W/O-C	765/459	700 mA	243 lm	210 lm	2.2 W	3.0 V	3.5 V	106 lm/W	95 lm/W	86 lm/W	70
LED P211-5 NW W/O-C	842/459	700 mA	230 lm	190 lm	2.2 W	3.0 V	3.5 V	100 lm/W	86 lm/W	77 lm/W	80
LED P211-5 WW W/O-C	830/459	700 mA	220 lm	180 lm	2.2 W	3.0 V	3.5 V	96 lm/W	82 lm/W	74 lm/W	80
LED P211-5 PM W/O-C	-	700 mA	160 lm	135 lm	2.2 W	3.0 V	3.5 V	70 lm/W	61 lm/W	55 lm/W	-
LED P211-5 GOLD W/O-C	927/459	700 mA	165 lm	140 lm	2.2 W	3.0 V	3.5 V	72 lm/W	64 lm/W	58 lm/W	90

¹⁾ If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged.

The temperature of the LED module at the tp point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tp point see the above diagram.

²⁾ HE ... high efficiency, HO ... high output.

³⁾ Exceeding the max. operating current leads to an overload on the module. This may in turn result in a significant reduction in life-time or even destruction of the module.

⁴⁾ Tolerance range for optical data: ±10 %.

⁵⁾ All values at tp = 75 °C.

⁶⁾ Assumed efficiency for the LED Driver is 0.9.

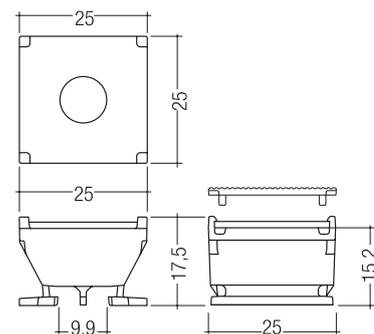
RoHS

ACCESSORIES

Accessory LENS O211-2 spot lens 10°

Product description

- Narrow-beam lens for LED modules P211-5
- For general, design and effect lighting
- As a spotlight
- High efficiency and quality of light
- Simple installation
- 10° beam angle for colours
- 20° beam angle for white
- Mounting with ready-made adhesive tape
- Material: PC/PMMA
- Colour: white / transparent



Ordering data

Type	Article number	Dimensions L x W x H	Packaging, carton	Weight per pc.
O211-2 spot lens 10°	24139148	25 x 25 x 17.7 mm	10 pc(s).	0.007 kg

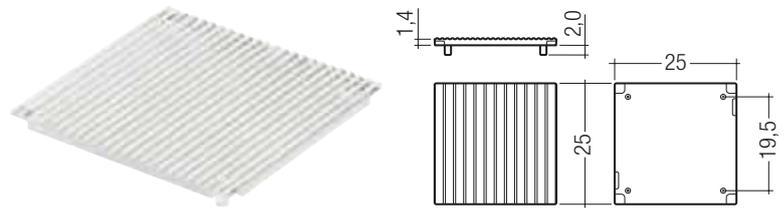
RoHS

ACCESSORIES

Accessory LENS O211-2 diffusion lens

Product description

- Diffusion lens for LED modules P211-5
- In combination with Accessory LENS O211-2 spot lens
- No tools required for installation
- Material: PMMA
- Colour: transparent
- Asymmetrical beam angle 10° / 40°
- For wallwash applications
- As an asymmetrical spotlight
- Symmetrical beam angle 40°
- As a symmetrical spotlight



Ordering data

Type	Article number	Dimensions L x W x H	Packaging, carton	Weight per pc.
O211-2 diffusion lens 10° / 40°	24139011	25 x 25 x 1.4 mm	8,000 pc(s).	0.001 kg
O211-2 diffusion lens 40°	24166036	25 x 25 x 1.4 mm	10 pc(s).	0.001 kg

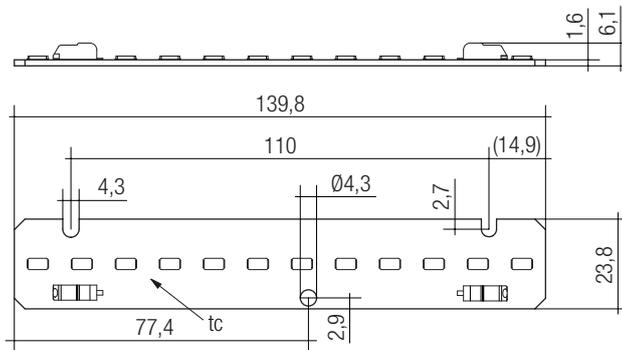


Module STARK LLE-G3-24-140-650, LLE-G3-24-280-1250 SELECT

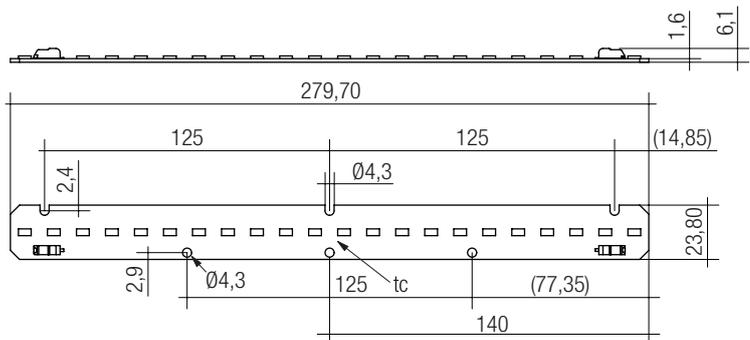
Module LLE EXCITE

Product description

- Ideal for linear and panel lights
 - Luminous flux range from 530 – 1,430 lm
 - LED system solution with outstanding system efficacy up to 118 lm/W, consisting of linear LED module and dimmable LED Driver LCA 50W 100–400mA one4all Ip PRE
 - Efficacy of the module up to 135 lm/W
 - High colour rendering index CRI > 90
 - Small colour tolerance (MacAdam 3) ¹⁾
 - Small luminous flux tolerances
 - Colour temperatures 3,000 and 4,000 K
 - Perfectly uniform light, even if several LED modules are used together in a line
 - Push terminals for quick and simple wiring of LED module to LED module
 - Simple installation (e.g. screws)
 - Long life-time: 50,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



LLE-G3-24-140



LLE-G3-24-280

Technical data

Beam characteristic	120°
Ambient temperature range	-30 ... +45 °C
tp rated	65 °C
tc	85 °C
Max. DC forward current	400 mA
Max. permissible LF current ripple	440 mA
Max. permissible peak current	1,000 mA / max. 10 µs
Max. permissible output voltage of LED Driver ²⁾	250 V
Insulation test voltage	1.5 kV
ESD classification	Severity level 4
Risk group (EN 62471:2008)	1
Type of protection	IP00



For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
LLE-G3-24-140-650-930-SEL	28001031	3,000 K	480 pc(s).	0.012 kg
LLE-G3-24-140-650-940-SEL	28001032	4,000 K	480 pc(s).	0.012 kg
LLE-G3-24-280-1250-930-SEL	28000352	3,000 K	300 pc(s).	0.023 kg
LLE-G3-24-280-1250-940-SEL	28000353	4,000 K	300 pc(s).	0.023 kg

Specific technical data

Type ¹⁾	Photometric code	Typ. luminous flux at tp = 25 °C ⁴⁾	Typ. luminous flux at tp = 65 °C ⁴⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ⁴⁾	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI
Operating mode HE at 250 mA											
LLE-G3-24-140-650-930-SEL	930/359	550 lm	530 lm	250 mA	15.3 V	18.9 V	4.2 W	129 lm/W	124 lm/W	112 lm/W	> 90
LLE-G3-24-140-650-940-SEL	940/359	580 lm	560 lm	250 mA	15.3 V	18.9 V	4.2 W	135 lm/W	131 lm/W	118 lm/W	> 90
LLE-G3-24-280-1250-930-SEL	930/359	1,010 lm	970 lm	250 mA	28.2 V	34.5 V	7.8 W	129 lm/W	124 lm/W	112 lm/W	> 90
LLE-G3-24-280-1250-940-SEL	940/359	1,070 lm	1,020 lm	250 mA	28.2 V	34.5 V	7.8 W	135 lm/W	131 lm/W	118 lm/W	> 90
Operating mode HO at 300 mA											
LLE-G3-24-140-650-930-SEL	930/359	650 lm	620 lm	300 mA	15.6 V	19.3 V	5.2 W	123 lm/W	118 lm/W	106 lm/W	> 90
LLE-G3-24-140-650-940-SEL	940/359	680 lm	650 lm	300 mA	15.6 V	19.3 V	5.2 W	129 lm/W	124 lm/W	112 lm/W	> 90
LLE-G3-24-280-1250-930-SEL	930/359	1,190 lm	1,130 lm	300 mA	28.8 V	35.2 V	9.6 W	123 lm/W	118 lm/W	106 lm/W	> 90
LLE-G3-24-280-1250-940-SEL	940/359	1,250 lm	1,190 lm	300 mA	28.8 V	35.2 V	9.6 W	129 lm/W	124 lm/W	112 lm/W	> 90
Operating mode HO at 350 mA											
LLE-G3-24-140-650-930-SEL	930/359	740 lm	700 lm	350 mA	16.0 V	19.6 V	6.2 W	118 lm/W	113 lm/W	102 lm/W	> 90
LLE-G3-24-140-650-940-SEL	940/359	780 lm	740 lm	350 mA	16.0 V	19.6 V	6.2 W	124 lm/W	119 lm/W	107 lm/W	> 90
LLE-G3-24-280-1250-930-SEL	930/359	1,360 lm	1,290 lm	350 mA	29.4 V	35.8 V	11.4 W	118 lm/W	113 lm/W	102 lm/W	> 90
LLE-G3-24-280-1250-940-SEL	940/359	1,430 lm	1,350 lm	350 mA	29.4 V	35.8 V	11.4 W	124 lm/W	119 lm/W	107 lm/W	> 90

¹⁾ Integral measurement over the complete module.

²⁾ If mounted with M4 screws and plastic washers.

³⁾ HE ... high efficiency, HO ... high output.

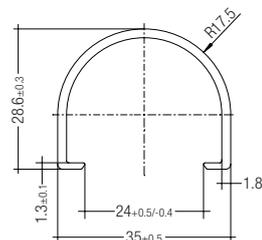
⁴⁾ Tolerance range for optical and electrical data: ±10 %.

ACCES-
SORIES

LINEAR COVER SY

Product description

- LINEAR COVER for LLE 24
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- High transmission:
 - transparent 94 %
 - semi-transparent 87 %
 - diffuse 76 %
- Made of PMMA
- Tolerances: ± 1 mm for 597 mm length (ends finished),
+ 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm length (ends raw)



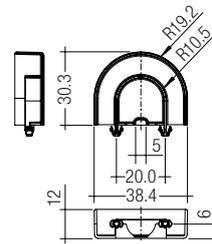
Ordering data

Type	Article number	Colour	Length	Packaging carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	28000338	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	28000437	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	28000339	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	28000435	Semi-transparent	1,500 mm	12 pc(s).	0.244 kg
LINEAR COVER SY Frosted 1200mm	28000422	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	28000340	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	28000438	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	28000341	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	28000436	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	28000344	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	28000342	Diffuse	597 mm	12 pc(s).	0.102 kg

ACL ENDCAP LLE24 PUSH-FIX

Product description

- ENDCAP for LLE 24
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm), for drilling hole 4 mm
- Made of polycarbonate



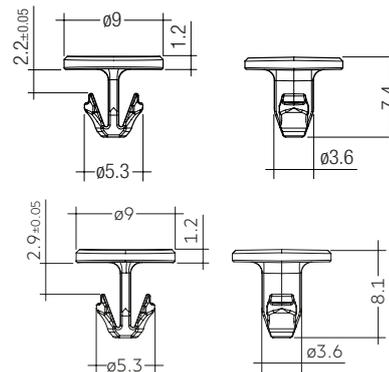
Ordering data

Type	Article number	Colour	Packaging, carton	Weight per pc.
ACL ENDCAP LLE24 PUSH-FIX	28001037	White	480 pc(s).	0.003 kg

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm) for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

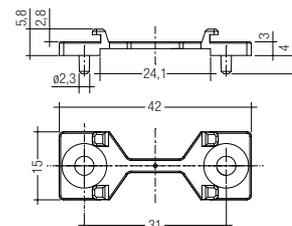
¹⁾ Minimum sales quantity 500 pcs.

RoHS

BRIDGE LLE24/40

Product description

- Enables the fixation of 24 mm wide Tridonic LED modules to fixtures made for 40 mm wide modules
- Ideal for extruded aluminium gear trays made for 40 mm modules with pre-alignment knobs
- Clip-on for LINEAR COVER and LINEAR LENS ²⁾
- For LLE 24 with 280 mm module minimum 2 bridges required
- For LLE 24 with 560 mm module minimum 3 bridges required
- Fixation via M3 or M4 countersunk screw, max. tightening torque 0.5 Nm
- BRIDGE made of white polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL BRIDGE LLE24/40 SCREW-FIX	28001205	White	600 pc(s).	0.001 kg

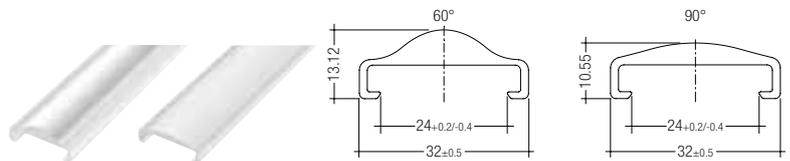
¹⁾ Minimum sales quantity 600 pcs.

²⁾ Beam characteristics will change due to the elevated fixation (see photometric files for details).

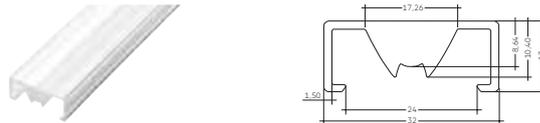
LINEAR LENS

Product description

- Linear lens for LLE 24
- Available with different beam characteristics
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Available lengths: 1,200, 1,500, 1,600 and 1,800 mm,
Tolerance: + 10 mm, at 1,600 mm
± 20 mm tolerances and ends raw
- Photometric data available on website



ACL LINEAR LENS 24mm 60° and 90°



ACL LINEAR LENS 24mm INTENSE



ACL LINEAR LENS 24mm BATWING



ACL LINEAR LENS 24mm ASY



ACL LINEAR LENS 24mm DASY

Ordering data

Type	Article number	Beam characteristic	Efficiency	Packaging, carton	Weight per pc.
ACL LINEAR LENS 24x1200mm 60°	28001428	60°	97 %	21 pc(s).	0.196 kg
ACL LINEAR LENS 24x1200mm 90°	28001429	90°	97 %	21 pc(s).	0.165 kg
ACL LINEAR LENS 24x1600mm 60°	28000953	60°	97 %	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	28000955	90°	97 %	21 pc(s).	0.221 kg
ACL LINEAR LENS 24x1200mm INTENSE	28002024	40°	95 %	18 pc(s).	0.261 kg
ACL LINEAR LENS 24x1500mm INTENSE	28002025	40°	95 %	18 pc(s).	0.326 kg
ACL LINEAR LENS 24x1800mm INTENSE	28002026	40°	95 %	18 pc(s).	0.392 kg
ACL LINEAR LENS 24x1200mm BATWING	28002027	batwing	95 %	18 pc(s).	0.275 kg
ACL LINEAR LENS 24x1500mm BATWING	28002028	batwing	95 %	18 pc(s).	0.344 kg
ACL LINEAR LENS 24x1800mm BATWING	28002029	batwing	95 %	18 pc(s).	0.412 kg
ACL LINEAR LENS 24x1200mm ASY	28002030	asymmetric	95 %	18 pc(s).	0.250 kg
ACL LINEAR LENS 24x1500mm ASY	28002031	asymmetric	95 %	18 pc(s).	0.312 kg
ACL LINEAR LENS 24x1800mm ASY	28002032	asymmetric	95 %	18 pc(s).	0.375 kg
ACL LINEAR LENS 24x1200mm DASY	28002033	double asymmetric	92 %	18 pc(s).	0.249 kg
ACL LINEAR LENS 24x1500mm DASY	28002034	double asymmetric	92 %	18 pc(s).	0.311 kg
ACL LINEAR LENS 24x1800mm DASY	28002035	double asymmetric	92 %	18 pc(s).	0.373 kg

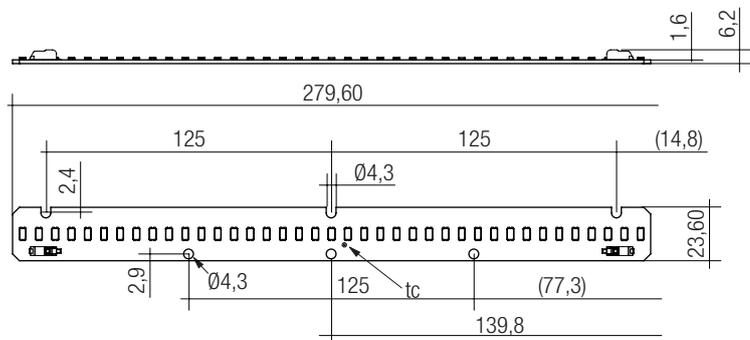


Module LLE 24x280mm 2000lm EXC

Module LLE EXCITE

Product description

- Ideal for linear and panel lights in industrial applications
 - Reliable, high life-time solution and extended temperature range in combination with the INDUSTRY control gears
 - Luminous flux range from 2,230 – 3,150 lm
 - LED system solution with outstanding system efficacy up to 128 lm/W
 - Efficacy of the module up to 145 lm/W
 - High colour rendering index CRI > 80
 - Small colour tolerance (MacAdam 3) ⁴⁾
 - Colour temperatures 3,000, 4,000, 5,000 and 6,500 K
 - Perfectly uniform light, even if several LED modules are used together in a line
 - Push terminals for simple wiring
 - Simple installation via clips or screws
 - Long life-time
 - 8-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Beam characteristic	130°
Ambient temperature range	-40 ... +70 °C
tp rated	65 °C
tc	95 °C
I _{rated}	350 mA
I _{max}	550 mA
Max. permissible LF current ripple	1,150 mA
Max. permissible peak current	1,200 mA / max. 10 µs
Max. working voltage for insulation ¹⁾	300 V
Insulation test voltage	1,6 kV
ESD classification	Severity level 4
Risk group (EN 62471:2008)	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IPO0

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
LLE 24x280mm 2000lm 830 EXC	89602077	3,000 K	210 pc(s).	0.024 kg
LLE 24x280mm 2000lm 840 EXC	89602078	4,000 K	210 pc(s).	0.024 kg
LLE 24x280mm 2000lm 850 EXC	89602079	5,000 K	210 pc(s).	0.024 kg
LLE 24x280mm 2000lm 865 EXC	89602080	6,500 K	210 pc(s).	0.024 kg



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type ²⁾	Photometric code	Typ. luminous flux at tp = 25 °C ³⁾	Typ. luminous flux at tp = 65 °C ³⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ³⁾	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI
Operating mode HE											
LLE 24x280mm 2000lm 830 EXC	830/349	2,300 lm	2,230 lm	350 mA	45.3 V	54.0 V	15.9 W	142 lm/W	140 lm/W	127 lm/W	> 80
LLE 24x280mm 2000lm 840 EXC	840/349	2,350 lm	2,240 lm	350 mA	45.3 V	54.0 V	15.9 W	145 lm/W	141 lm/W	128 lm/W	> 80
LLE 24x280mm 2000lm 850 EXC	850/349	2,350 lm	2,240 lm	350 mA	45.3 V	54.0 V	15.9 W	145 lm/W	141 lm/W	128 lm/W	> 80
LLE 24x280mm 2000lm 865 EXC	865/349	2,350 lm	2,240 lm	350 mA	45.3 V	54.0 V	15.9 W	145 lm/W	141 lm/W	128 lm/W	> 80
Operating mode HO											
LLE 24x280mm 2000lm 830 EXC	830/349	3,110 lm	2,900 lm	500 mA	47.4 V	56.6 V	23.9 W	128 lm/W	121 lm/W	113 lm/W	> 80
LLE 24x280mm 2000lm 840 EXC	840/349	3,150 lm	2,940 lm	500 mA	47.4 V	56.6 V	23.9 W	130 lm/W	123 lm/W	114 lm/W	> 80
LLE 24x280mm 2000lm 850 EXC	850/349	3,150 lm	2,940 lm	500 mA	47.4 V	56.6 V	23.9 W	130 lm/W	123 lm/W	114 lm/W	> 80
LLE 24x280mm 2000lm 865 EXC	865/349	3,150 lm	2,940 lm	500 mA	47.4 V	56.6 V	23.9 W	130 lm/W	123 lm/W	114 lm/W	> 80

¹⁾ If mounted with M4 screws and plastic washers.

²⁾ HE ... high efficiency, HO ... high output.

³⁾ Tolerance range for optical and electrical data: ±10 %.

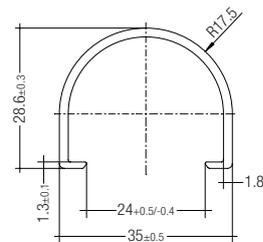
⁴⁾ Integral measurement over the complete module.

ACCESSORIES

LINEAR COVER SY

Product description

- LINEAR COVER / ENDCAP for LLE 24
- Protection against direct touch for non-SELV applications
- Mounting COVER: Fast snap on mounting on to LLE 24 with clips or plastic washers
- Mounting ENDCAP: Fast snap on mounting (sheet thickness 0.5 – 1.0 mm), for drilling hole 4 mm
- High transmission:
 - transparent 94 %
 - semi-transparent 87 %
 - diffuse 76 %
- Linear cover made of PMMA
- Endcap made of polycarbonate
- Tolerances LINEAR COVER:
 - ± 1 mm for 597 mm length (ends finished)
 - + 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm length (ends raw)



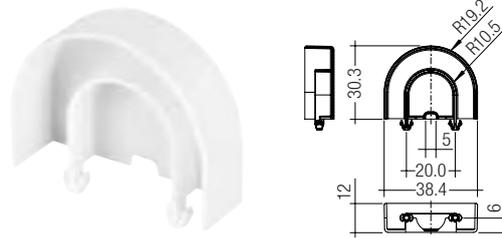
Ordering data

Type	Article number	Colour	Length	Packaging carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	28000338	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	28000437	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	28000339	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	28000435	Semi-transparent	1,500 mm	12 pc(s).	0.244 kg
LINEAR COVER SY Frosted 1200mm	28000422	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	28000340	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	28000438	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	28000341	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	28000436	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	28000434	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	28000342	Diffuse	597 mm	12 pc(s).	0.102 kg

ACL ENDCAP LLE24 PUSH-FIX

Product description

- ENDCAP for LLE 24
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm), for drilling hole 4 mm
- Made of polycarbonate



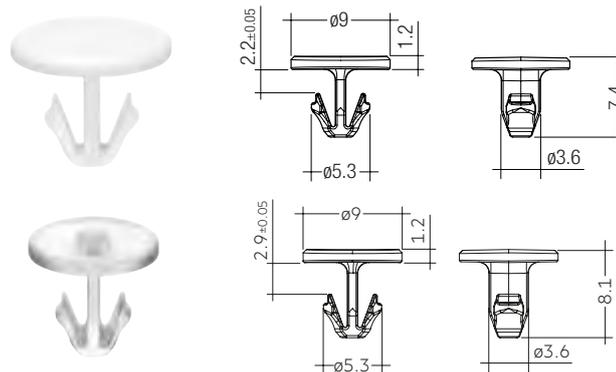
Ordering data

Type	Article number	Colour	Packaging, carton	Weight per pc.
ACL ENDCAP LLE24 PUSH-FIX	28001037	White	480 pc(s).	0.003 kg

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm) for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

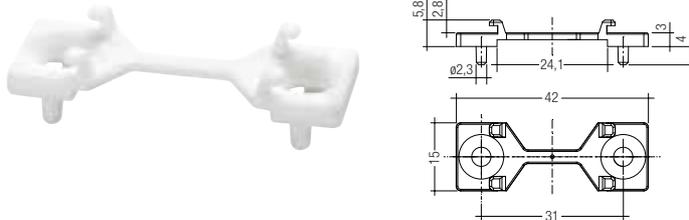
¹⁾ Minimum sales quantity 500 pcs.

RoHS

BRIDGE LLE24/40

Product description

- Enables the fixation of 24 mm wide Tridonic LED modules to fixtures made for 40 mm wide modules
- Ideal for extruded aluminium gear trays made for 40 mm modules with pre-alignment knobs
- Clip-on for LINEAR COVER and LINEAR LENS ²⁾
- For LLE 24 with 280 mm module minimum 2 bridges required
- For LLE 24 with 560 mm module minimum 3 bridges required
- Fixation via M3 or M4 countersunk screw, max. tightening torque 0.5 Nm
- BRIDGE made of white polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL BRIDGE LLE24/40 SCREW-FIX	28001205	White	600 pc(s).	0.001 kg

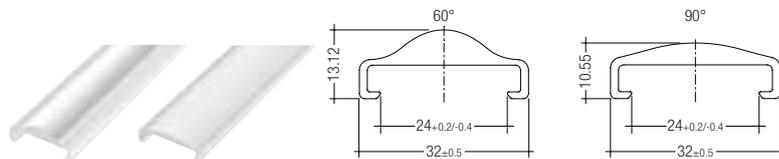
¹⁾ Minimum sales quantity 600 pcs.

²⁾ Beam characteristics will change due to the elevated fixation (see photometric files for details).

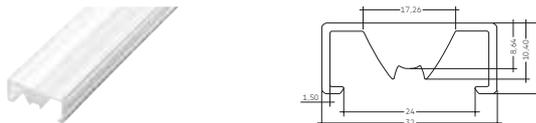
LINEAR LENS

Product description

- Linear lens for LLE 24
- Available with different beam characteristics
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Available lengths: 1,200, 1,500, 1,600 and 1,800 mm,
Tolerance: + 10 mm, at 1,600 mm
± 20 mm tolerances and ends raw
- Photometric data available on website



ACL LINEAR LENS 24mm 60° and 90°



ACL LINEAR LENS 24mm INTENSE



ACL LINEAR LENS 24mm BATWING



ACL LINEAR LENS 24mm ASY



ACL LINEAR LENS 24mm DASY

Ordering data

Type	Article number	Beam characteristic	Efficiency	Packaging, carton	Weight per pc.
ACL LINEAR LENS 24x1200mm 60°	28001428	60°	97 %	21 pc(s).	0.196 kg
ACL LINEAR LENS 24x1200mm 90°	28001429	90°	97 %	21 pc(s).	0.165 kg
ACL LINEAR LENS 24x1600mm 60°	28000953	60°	97 %	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	28000955	90°	97 %	21 pc(s).	0.221 kg
ACL LINEAR LENS 24x1200mm INTENSE	28002024	40°	95 %	18 pc(s).	0.261 kg
ACL LINEAR LENS 24x1500mm INTENSE	28002025	40°	95 %	18 pc(s).	0.326 kg
ACL LINEAR LENS 24x1800mm INTENSE	28002026	40°	95 %	18 pc(s).	0.392 kg
ACL LINEAR LENS 24x1200mm BATWING	28002027	batwing	95 %	18 pc(s).	0.275 kg
ACL LINEAR LENS 24x1500mm BATWING	28002028	batwing	95 %	18 pc(s).	0.344 kg
ACL LINEAR LENS 24x1800mm BATWING	28002029	batwing	95 %	18 pc(s).	0.412 kg
ACL LINEAR LENS 24x1200mm ASY	28002030	asymmetric	95 %	18 pc(s).	0.250 kg
ACL LINEAR LENS 24x1500mm ASY	28002031	asymmetric	95 %	18 pc(s).	0.312 kg
ACL LINEAR LENS 24x1800mm ASY	28002032	asymmetric	95 %	18 pc(s).	0.375 kg
ACL LINEAR LENS 24x1200mm DASY	28002033	double asymmetric	92 %	18 pc(s).	0.249 kg
ACL LINEAR LENS 24x1500mm DASY	28002034	double asymmetric	92 %	18 pc(s).	0.311 kg
ACL LINEAR LENS 24x1800mm DASY	28002035	double asymmetric	92 %	18 pc(s).	0.373 kg



Modul LLE G4 16mm 650lm ADV

Module LLE ADVANCED

Product description

- Ideal for compact linear luminaire designs
 - Homogenous illumination thanks to small package distance
 - SELV module – the single module has a forward voltage < 60 V
 - Typ. luminous flux 325, 650 and 1,300 lm
 - LED system solution with outstanding system efficacy up to 166 lm/W, consisting of linear LED modules and dimmable LED Driver LCA 50W 100–400mA Ip PRE
 - Efficacy of the module up to 186 lm/W
 - High colour rendering index CRI > 80
 - Small colour tolerance MacAdam 3¹⁾
 - Small luminous flux tolerances
 - Colour temperatures 2,700 K, 3,000 K, 4,000 K, 5,000 K and 6,500 K
 - Perfectly uniform light, even if several LED modules are used together in a line
 - Push terminals for quick and simple wiring of LED module to LED module
 - Simple installation (e.g. screws)
 - Long life-time: 50,000 hours (L80F10)
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

For colour temperatures and tolerances see data sheet



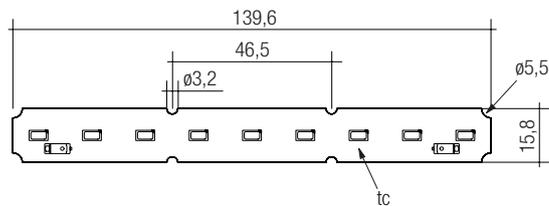
LLE G4 16x140mm 325lm ADV



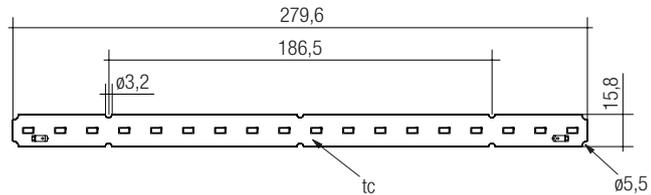
LLE G4 16x280mm 650lm ADV



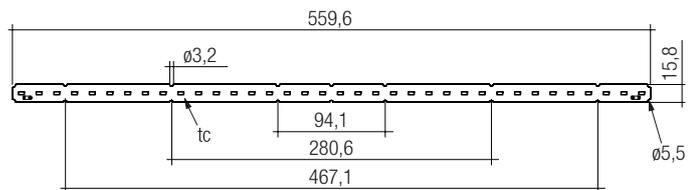
LLE G4 16x560mm 1300lm ADV



LLE G4 16x140mm 325lm ADV



LLE G4 16x280mm 650lm ADV



LLE G4 16x560mm 1300lm ADV

Technical data

Beam characteristic	120°
Ambient temperature range	-40 ... +65 °C
tp rated	65 °C
tc	85 °C
Irated	225 mA
I _{max}	500 mA
Max. DC forward current	600 mA
Max. permissible LF current ripple	660 mA
Max. permissible peak current	780 mA / max. 10 ms
Max. working voltage for insulation ²⁾	400 V
Insulation test voltage	1.8 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (IEC 62471:2008) ³⁾	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IPO0

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
LLE G4 16x140mm 325lm 827 2T ADV	28001718	2,700 K	600 pc(s).	0.010 kg
LLE G4 16x140mm 325lm 830 2T ADV	28001719	3,000 K	600 pc(s).	0.010 kg
LLE G4 16x140mm 325lm 840 2T ADV	28001720	4,000 K	600 pc(s).	0.010 kg
LLE G4 16x140mm 325lm 850 2T ADV	28001721	5,000 K	600 pc(s).	0.010 kg
LLE G4 16x140mm 325lm 865 2T ADV	28001722	6,500 K	600 pc(s).	0.010 kg
LLE G4 16x280mm 650lm 827 2T ADV	28001723	2,700 K	400 pc(s).	0.020 kg
LLE G4 16x280mm 650lm 830 2T ADV	28001724	3,000 K	400 pc(s).	0.020 kg
LLE G4 16x280mm 650lm 840 2T ADV	28001725	4,000 K	400 pc(s).	0.020 kg
LLE G4 16x280mm 650lm 850 2T ADV	28001726	5,000 K	400 pc(s).	0.020 kg
LLE G4 16x280mm 650lm 865 2T ADV	28001727	6,500 K	400 pc(s).	0.020 kg
LLE G4 16x560mm 1300lm 827 2T ADV	28001728	2,700 K	510 pc(s).	0.045 kg
LLE G4 16x560mm 1300lm 830 2T ADV	28001729	3,000 K	510 pc(s).	0.045 kg
LLE G4 16x560mm 1300lm 840 2T ADV	28001730	4,000 K	510 pc(s).	0.045 kg
LLE G4 16x560mm 1300lm 850 2T ADV	28001731	5,000 K	510 pc(s).	0.045 kg
LLE G4 16x560mm 1300lm 865 2T ADV	28001732	6,500 K	510 pc(s).	0.045 kg

Specific technical data

Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ²⁾	Typ. luminous flux at tp = 65 °C ³⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ³⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C	Efficacy of the system at tp = 65 °C	Colour rendering index CRI
Operating mode HE at 225 mA											
LLE G4 16x140mm 325lm 827 ADV	827/359	310 lm	300 lm	225 mA	7.7 V	9.0 V	1.9 W	165 lm/W	159 lm/W	146 lm/W	> 80
LLE G4 16x140mm 325lm 830 ADV	830/359	330 lm	320 lm	225 mA	7.7 V	9.0 V	1.9 W	174 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 16x140mm 325lm 840 ADV	840/359	350 lm	330 lm	225 mA	7.7 V	9.0 V	1.9 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 16x140mm 325lm 850 ADV	850/359	350 lm	340 lm	225 mA	7.7 V	9.0 V	1.9 W	186 lm/W	179 lm/W	166 lm/W	> 80
LLE G4 16x140mm 325lm 865 ADV	865/359	350 lm	330 lm	225 mA	7.7 V	9.0 V	1.9 W	184 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 16x280mm 650lm 827 ADV	827/359	630 lm	600 lm	225 mA	15.5 V	17.9 V	3.8 W	165 lm/W	159 lm/W	146 lm/W	> 80
LLE G4 16x280mm 650lm 830 ADV	830/359	660 lm	630 lm	225 mA	15.5 V	17.9 V	3.8 W	174 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 16x280mm 650lm 840 ADV	840/359	700 lm	660 lm	225 mA	15.5 V	17.9 V	3.8 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 16x280mm 650lm 850 ADV	850/359	710 lm	670 lm	225 mA	15.5 V	17.9 V	3.8 W	186 lm/W	179 lm/W	166 lm/W	> 80
LLE G4 16x280mm 650lm 865 ADV	865/359	700 lm	660 lm	225 mA	15.5 V	17.9 V	3.8 W	184 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 16x560mm 1300lm 827 ADV	827/359	1,250 lm	1,200 lm	225 mA	30.9 V	35.8 V	7.5 W	165 lm/W	159 lm/W	146 lm/W	> 80
LLE G4 16x560mm 1300lm 830 ADV	830/359	1,330 lm	1,270 lm	225 mA	30.9 V	35.8 V	7.5 W	174 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 16x560mm 1300lm 840 ADV	840/359	1,390 lm	1,320 lm	225 mA	30.9 V	35.8 V	7.5 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 16x560mm 1300lm 850 ADV	850/359	1,420 lm	1,340 lm	225 mA	30.9 V	35.8 V	7.5 W	186 lm/W	179 lm/W	166 lm/W	> 80
LLE G4 16x560mm 1300lm 865 ADV	865/359	1,400 lm	1,320 lm	225 mA	30.9 V	35.8 V	7.5 W	184 lm/W	176 lm/W	162 lm/W	> 80
Operating mode NM at 300 mA											
LLE G4 16x140mm 325lm 827 ADV	827/359	410 lm	390 lm	300 mA	7.9 V	9.1 V	2.5 W	160 lm/W	155 lm/W	143 lm/W	> 80
LLE G4 16x140mm 325lm 830 ADV	830/359	440 lm	420 lm	300 mA	7.9 V	9.1 V	2.5 W	170 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 16x140mm 325lm 840 ADV	840/359	460 lm	430 lm	300 mA	7.9 V	9.1 V	2.5 W	178 lm/W	171 lm/W	157 lm/W	> 80
LLE G4 16x140mm 325lm 850 ADV	850/359	470 lm	440 lm	300 mA	7.9 V	9.1 V	2.5 W	181 lm/W	174 lm/W	160 lm/W	> 80
LLE G4 16x140mm 325lm 865 ADV	865/359	460 lm	430 lm	300 mA	7.9 V	9.1 V	2.5 W	179 lm/W	171 lm/W	157 lm/W	> 80
LLE G4 16x280mm 650lm 827 ADV	827/359	820 lm	790 lm	300 mA	15.8 V	18.3 V	5.1 W	160 lm/W	155 lm/W	143 lm/W	> 80
LLE G4 16x280mm 650lm 830 ADV	830/359	870 lm	830 lm	300 mA	15.8 V	18.3 V	5.1 W	170 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 16x280mm 650lm 840 ADV	840/359	910 lm	870 lm	300 mA	15.8 V	18.3 V	5.1 W	178 lm/W	171 lm/W	157 lm/W	> 80
LLE G4 16x280mm 650lm 850 ADV	850/359	930 lm	880 lm	300 mA	15.8 V	18.3 V	5.1 W	181 lm/W	174 lm/W	160 lm/W	> 80
LLE G4 16x280mm 650lm 865 ADV	865/359	920 lm	870 lm	300 mA	15.8 V	18.3 V	5.1 W	179 lm/W	171 lm/W	157 lm/W	> 80
LLE G4 16x560mm 1300lm 827 ADV	827/359	1,650 lm	1,570 lm	300 mA	31.6 V	36.5 V	10.1 W	160 lm/W	155 lm/W	143 lm/W	> 80
LLE G4 16x560mm 1300lm 830 ADV	830/359	1,750 lm	1,660 lm	300 mA	31.6 V	36.5 V	10.1 W	170 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 16x560mm 1300lm 840 ADV	840/359	1,830 lm	1,740 lm	300 mA	31.6 V	36.5 V	10.1 W	178 lm/W	171 lm/W	157 lm/W	> 80
LLE G4 16x560mm 1300lm 850 ADV	850/359	1,870 lm	1,770 lm	300 mA	31.6 V	36.5 V	10.1 W	181 lm/W	174 lm/W	160 lm/W	> 80
LLE G4 16x560mm 1300lm 865 ADV	865/359	1,840 lm	1,740 lm	300 mA	31.6 V	36.5 V	10.1 W	179 lm/W	171 lm/W	157 lm/W	> 80
Operating mode NM at 350 mA											
LLE G4 16x140mm 325lm 827 ADV	827/359	480 lm	450 lm	350 mA	8.0 V	9.2 V	3.0 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G4 16x140mm 325lm 830 ADV	830/359	500 lm	480 lm	350 mA	8.0 V	9.2 V	3.0 W	166 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 16x140mm 325lm 840 ADV	840/359	530 lm	500 lm	350 mA	8.0 V	9.2 V	3.0 W	174 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 16x140mm 325lm 850 ADV	850/359	540 lm	510 lm	350 mA	8.0 V	9.2 V	3.0 W	177 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 16x140mm 325lm 865 ADV	865/359	530 lm	500 lm	350 mA	8.0 V	9.2 V	3.0 W	175 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 16x280mm 650lm 827 ADV	827/359	950 lm	910 lm	350 mA	16.0 V	18.5 V	6.0 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G4 16x280mm 650lm 830 ADV	830/359	1,010 lm	960 lm	350 mA	16.0 V	18.5 V	6.0 W	166 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 16x280mm 650lm 840 ADV	840/359	1,060 lm	1,000 lm	350 mA	16.0 V	18.5 V	6.0 W	174 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 16x280mm 650lm 850 ADV	850/359	1,080 lm	1,020 lm	350 mA	16.0 V	18.5 V	6.0 W	177 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 16x280mm 650lm 865 ADV	865/359	1,060 lm	1,000 lm	350 mA	16.0 V	18.5 V	6.0 W	175 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 16x560mm 1300lm 827 ADV	827/359	1,900 lm	1,820 lm	350 mA	32.0 V	36.9 V	12.0 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G4 16x560mm 1300lm 830 ADV	830/359	2,020 lm	1,920 lm	350 mA	32.0 V	36.9 V	12.0 W	166 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 16x560mm 1300lm 840 ADV	840/359	2,110 lm	2,000 lm	350 mA	32.0 V	36.9 V	12.0 W	174 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 16x560mm 1300lm 850 ADV	850/359	2,150 lm	2,040 lm	350 mA	32.0 V	36.9 V	12.0 W	177 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 16x560mm 1300lm 865 ADV	865/359	2,120 lm	2,010 lm	350 mA	32.0 V	36.9 V	12.0 W	175 lm/W	167 lm/W	154 lm/W	> 80

¹⁾ Integral measurement over the complete module.²⁾ If mounted with ACL BRIDGE LLE16 PUSH-FIX.³⁾ Measured at operating mode HO.⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.⁵⁾ Tolerance range for optical and electrical data: ±10 %.

Specific technical data

Type ⁴⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ⁵⁾	Typ. luminous flux at tp = 65 °C ⁵⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ⁵⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C	Efficacy of the system at tp = 65 °C	Colour rendering index CRI
Operating mode HO at 400 mA											
LLE G4 16x140mm 325lm 827 ADV	827/359	530 lm	510 lm	400 mA	8.1 V	9.3 V	3.5 W	151 lm/W	146 lm/W	134 lm/W	> 80
LLE G4 16x140mm 325lm 830 ADV	830/359	560 lm	530 lm	400 mA	8.1 V	9.3 V	3.5 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 16x140mm 325lm 840 ADV	840/359	590 lm	560 lm	400 mA	8.1 V	9.3 V	3.5 W	168 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 16x140mm 325lm 850 ADV	850/359	600 lm	570 lm	400 mA	8.1 V	9.3 V	3.5 W	171 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 16x140mm 325lm 865 ADV	865/359	600 lm	560 lm	400 mA	8.1 V	9.3 V	3.5 W	170 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 16x280mm 650lm 827 ADV	827/359	1,060 lm	1,010 lm	400 mA	16.2 V	18.7 V	6.9 W	151 lm/W	146 lm/W	134 lm/W	> 80
LLE G4 16x280mm 650lm 830 ADV	830/359	1,130 lm	1,070 lm	400 mA	16.2 V	18.7 V	6.9 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 16x280mm 650lm 840 ADV	840/359	1,180 lm	1,120 lm	400 mA	16.2 V	18.7 V	6.9 W	168 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 16x280mm 650lm 850 ADV	850/359	1,200 lm	1,130 lm	400 mA	16.2 V	18.7 V	6.9 W	171 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 16x280mm 650lm 865 ADV	865/359	1,190 lm	1,120 lm	400 mA	16.2 V	18.7 V	6.9 W	170 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 16x560mm 1300lm 827 ADV	827/359	2,120 lm	2,020 lm	400 mA	32.4 V	37.3 V	13.8 W	151 lm/W	146 lm/W	134 lm/W	> 80
LLE G4 16x560mm 1300lm 830 ADV	830/359	2,250 lm	2,140 lm	400 mA	32.4 V	37.3 V	13.8 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 16x560mm 1300lm 840 ADV	840/359	2,370 lm	2,240 lm	400 mA	32.4 V	37.3 V	13.8 W	168 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 16x560mm 1300lm 850 ADV	850/359	2,400 lm	2,270 lm	400 mA	32.4 V	37.3 V	13.8 W	171 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 16x560mm 1300lm 865 ADV	865/359	2,390 lm	2,250 lm	400 mA	32.4 V	37.3 V	13.8 W	170 lm/W	162 lm/W	149 lm/W	> 80
Operating mode HO at 450 mA											
LLE G4 16x140mm 325lm 827 ADV	827/359	590 lm	560 lm	450 mA	8.2 V	9.4 V	3.9 W	148 lm/W	144 lm/W	132 lm/W	> 80
LLE G4 16x140mm 325lm 830 ADV	830/359	630 lm	600 lm	450 mA	8.2 V	9.4 V	3.9 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G4 16x140mm 325lm 840 ADV	840/359	660 lm	620 lm	450 mA	8.2 V	9.4 V	3.9 W	165 lm/W	158 lm/W	145 lm/W	> 80
LLE G4 16x140mm 325lm 850 ADV	850/359	670 lm	630 lm	450 mA	8.2 V	9.4 V	3.9 W	168 lm/W	161 lm/W	148 lm/W	> 80
LLE G4 16x140mm 325lm 865 ADV	865/359	660 lm	620 lm	450 mA	8.2 V	9.4 V	3.9 W	165 lm/W	158 lm/W	145 lm/W	> 80
LLE G4 16x280mm 650lm 827 ADV	827/359	1,180 lm	1,130 lm	450 mA	16.4 V	18.9 V	7.8 W	148 lm/W	144 lm/W	132 lm/W	> 80
LLE G4 16x280mm 650lm 830 ADV	830/359	1,250 lm	1,190 lm	450 mA	16.4 V	18.9 V	7.8 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G4 16x280mm 650lm 840 ADV	840/359	1,310 lm	1,250 lm	450 mA	16.4 V	18.9 V	7.8 W	165 lm/W	158 lm/W	145 lm/W	> 80
LLE G4 16x280mm 650lm 850 ADV	850/359	1,340 lm	1,270 lm	450 mA	16.4 V	18.9 V	7.8 W	168 lm/W	161 lm/W	148 lm/W	> 80
LLE G4 16x280mm 650lm 865 ADV	865/359	1,320 lm	1,250 lm	450 mA	16.4 V	18.9 V	7.8 W	165 lm/W	158 lm/W	145 lm/W	> 80
LLE G4 16x560mm 1300lm 827 ADV	827/359	2,360 lm	2,260 lm	450 mA	32.8 V	37.7 V	15.7 W	148 lm/W	144 lm/W	132 lm/W	> 80
LLE G4 16x560mm 1300lm 830 ADV	830/359	2,500 lm	2,390 lm	450 mA	32.8 V	37.7 V	15.7 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G4 16x560mm 1300lm 840 ADV	840/359	2,620 lm	2,490 lm	450 mA	32.8 V	37.7 V	15.7 W	165 lm/W	158 lm/W	145 lm/W	> 80
LLE G4 16x560mm 1300lm 850 ADV	850/359	2,670 lm	2,530 lm	450 mA	32.8 V	37.7 V	15.7 W	168 lm/W	161 lm/W	148 lm/W	> 80
LLE G4 16x560mm 1300lm 865 ADV	865/359	2,640 lm	2,490 lm	450 mA	32.8 V	37.7 V	15.7 W	165 lm/W	158 lm/W	145 lm/W	> 80
Operating mode HO at 500 mA											
LLE G4 16x140mm 325lm 827 ADV	827/359	640 lm	610 lm	500 mA	8.3 V	9.5 V	4.4 W	144 lm/W	139 lm/W	128 lm/W	> 80
LLE G4 16x140mm 325lm 830 ADV	830/359	680 lm	650 lm	500 mA	8.3 V	9.5 V	4.4 W	152 lm/W	147 lm/W	135 lm/W	> 80
LLE G4 16x140mm 325lm 840 ADV	840/359	710 lm	680 lm	500 mA	8.3 V	9.5 V	4.4 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 16x140mm 325lm 850 ADV	850/359	730 lm	690 lm	500 mA	8.3 V	9.5 V	4.4 W	163 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 16x140mm 325lm 865 ADV	865/359	720 lm	680 lm	500 mA	8.3 V	9.5 V	4.4 W	161 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 16x280mm 650lm 827 ADV	827/359	1,290 lm	1,230 lm	500 mA	16.6 V	19.1 V	8.8 W	144 lm/W	139 lm/W	128 lm/W	> 80
LLE G4 16x280mm 650lm 830 ADV	830/359	1,360 lm	1,300 lm	500 mA	16.6 V	19.1 V	8.8 W	152 lm/W	147 lm/W	135 lm/W	> 80
LLE G4 16x280mm 650lm 840 ADV	840/359	1,430 lm	1,360 lm	500 mA	16.6 V	19.1 V	8.8 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 16x280mm 650lm 850 ADV	850/359	1,460 lm	1,380 lm	500 mA	16.6 V	19.1 V	8.8 W	163 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 16x280mm 650lm 865 ADV	865/359	1,440 lm	1,360 lm	500 mA	16.6 V	19.1 V	8.8 W	161 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 16x560mm 1300lm 827 ADV	827/359	2,580 lm	2,460 lm	500 mA	33.2 V	38.1 V	17.7 W	144 lm/W	139 lm/W	128 lm/W	> 80
LLE G4 16x560mm 1300lm 830 ADV	830/359	2,730 lm	2,600 lm	500 mA	33.2 V	38.1 V	17.7 W	152 lm/W	147 lm/W	135 lm/W	> 80
LLE G4 16x560mm 1300lm 840 ADV	840/359	2,860 lm	2,710 lm	500 mA	33.2 V	38.1 V	17.7 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 16x560mm 1300lm 850 ADV	850/359	2,910 lm	2,760 lm	500 mA	33.2 V	38.1 V	17.7 W	163 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 16x560mm 1300lm 865 ADV	865/359	2,870 lm	2,720 lm	500 mA	33.2 V	38.1 V	17.7 W	161 lm/W	154 lm/W	142 lm/W	> 80

¹⁾ Integral measurement over the complete module.

²⁾ If mounted with ACL BRIDGE LLE16 PUSH-FIX.

³⁾ Measured at operating mode HO.

⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.

⁵⁾ Tolerance range for optical and electrical data: ±10 %.

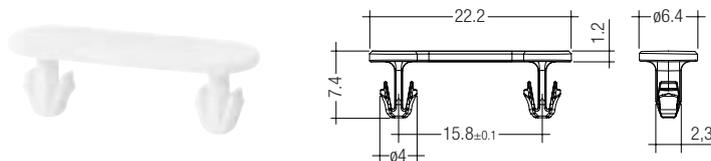
RoHS

ACCESSORIES

BRIDGE LLE16

Product description

- Clip for fixation for LLE16
- Fast snap on mounting (for sheet thickness 0.5 – 1.0 mm)
- For drilling hole 3 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL BRIDGE LLE16 PUSH-FIX	28001035	White	200 pc(s).	0.001 kg

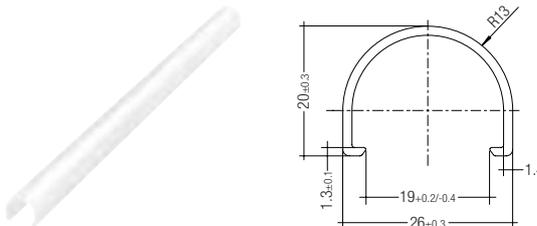
¹⁾ Minimum sales quantity 200 pcs.

ACCESSORIES

ACL LINEAR COVER 16x1600mm

Product description

- LINEAR COVER for LLE 16
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 16 with clips or plastic washers
- High transmission:
 - transparent 94 %
 - semi-transparent 87 %
 - diffuse 76 %
- Linear lense made of PMMA
- Tolerances LINEAR COVER: + 20 mm for 1,600 mm legth (ends raw)



Ordering data

Type	Article number	Colour	Length	Packaging, carton	Weight per pc.
ACL LINEAR COVER 16x1600mm TRANSPARENT	28000949	Transparent	1,600 mm	24 pc(s).	0.147 kg
ACL LINEAR COVER 16x1600mm FROSTED	28000950	Semi-transparent	1,600 mm	24 pc(s).	0.147 kg
ACL LINEAR COVER 16x1600mm DIFFUSE	28000951	Diffuse	1,600 mm	24 pc(s).	0.147 kg



Modul LLE G4 16mm 1250lm ADV

Module LLE ADVANCED

Product description

- Ideal for compact linear luminaires designs
 - Homogenous illumination thanks to small package distance
 - SELV module – the single module has a forward voltage < 60 V
 - Typ. luminous flux 650, 1,250 and 2,400 lm
 - LED system solution with outstanding system efficacy up to 166 lm/W, consisting of linear LED module and dimmable LED Driver LCA 50W 100 – 400mA Ip PRE
 - Efficacy of the module up to 187 lm/W
 - High colour rendering index CRI > 80
 - Small colour tolerance MacAdam 3rd
 - Small luminous flux tolerances
 - Colour temperatures 2,700, 3,000, 4,000, 5,000 and 6,500 K
 - Perfectly uniform light, even if several LED modules are used together in a line
 - Push terminals for quick and simple wiring of LED module to LED module
 - Simple installation (e.g. screws)
 - Long life-time: 50,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

For colour temperatures and tolerances see data sheet

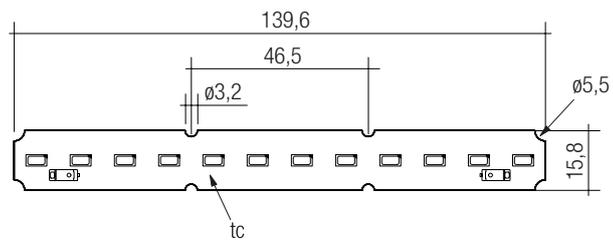


LLE G4 16x140mm 650lm ADV

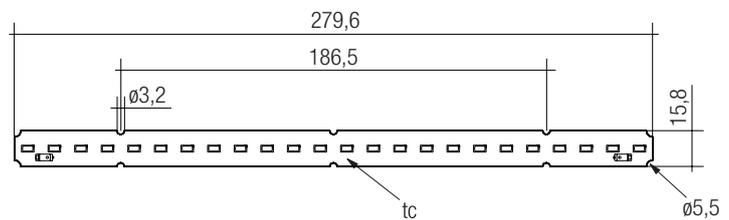
LLE G4 16x280mm 1250lm ADV



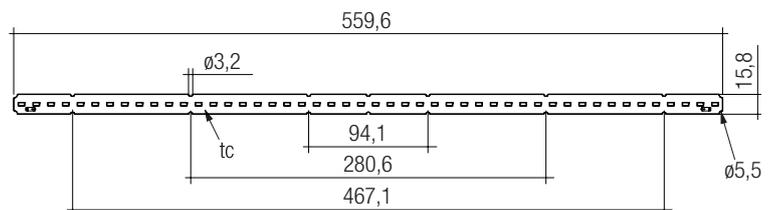
LLE G4 16x560mm 2400lm ADV



LLE G4 16x140mm 650lm ADV



LLE G4 16x280mm 1250lm ADV



LLE G4 16x560mm 2400lm ADV

Technical data

Beam characteristic	120°
Ambient temperature range	-40 ... +65 °C
tp rated	65 °C
tc	85 °C
Irated	325 mA
I _{max}	500 mA
Max. DC forward current	600 mA
Max. permissible LF current ripple	660 mA
Max. permissible peak current	780 mA / max. 10 ms
Max. working voltage for insulation ²⁾	400 V
Insulation test voltage	1.8 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (EN 62471:2008) ³⁾	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
LLE G4 16x140mm 650lm 827 2T ADV	28001733	2,700 K	600 pc(s).	0.010 kg
LLE G4 16x140mm 650lm 830 2T ADV	28001734	3,000 K	600 pc(s).	0.010 kg
LLE G4 16x140mm 650lm 840 2T ADV	28001735	4,000 K	600 pc(s).	0.010 kg
LLE G4 16x140mm 650lm 850 2T ADV	28001736	5,000 K	600 pc(s).	0.010 kg
LLE G4 16x140mm 650lm 865 2T ADV	28001737	6,500 K	600 pc(s).	0.010 kg
LLE G4 16x280mm 1250lm 827 2T ADV	28001738	2,700 K	400 pc(s).	0.020 kg
LLE G4 16x280mm 1250lm 830 2T ADV	28001739	3,000 K	400 pc(s).	0.020 kg
LLE G4 16x280mm 1250lm 840 2T ADV	28001740	4,000 K	400 pc(s).	0.020 kg
LLE G4 16x280mm 1250lm 850 2T ADV	28001741	5,000 K	400 pc(s).	0.020 kg
LLE G4 16x280mm 1250lm 865 2T ADV	28001742	6,500 K	400 pc(s).	0.020 kg
LLE G4 16x560mm 2400lm 827 2T ADV	28001743	2,700 K	480 pc(s).	0.045 kg
LLE G4 16x560mm 2400lm 830 2T ADV	28001744	3,000 K	480 pc(s).	0.045 kg
LLE G4 16x560mm 2400lm 840 2T ADV	28001745	4,000 K	480 pc(s).	0.045 kg
LLE G4 16x560mm 2400lm 850 2T ADV	28001746	5,000 K	480 pc(s).	0.045 kg
LLE G4 16x560mm 2400lm 865 2T ADV	28001747	6,500 K	480 pc(s).	0.045 kg

Specific technical data

Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ²⁾	Typ. luminous flux at tp = 65 °C ³⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ⁵⁾	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI
Operating mode HE at 225 mA											
LLE G4 16x140mm 650lm 827 2T ADV	827/359	420 lm	400 lm	225 mA	10.3 V	12.2 V	2.5 W	165 lm/W	159 lm/W	146 lm/W	> 80
LLE G4 16x140mm 650lm 830 2T ADV	830/359	440 lm	420 lm	225 mA	10.3 V	12.2 V	2.5 W	175 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 16x140mm 650lm 840 2T ADV	840/359	460 lm	440 lm	225 mA	10.3 V	12.2 V	2.5 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 16x140mm 650lm 850 2T ADV	850/359	470 lm	450 lm	225 mA	10.3 V	12.2 V	2.5 W	187 lm/W	180 lm/W	166 lm/W	> 80
LLE G4 16x140mm 650lm 865 2T ADV	865/359	470 lm	440 lm	225 mA	10.3 V	12.2 V	2.5 W	184 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 16x280mm 1250lm 827 2T ADV	827/359	840 lm	800 lm	225 mA	20.6 V	23.9 V	5.0 W	165 lm/W	159 lm/W	146 lm/W	> 80
LLE G4 16x280mm 1250lm 830 2T ADV	830/359	890 lm	840 lm	225 mA	20.6 V	23.9 V	5.0 W	175 lm/W	169 lm/W	156 lm/W	> 80
LLE G4 16x280mm 1250lm 840 2T ADV	840/359	930 lm	880 lm	225 mA	20.6 V	23.9 V	5.0 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 16x280mm 1250lm 850 2T ADV	850/359	950 lm	900 lm	225 mA	20.6 V	23.9 V	5.0 W	187 lm/W	180 lm/W	166 lm/W	> 80
LLE G4 16x280mm 1250lm 865 2T ADV	865/359	930 lm	880 lm	225 mA	20.6 V	23.9 V	5.0 W	184 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 16x560mm 2400lm 827 2T ADV	827/359	1,670 lm	1,600 lm	225 mA	41.3 V	47.8 V	10.0 W	165 lm/W	159 lm/W	146 lm/W	> 80
LLE G4 16x560mm 2400lm 830 2T ADV	830/359	1,770 lm	1,690 lm	225 mA	41.3 V	47.8 V	10.0 W	175 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 16x560mm 2400lm 840 2T ADV	840/359	1,850 lm	1,760 lm	225 mA	41.3 V	47.8 V	10.0 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 16x560mm 2400lm 850 2T ADV	850/359	1,890 lm	1,790 lm	225 mA	41.3 V	47.8 V	10.0 W	187 lm/W	180 lm/W	166 lm/W	> 80
LLE G4 16x560mm 2400lm 865 2T ADV	865/359	1,860 lm	1,760 lm	225 mA	41.3 V	47.8 V	10.0 W	184 lm/W	176 lm/W	162 lm/W	> 80
Operating mode HE at 275 mA											
LLE G4 16x140mm 650lm 827 2T ADV	827/359	510 lm	480 lm	275 mA	10.5 V	12.3 V	3.1 W	161 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 16x140mm 650lm 830 2T ADV	830/359	540 lm	510 lm	275 mA	10.5 V	12.3 V	3.1 W	171 lm/W	166 lm/W	153 lm/W	> 80
LLE G4 16x140mm 650lm 840 2T ADV	840/359	560 lm	530 lm	275 mA	10.5 V	12.3 V	3.1 W	180 lm/W	173 lm/W	159 lm/W	> 80
LLE G4 16x140mm 650lm 850 2T ADV	850/359	570 lm	540 lm	275 mA	10.5 V	12.3 V	3.1 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 16x140mm 650lm 865 2T ADV	865/359	570 lm	530 lm	275 mA	10.5 V	12.3 V	3.1 W	180 lm/W	173 lm/W	160 lm/W	> 80
LLE G4 16x280mm 1250lm 827 2T ADV	827/359	1,010 lm	970 lm	275 mA	20.9 V	24.2 V	6.2 W	161 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 16x280mm 1250lm 830 2T ADV	830/359	1,070 lm	1,020 lm	275 mA	20.9 V	24.2 V	6.2 W	171 lm/W	166 lm/W	153 lm/W	> 80
LLE G4 16x280mm 1250lm 840 2T ADV	840/359	1,120 lm	1,070 lm	275 mA	20.9 V	24.2 V	6.2 W	180 lm/W	173 lm/W	159 lm/W	> 80
LLE G4 16x280mm 1250lm 850 2T ADV	850/359	1,150 lm	1,090 lm	275 mA	20.9 V	24.2 V	6.2 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 16x280mm 1250lm 865 2T ADV	865/359	1,130 lm	990 lm	275 mA	20.9 V	24.2 V	6.2 W	180 lm/W	173 lm/W	159 lm/W	> 80
LLE G4 16x560mm 2400lm 827 2T ADV	827/359	2,030 lm	1,930 lm	275 mA	41.9 V	48.4 V	12.3 W	161 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 16x560mm 2400lm 830 2T ADV	830/359	2,150 lm	2,040 lm	275 mA	41.9 V	48.4 V	12.3 W	171 lm/W	166 lm/W	153 lm/W	> 80
LLE G4 16x560mm 2400lm 840 2T ADV	840/359	2,250 lm	2,130 lm	275 mA	41.9 V	48.4 V	12.3 W	180 lm/W	173 lm/W	159 lm/W	> 80
LLE G4 16x560mm 2400lm 850 2T ADV	850/359	2,290 lm	2,170 lm	275 mA	41.9 V	48.4 V	12.3 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 16x560mm 2400lm 865 2T ADV	865/359	2,260 lm	2,130 lm	275 mA	41.9 V	48.4 V	12.3 W	180 lm/W	173 lm/W	159 lm/W	> 80
Operating mode NM at 300 mA											
LLE G4 16x140mm 650lm 827 2T ADV	827/359	550 lm	530 lm	300 mA	10.5 V	12.4 V	3.4 W	160 lm/W	155 lm/W	143 lm/W	> 80
LLE G4 16x140mm 650lm 830 2T ADV	830/359	580 lm	550 lm	300 mA	10.5 V	12.4 V	3.4 W	170 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 16x140mm 650lm 840 2T ADV	840/359	610 lm	580 lm	300 mA	10.5 V	12.4 V	3.4 W	178 lm/W	171 lm/W	157 lm/W	> 80
LLE G4 16x140mm 650lm 850 2T ADV	850/359	620 lm	590 lm	300 mA	10.5 V	12.4 V	3.4 W	181 lm/W	174 lm/W	160 lm/W	> 80
LLE G4 16x140mm 650lm 865 2T ADV	865/359	610 lm	580 lm	300 mA	10.5 V	12.4 V	3.4 W	179 lm/W	171 lm/W	157 lm/W	> 80
LLE G4 16x280mm 1250lm 827 2T ADV	827/359	1,100 lm	1,050 lm	300 mA	21.1 V	24.4 V	6.8 W	160 lm/W	155 lm/W	143 lm/W	> 80
LLE G4 16x280mm 1250lm 830 2T ADV	830/359	1,160 lm	1,110 lm	300 mA	21.1 V	24.4 V	6.8 W	170 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 16x280mm 1250lm 840 2T ADV	840/359	1,220 lm	1,160 lm	300 mA	21.1 V	24.4 V	6.8 W	178 lm/W	171 lm/W	157 lm/W	> 80
LLE G4 16x280mm 1250lm 850 2T ADV	850/359	1,240 lm	1,180 lm	300 mA	21.1 V	24.4 V	6.8 W	181 lm/W	174 lm/W	160 lm/W	> 80
LLE G4 16x280mm 1250lm 865 2T ADV	865/359	1,230 lm	1,160 lm	300 mA	21.1 V	24.4 V	6.8 W	179 lm/W	171 lm/W	157 lm/W	> 80
LLE G4 16x560mm 2400lm 827 2T ADV	827/359	2,200 lm	2,100 lm	300 mA	42.2 V	48.7 V	13.5 W	160 lm/W	155 lm/W	143 lm/W	> 80
LLE G4 16x560mm 2400lm 830 2T ADV	830/359	2,330 lm	2,220 lm	300 mA	42.2 V	48.7 V	13.5 W	170 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 16x560mm 2400lm 840 2T ADV	840/359	2,440 lm	2,320 lm	300 mA	42.2 V	48.7 V	13.5 W	178 lm/W	171 lm/W	157 lm/W	> 80
LLE G4 16x560mm 2400lm 850 2T ADV	850/359	2,490 lm	2,360 lm	300 mA	42.2 V	48.7 V	13.5 W	181 lm/W	174 lm/W	160 lm/W	> 80
LLE G4 16x560mm 2400lm 865 2T ADV	865/359	2,450 lm	2,320 lm	300 mA	42.2 V	48.7 V	13.5 W	179 lm/W	171 lm/W	157 lm/W	> 80

¹⁾ Integral measurement over the complete module.²⁾ If mounted with ACL BRIDGE LLE16 PUSH-FIX.³⁾ Measured at operating mode HO.⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.⁵⁾ Tolerance range for optical and electrical data: ±10 %.

Specific technical data

Type ⁴⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ⁵⁾	Typ. luminous flux at tp = 65 °C ⁵⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ⁵⁾	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI
Operating mode NM at 325 mA											
LLE G4 16x140mm 650lm 827 2T ADV	827/359	590 lm	560 lm	325 mA	10.6 V	12.5 V	3.7 W	158 lm/W	153 lm/W	141 lm/W	> 80
LLE G4 16x140mm 650lm 830 2T ADV	830/359	630 lm	600 lm	325 mA	10.6 V	12.5 V	3.7 W	167 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 16x140mm 650lm 840 2T ADV	840/359	660 lm	630 lm	325 mA	10.6 V	12.5 V	3.7 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 16x140mm 650lm 850 2T ADV	850/359	670 lm	630 lm	325 mA	10.6 V	12.5 V	3.7 W	178 lm/W	172 lm/W	158 lm/W	> 80
LLE G4 16x140mm 650lm 865 2T ADV	865/359	660 lm	630 lm	325 mA	10.6 V	12.5 V	3.7 W	177 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 16x280mm 1250lm 827 2T ADV	827/359	1,180 lm	1,130 lm	325 mA	21.2 V	24.5 V	7.4 W	158 lm/W	153 lm/W	141 lm/W	> 80
LLE G4 16x280mm 1250lm 830 2T ADV	830/359	1,250 lm	1,190 lm	325 mA	21.2 V	24.5 V	7.4 W	167 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 16x280mm 1250lm 840 2T ADV	840/359	1,320 lm	1,250 lm	325 mA	21.2 V	24.5 V	7.4 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 16x280mm 1250lm 850 2T ADV	850/359	1,340 lm	1,260 lm	325 mA	21.2 V	24.5 V	7.4 W	178 lm/W	172 lm/W	158 lm/W	> 80
LLE G4 16x280mm 1250lm 865 2T ADV	865/359	1,330 lm	1,250 lm	325 mA	21.2 V	24.5 V	7.4 W	177 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 16x560mm 2400lm 827 2T ADV	827/359	2,360 lm	2,250 lm	325 mA	42.4 V	49.0 V	14.7 W	158 lm/W	153 lm/W	141 lm/W	> 80
LLE G4 16x560mm 2400lm 830 2T ADV	830/359	2,500 lm	2,380 lm	325 mA	42.4 V	49.0 V	14.7 W	167 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 16x560mm 2400lm 840 2T ADV	840/359	2,630 lm	2,500 lm	325 mA	42.4 V	49.0 V	14.7 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 16x560mm 2400lm 850 2T ADV	850/359	2,670 lm	2,530 lm	325 mA	42.4 V	49.0 V	14.7 W	178 lm/W	172 lm/W	158 lm/W	> 80
LLE G4 16x560mm 2400lm 865 2T ADV	865/359	2,650 lm	2,500 lm	325 mA	42.4 V	49.0 V	14.7 W	177 lm/W	170 lm/W	156 lm/W	> 80
Operating mode NM at 350 mA											
LLE G4 16x140mm 650lm 827 2T ADV	827/359	630 lm	610 lm	350 mA	10.7 V	12.6 V	4.0 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G4 16x140mm 650lm 830 2T ADV	830/359	670 lm	640 lm	350 mA	10.7 V	12.6 V	4.0 W	166 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 16x140mm 650lm 840 2T ADV	840/359	700 lm	670 lm	350 mA	10.7 V	12.6 V	4.0 W	174 lm/W	167 lm/W	153 lm/W	> 80
LLE G4 16x140mm 650lm 850 2T ADV	850/359	720 lm	680 lm	350 mA	10.7 V	12.6 V	4.0 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 16x140mm 650lm 865 2T ADV	865/359	710 lm	670 lm	350 mA	10.7 V	12.6 V	4.0 W	175 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 16x280mm 1250lm 827 2T ADV	827/359	1,270 lm	1,210 lm	350 mA	21.4 V	24.6 V	8.0 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G4 16x280mm 1250lm 830 2T ADV	830/359	1,340 lm	1,280 lm	350 mA	21.4 V	24.6 V	8.0 W	166 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 16x280mm 1250lm 840 2T ADV	840/359	1,410 lm	1,340 lm	350 mA	21.4 V	24.6 V	8.0 W	174 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 16x280mm 1250lm 850 2T ADV	850/359	1,440 lm	1,360 lm	350 mA	21.4 V	24.6 V	8.0 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 16x280mm 1250lm 865 2T ADV	865/359	1,420 lm	1,340 lm	350 mA	21.4 V	24.6 V	8.0 W	175 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 16x560mm 2400lm 827 2T ADV	827/359	2,540 lm	2,420 lm	350 mA	42.7 V	49.3 V	16.0 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G4 16x560mm 2400lm 830 2T ADV	830/359	2,690 lm	2,560 lm	350 mA	42.7 V	49.3 V	16.0 W	166 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 16x560mm 2400lm 840 2T ADV	840/359	2,810 lm	2,670 lm	350 mA	42.7 V	49.3 V	16.0 W	173 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 16x560mm 2400lm 850 2T ADV	850/359	2,870 lm	2,720 lm	350 mA	42.7 V	49.3 V	16.0 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 16x560mm 2400lm 865 2T ADV	865/359	2,830 lm	2,670 lm	350 mA	42.7 V	49.3 V	16.0 W	175 lm/W	167 lm/W	154 lm/W	> 80
Operating mode HO at 400 mA											
LLE G4 16x140mm 650lm 827 2T ADV	827/359	710 lm	670 lm	400 mA	10.8 V	12.7 V	4.6 W	151 lm/W	146 lm/W	134 lm/W	> 80
LLE G4 16x140mm 650lm 830 2T ADV	830/359	750 lm	710 lm	400 mA	10.8 V	12.7 V	4.6 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 16x140mm 650lm 840 2T ADV	840/359	790 lm	750 lm	400 mA	10.8 V	12.7 V	4.6 W	168 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 16x140mm 650lm 850 2T ADV	850/359	800 lm	760 lm	400 mA	10.8 V	12.7 V	4.6 W	171 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 16x140mm 650lm 865 2T ADV	865/359	790 lm	750 lm	400 mA	10.8 V	12.7 V	4.6 W	170 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 16x280mm 1250lm 827 2T ADV	827/359	1,420 lm	1,350 lm	400 mA	21.6 V	24.9 V	9.2 W	151 lm/W	146 lm/W	134 lm/W	> 80
LLE G4 16x280mm 1250lm 830 2T ADV	830/359	1,500 lm	1,430 lm	400 mA	21.6 V	24.9 V	9.2 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 16x280mm 1250lm 840 2T ADV	840/359	1,580 lm	1,500 lm	400 mA	21.6 V	24.9 V	9.2 W	168 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 16x280mm 1250lm 850 2T ADV	850/359	1,600 lm	1,510 lm	400 mA	21.6 V	24.9 V	9.2 W	171 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 16x280mm 1250lm 865 2T ADV	865/359	1,590 lm	1,500 lm	400 mA	21.6 V	24.9 V	9.2 W	170 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 16x560mm 2400lm 827 2T ADV	827/359	2,830 lm	2,700 lm	400 mA	43.2 V	49.8 V	18.4 W	151 lm/W	146 lm/W	134 lm/W	> 80
LLE G4 16x560mm 2400lm 830 2T ADV	830/359	3,000 lm	2,850 lm	400 mA	43.2 V	49.8 V	18.4 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 16x560mm 2400lm 840 2T ADV	840/359	3,160 lm	2,990 lm	400 mA	43.2 V	49.8 V	18.4 W	168 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 16x560mm 2400lm 850 2T ADV	850/359	3,200 lm	3,030 lm	400 mA	43.2 V	49.8 V	18.4 W	171 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 16x560mm 2400lm 865 2T ADV	865/359	3,180 lm	3,000 lm	400 mA	43.2 V	49.8 V	18.4 W	170 lm/W	162 lm/W	149 lm/W	> 80

¹⁾ Integral measurement over the complete module.²⁾ If mounted with ACL BRIDGE LLE16 PUSH-FIX.³⁾ Measured at operating mode HO.⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.⁵⁾ Tolerance range for optical and electrical data: ±10 %.

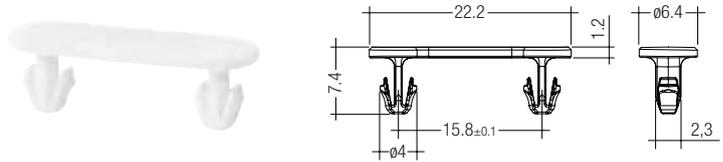
RoHS

ACCES-
SORIES

BRIDGE LLE16

Product description

- Clip for fixation for LLE16
- Fast snap on mounting (for sheet thickness 0.5 – 1.0 mm)
- For drilling hole 3 mm
- Clip made of polycarbonate



Ordering data

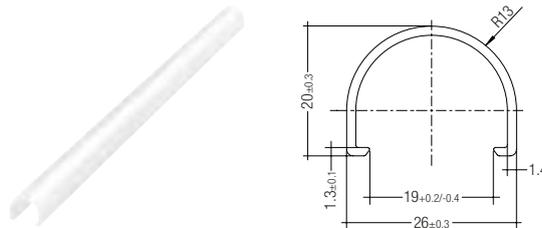
Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL BRIDGE LLE16 PUSH-FIX	28001035	White	200 pc(s).	0.001 kg

¹⁾ Minimum sales quantity 200 pcs.ACCES-
SORIES

ACL LINEAR COVER 16x1600mm

Product description

- LINEAR COVER for LLE 16
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 16 with clips or plastic washers
- High transmission:
 - transparent 94 %
 - semi-transparent 87 %
 - diffuse 76 %
- Linear lense made of PMMA
- Tolerances LINEAR COVER: + 20 mm for 1,600 mm length (ends raw)



Ordering data

Type	Article number	Colour	Length	Packaging, carton	Weight per pc.
ACL LINEAR COVER 16x1600mm TRANSPARENT	28000949	Transparent	1,600 mm	24 pc(s).	0.147 kg
ACL LINEAR COVER 16x1600mm FROSTED	28000950	Semi-transparent	1,600 mm	24 pc(s).	0.147 kg
ACL LINEAR COVER 16x1600mm DIFFUSE	28000951	Diffuse	1,600 mm	24 pc(s).	0.147 kg



Module LLE G4 24mm 650lm ADV

Module LLE ADVANCED

Product description

- Ideal for linear and panel lights
 - SELV module – the single module has a forward voltage < 60 V
 - Terminals – 2 variants:
2 terminals for serial wiring;
4 terminals for parallel, serial or robot wiring
 - Typ. luminous flux 160, 325, 650 and 1,300 lm
 - LED system solution with outstanding system efficacy up to 166 lm/W, consisting of linear LED module and dimmable LED Driver LCA 50W 100–400mA Ip PRE
 - Efficacy of the module up to 187 lm/W
 - High colour rendering index CRI > 80
 - Small colour tolerance MacAdam 3¹
 - Small luminous flux tolerances
 - Colour temperatures 2,700, 3,000, 3,500, 4,000, 5,000 and 6,500 K
 - Module dimension 24 x 70, 24 x 140, 24 x 280 and 24 x 560 mm (ZHAGA compliant)
 - Perfectly uniform light, even if several LED modules are used together in a line
 - Push terminals for quick and simple wiring of LED module to LED module
 - Simple installation (e.g. screws)
 - Long life-time: 50,000 hours (L80F10)
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

For colour temperatures and tolerances see data sheet



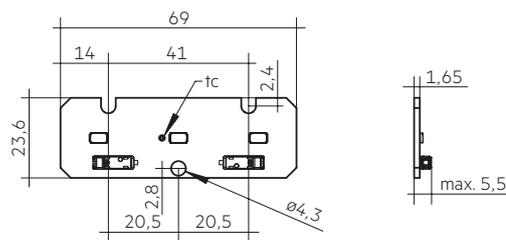
LLE G4 24x70mm 160lm ADV QTY4



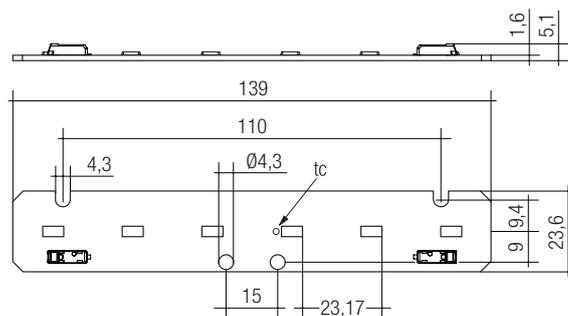
LLE G4 24x560mm 1300lm ADV



LLE G4 24x560mm 1300lm ADV



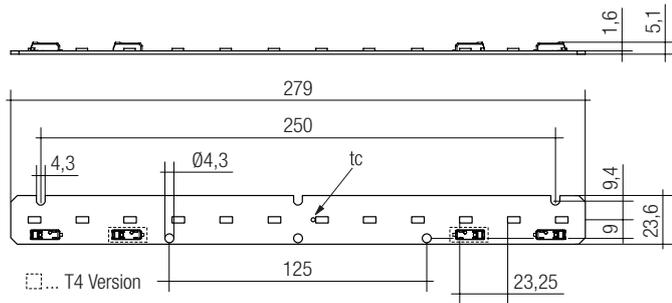
LLE G4 24x70mm 160lm ADV QTY4



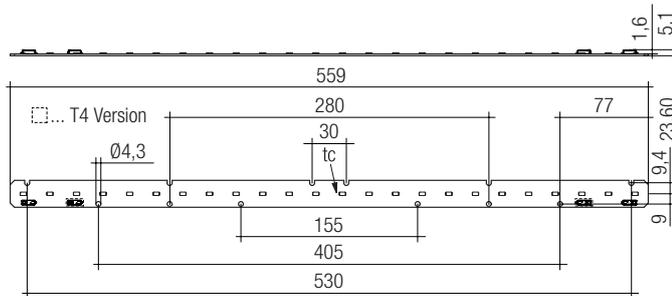
LLE G4 24x140mm 325lm ADV

Technical data

Beam characteristic	120°
Ambient temperature range	-40 ... +65 °C
tp rated	65 °C
tc	85 °C
Irated	325 mA
I _{max} for 24x70mm	540 mA
I _{max} for 24x140mm, 24x280mm, 24x560mm	500 mA
Max. DC forward current	600 mA
Max. permissible LF current ripple	660 mA
Max. permissible peak current	780 mA / max. 10 ms
Max. working voltage for insulation ²⁾	320 V
Insulation test voltage	1.64 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (EN 62471:2008) ³⁾	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IP00



LLE G4 24x280mm 650lm ADV



LLE G4 24x560mm 1300lm ADV

Ordering data

Type	Article number	Colour temperature	Packaging, carton ¹⁾	Weight per pc.
LLE 24mm ADVANCED 2 terminals (2T) for serial wiring				
LLE G4 24x70mm 160lm 830 ADV QTY4	89602980	3,000 K	120 pc(s).	0.022 kg
LLE G4 24x70mm 160lm 840 ADV QTY4	89602981	4,000 K	120 pc(s).	0.022 kg
LLE G4 24x140mm 325lm 830 2T ADV	28001466	3,000 K	480 pc(s).	0.012 kg
LLE G4 24x140mm 325lm 840 2T ADV	28001467	4,000 K	480 pc(s).	0.012 kg
LLE G4 24x140mm 325lm 850 2T ADV	28001468	5,000 K	480 pc(s).	0.012 kg
LLE G4 24x280mm 650lm 830 2T ADV	28001471	3,000 K	300 pc(s).	0.023 kg
LLE G4 24x280mm 650lm 840 2T ADV	28001472	4,000 K	300 pc(s).	0.023 kg
LLE G4 24x280mm 650lm 850 2T ADV	28001473	5,000 K	300 pc(s).	0.023 kg
LLE G4 24x560mm 1300lm 830 2T ADV	28001476	3,000 K	240 pc(s).	0.046 kg
LLE G4 24x560mm 1300lm 840 2T ADV	28001477	4,000 K	240 pc(s).	0.046 kg
LLE G4 24x560mm 1300lm 850 2T ADV	28001478	5,000 K	240 pc(s).	0.046 kg
LLE 24mm ADVANCED 4 terminals (4T) for SELV				
LLE G4 24x280mm 650lm 827 4T ADV	28001506	2,700 K	300 pc(s).	0.023 kg
LLE G4 24x280mm 650lm 830 4T ADV	28001507	3,000 K	300 pc(s).	0.023 kg
LLE G4 24x280mm 650lm 835 4T ADV	28001966	3,500 K	300 pc(s).	0.023 kg
LLE G4 24x280mm 650lm 840 4T ADV	28001508	4,000 K	300 pc(s).	0.023 kg
LLE G4 24x280mm 650lm 850 4T ADV	28001509	5,000 K	300 pc(s).	0.023 kg
LLE G4 24x280mm 650lm 865 4T ADV	28001710	6,500 K	300 pc(s).	0.023 kg
LLE G4 24x560mm 1300lm 827 4T ADV	28001510	2,700 K	240 pc(s).	0.046 kg
LLE G4 24x560mm 1300lm 830 4T ADV	28001511	3,000 K	240 pc(s).	0.046 kg
LLE G4 24x560mm 1300lm 835 4T ADV	28001967	3,500 K	240 pc(s).	0.046 kg
LLE G4 24x560mm 1300lm 840 4T ADV	28001512	4,000 K	240 pc(s).	0.046 kg
LLE G4 24x560mm 1300lm 850 4T ADV	28001513	5,000 K	240 pc(s).	0.046 kg
LLE G4 24x560mm 1300lm 865 4T ADV	28001711	6,500 K	240 pc(s).	0.046 kg

¹⁾ Min. order quantity LLE G4 24x70mm QTY4: 30 pcs.

The LLE G4 24x70mm QTY4 module contains 4 single 24x70mm modules which have to be separated.

Specific technical data

Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ²⁾	Typ. luminous flux at tp = 65 °C ³⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ³⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C	Efficacy of the system at tp = 65 °C	Colour rendering index CRI
Operating mode HE at 225 mA											
LLE G4 24x70mm 160lm 830 ADV	830/359	110 lm	105 lm	225 mA	2.7 V	3.0 V	0.6 W	173 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x70mm 160lm 840 ADV	840/359	115 lm	110 lm	225 mA	2.7 V	3.0 V	0.6 W	181 lm/W	177 lm/W	163 lm/W	> 80
LLE G4 24x140mm 325lm 830 ADV	830/359	220 lm	210 lm	225 mA	5.2 V	6.3 V	1.2 W	175 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x140mm 325lm 840 ADV	840/359	230 lm	220 lm	225 mA	5.2 V	6.3 V	1.2 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 24x140mm 325lm 850 ADV	850/359	240 lm	220 lm	225 mA	5.2 V	6.3 V	1.2 W	187 lm/W	180 lm/W	166 lm/W	> 80
LLE G4 24x280mm 650lm 827 ADV	827/359	420 lm	400 lm	225 mA	10.3 V	12.0 V	2.5 W	165 lm/W	159 lm/W	146 lm/W	> 80
LLE G4 24x280mm 650lm 830 ADV	830/359	440 lm	420 lm	225 mA	10.3 V	12.0 V	2.5 W	175 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x280mm 650lm 835 ADV	835/359	450 lm	430 lm	225 mA	10.3 V	12.0 V	2.5 W	177 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x280mm 650lm 840 ADV	840/359	460 lm	440 lm	225 mA	10.3 V	12.0 V	2.5 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 24x280mm 650lm 850 ADV	850/359	470 lm	450 lm	225 mA	10.3 V	12.0 V	2.5 W	187 lm/W	180 lm/W	166 lm/W	> 80
LLE G4 24x280mm 650lm 865 ADV	865/359	470 lm	440 lm	225 mA	10.3 V	12.0 V	2.5 W	184 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 24x560mm 1300lm 827 ADV	827/359	840 lm	800 lm	225 mA	20.6 V	23.9 V	5.0 W	165 lm/W	159 lm/W	146 lm/W	> 80
LLE G4 24x560mm 1300lm 830 ADV	830/359	890 lm	840 lm	225 mA	20.6 V	23.9 V	5.0 W	175 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x560mm 1300lm 835 ADV	835/359	900 lm	850 lm	225 mA	20.6 V	23.9 V	5.0 W	177 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x560mm 1300lm 840 ADV	840/359	930 lm	880 lm	225 mA	20.6 V	23.9 V	5.0 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 24x560mm 1300lm 850 ADV	850/359	950 lm	900 lm	225 mA	20.6 V	23.9 V	5.0 W	187 lm/W	180 lm/W	166 lm/W	> 80
LLE G4 24x560mm 1300lm 865 ADV	865/359	930 lm	880 lm	225 mA	20.6 V	23.9 V	5.0 W	184 lm/W	176 lm/W	162 lm/W	> 80
Operating mode HE at 275 mA											
LLE G4 24x70mm 160lm 830 ADV	830/359	135 lm	130 lm	275 mA	2.7 V	3.1 V	0.8 W	170 lm/W	166 lm/W	153 lm/W	> 80
LLE G4 24x70mm 160lm 840 ADV	840/359	140 lm	135 lm	275 mA	2.7 V	3.1 V	0.8 W	178 lm/W	174 lm/W	160 lm/W	> 80
LLE G4 24x140mm 325lm 830 ADV	830/359	270 lm	260 lm	275 mA	5.2 V	6.3 V	1.5 W	171 lm/W	166 lm/W	153 lm/W	> 80
LLE G4 24x140mm 325lm 840 ADV	840/359	280 lm	270 lm	275 mA	5.2 V	6.3 V	1.5 W	180 lm/W	173 lm/W	159 lm/W	> 80
LLE G4 24x140mm 325lm 850 ADV	850/359	290 lm	270 lm	275 mA	5.2 V	6.3 V	1.5 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 24x280mm 650lm 827 ADV	827/359	510 lm	480 lm	275 mA	10.5 V	12.3 V	3.1 W	161 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x280mm 650lm 830 ADV	830/359	540 lm	510 lm	275 mA	10.5 V	12.3 V	3.1 W	171 lm/W	166 lm/W	153 lm/W	> 80
LLE G4 24x280mm 650lm 835 ADV	835/359	540 lm	520 lm	275 mA	10.5 V	12.3 V	3.1 W	173 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 24x280mm 650lm 840 ADV	840/359	560 lm	530 lm	275 mA	10.5 V	12.3 V	3.1 W	180 lm/W	173 lm/W	159 lm/W	> 80
LLE G4 24x280mm 650lm 850 ADV	850/359	570 lm	540 lm	275 mA	10.5 V	12.3 V	3.1 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 24x280mm 650lm 865 ADV	865/359	570 lm	530 lm	275 mA	10.5 V	12.3 V	3.1 W	180 lm/W	173 lm/W	159 lm/W	> 80
LLE G4 24x560mm 1300lm 827 ADV	827/359	1,010 lm	970 lm	275 mA	20.9 V	24.2 V	6.2 W	161 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x560mm 1300lm 830 ADV	830/359	1,070 lm	1,020 lm	275 mA	20.9 V	24.2 V	6.2 W	171 lm/W	166 lm/W	153 lm/W	> 80
LLE G4 24x560mm 1300lm 835 ADV	835/359	1,080 lm	1,030 lm	275 mA	20.9 V	24.2 V	6.2 W	173 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 24x560mm 1300lm 840 ADV	840/359	1,120 lm	1,070 lm	275 mA	20.9 V	24.2 V	6.2 W	180 lm/W	173 lm/W	159 lm/W	> 80
LLE G4 24x560mm 1300lm 850 ADV	850/359	1,150 lm	1,090 lm	275 mA	20.9 V	24.2 V	6.2 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 24x560mm 1300lm 865 ADV	865/359	1,130 lm	1,070 lm	275 mA	20.9 V	24.2 V	6.2 W	180 lm/W	173 lm/W	159 lm/W	> 80
Operating mode NM at 300 mA											
LLE G4 24x70mm 160lm 830 ADV	830/359	145 lm	140 lm	300 mA	2.7 V	3.1 V	0.8 W	168 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x70mm 160lm 840 ADV	840/359	150 lm	145 lm	300 mA	2.7 V	3.1 V	0.8 W	176 lm/W	172 lm/W	158 lm/W	> 80
LLE G4 24x140mm 325lm 830 ADV	830/359	290 lm	280 lm	300 mA	5.3 V	6.4 V	1.7 W	170 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x140mm 325lm 840 ADV	840/359	310 lm	290 lm	300 mA	5.3 V	6.4 V	1.7 W	178 lm/W	171 lm/W	157 lm/W	> 80
LLE G4 24x140mm 325lm 850 ADV	850/359	310 lm	290 lm	300 mA	5.3 V	6.4 V	1.7 W	181 lm/W	174 lm/W	160 lm/W	> 80
LLE G4 24x280mm 650lm 827 ADV	827/359	550 lm	530 lm	300 mA	10.5 V	12.4 V	3.4 W	160 lm/W	155 lm/W	143 lm/W	> 80
LLE G4 24x280mm 650lm 830 ADV	830/359	580 lm	550 lm	300 mA	10.5 V	12.4 V	3.4 W	170 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x280mm 650lm 835 ADV	835/359	580 lm	560 lm	300 mA	10.5 V	12.4 V	3.4 W	171 lm/W	165 lm/W	152 lm/W	> 80
LLE G4 24x280mm 650lm 840 ADV	840/359	610 lm	580 lm	300 mA	10.5 V	12.4 V	3.4 W	178 lm/W	171 lm/W	157 lm/W	> 80
LLE G4 24x280mm 650lm 850 ADV	850/359	620 lm	590 lm	300 mA	10.5 V	12.4 V	3.4 W	181 lm/W	174 lm/W	160 lm/W	> 80
LLE G4 24x280mm 650lm 865 ADV	865/359	610 lm	580 lm	300 mA	10.5 V	12.4 V	3.4 W	179 lm/W	171 lm/W	157 lm/W	> 80
LLE G4 24x560mm 1300lm 827 ADV	827/359	1,100 lm	1,050 lm	300 mA	21.1 V	24.4 V	6.8 W	160 lm/W	155 lm/W	143 lm/W	> 80
LLE G4 24x560mm 1300lm 830 ADV	830/359	1,160 lm	1,110 lm	300 mA	21.1 V	24.4 V	6.8 W	170 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x560mm 1300lm 835 ADV	835/359	1,170 lm	1,110 lm	300 mA	21.1 V	24.4 V	6.8 W	171 lm/W	165 lm/W	152 lm/W	> 80
LLE G4 24x560mm 1300lm 840 ADV	840/359	1,220 lm	1,160 lm	300 mA	21.1 V	24.4 V	6.8 W	178 lm/W	171 lm/W	157 lm/W	> 80
LLE G4 24x560mm 1300lm 850 ADV	850/359	1,240 lm	1,180 lm	300 mA	21.1 V	24.4 V	6.8 W	181 lm/W	174 lm/W	160 lm/W	> 80
LLE G4 24x560mm 1300lm 865 ADV	865/359	1,230 lm	1,160 lm	300 mA	21.1 V	24.4 V	6.8 W	179 lm/W	171 lm/W	157 lm/W	> 80

¹⁾ Integral measurement over the complete module.²⁾ If mounted with M4 screws and plastic washers.³⁾ Measured at operating mode HO.⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.⁵⁾ Tolerance range for optical and electrical data: ±10 %.

Specific technical data

Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ²⁾	Typ. luminous flux at tp = 65 °C ²⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ³⁾	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI
Operating mode NM at 325 mA											
LLE G4 24x70mm 160lm 830 ADV	830/359	155 lm	150 lm	325 mA	2.7 V	3.1 V	0.9 W	165 lm/W	161 lm/W	148 lm/W	> 80
LLE G4 24x70mm 160lm 840 ADV	840/359	165 lm	155 lm	325 mA	2.7 V	3.1 V	0.9 W	173 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x140mm 325lm 830 ADV	830/359	310 lm	300 lm	325 mA	5.3 V	6.4 V	1.9 W	167 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 24x140mm 325lm 840 ADV	840/359	330 lm	310 lm	325 mA	5.3 V	6.4 V	1.9 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x140mm 325lm 850 ADV	850/359	330 lm	320 lm	325 mA	5.3 V	6.4 V	1.9 W	178 lm/W	172 lm/W	158 lm/W	> 80
LLE G4 24x280mm 650lm 827 ADV	827/359	590 lm	560 lm	325 mA	10.6 V	12.5 V	3.7 W	158 lm/W	153 lm/W	141 lm/W	> 80
LLE G4 24x280mm 650lm 830 ADV	830/359	630 lm	600 lm	325 mA	10.6 V	12.5 V	3.7 W	167 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 24x280mm 650lm 835 ADV	835/359	630 lm	600 lm	325 mA	10.6 V	12.5 V	3.7 W	170 lm/W	163 lm/W	150 lm/W	> 80
LLE G4 24x280mm 650lm 840 ADV	840/359	660 lm	630 lm	325 mA	10.6 V	12.5 V	3.7 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x280mm 650lm 850 ADV	850/359	670 lm	630 lm	325 mA	10.6 V	12.5 V	3.7 W	178 lm/W	172 lm/W	158 lm/W	> 80
LLE G4 24x280mm 650lm 865 ADV	865/359	660 lm	630 lm	325 mA	10.6 V	12.5 V	3.7 W	177 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x560mm 1300lm 827 ADV	827/359	1,180 lm	1,130 lm	325 mA	21.2 V	24.5 V	7.4 W	158 lm/W	153 lm/W	141 lm/W	> 80
LLE G4 24x560mm 1300lm 830 ADV	830/359	1,250 lm	1,190 lm	325 mA	21.2 V	24.5 V	7.4 W	167 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 24x560mm 1300lm 835 ADV	835/359	1,270 lm	1,200 lm	325 mA	21.2 V	24.5 V	7.4 W	170 lm/W	163 lm/W	150 lm/W	> 80
LLE G4 24x560mm 1300lm 840 ADV	840/359	1,320 lm	1,250 lm	325 mA	21.2 V	24.5 V	7.4 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x560mm 1300lm 850 ADV	850/359	1,340 lm	1,260 lm	325 mA	21.2 V	24.5 V	7.4 W	178 lm/W	172 lm/W	158 lm/W	> 80
LLE G4 24x560mm 1300lm 865 ADV	865/359	1,330 lm	1,250 lm	325 mA	21.2 V	24.5 V	7.4 W	177 lm/W	170 lm/W	156 lm/W	> 80
Operating mode NM at 350 mA											
LLE G4 24x70mm 160lm 830 ADV	830/359	165 lm	160 lm	350 mA	2.7 V	3.1 V	1.0 W	163 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 24x70mm 160lm 840 ADV	840/359	175 lm	170 lm	350 mA	2.7 V	3.1 V	1.0 W	171 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 24x140mm 325lm 830 ADV	830/359	340 lm	320 lm	350 mA	5.4 V	6.4 V	2.0 W	166 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 24x140mm 325lm 840 ADV	840/359	350 lm	330 lm	350 mA	5.4 V	6.4 V	2.0 W	174 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 24x140mm 325lm 850 ADV	850/359	350 lm	340 lm	350 mA	5.4 V	6.4 V	2.0 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x280mm 650lm 827 ADV	827/359	630 lm	610 lm	350 mA	10.7 V	12.6 V	4.0 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G4 24x280mm 650lm 830 ADV	830/359	670 lm	640 lm	350 mA	10.7 V	12.6 V	4.0 W	166 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 24x280mm 650lm 835 ADV	835/359	670 lm	640 lm	350 mA	10.7 V	12.6 V	4.0 W	165 lm/W	159 lm/W	146 lm/W	> 80
LLE G4 24x280mm 650lm 840 ADV	840/359	700 lm	670 lm	350 mA	10.7 V	12.6 V	4.0 W	174 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 24x280mm 650lm 850 ADV	850/359	720 lm	680 lm	350 mA	10.7 V	12.6 V	4.0 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x280mm 650lm 865 ADV	865/359	710 lm	670 lm	350 mA	10.7 V	12.6 V	4.0 W	175 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 24x560mm 1300lm 827 ADV	827/359	1,270 lm	1,210 lm	350 mA	21.4 V	24.6 V	8.0 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G4 24x560mm 1300lm 830 ADV	830/359	1,340 lm	1,280 lm	350 mA	21.4 V	24.6 V	8.0 W	166 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 24x560mm 1300lm 835 ADV	835/359	1,350 lm	1,290 lm	350 mA	21.4 V	24.6 V	8.0 W	165 lm/W	159 lm/W	146 lm/W	> 80
LLE G4 24x560mm 1300lm 840 ADV	840/359	1,410 lm	1,340 lm	350 mA	21.4 V	24.6 V	8.0 W	174 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 24x560mm 1300lm 850 ADV	850/359	1,440 lm	1,360 lm	350 mA	21.4 V	24.6 V	8.0 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x560mm 1300lm 865 ADV	865/359	1,420 lm	1,340 lm	350 mA	21.4 V	24.6 V	8.0 W	175 lm/W	167 lm/W	154 lm/W	> 80
Operating mode HO at 400 mA											
LLE G4 24x70mm 160lm 830 ADV	830/359	190 lm	180 lm	400 mA	2.8 V	3.1 V	1.2 W	159 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x70mm 160lm 840 ADV	840/359	200 lm	190 lm	400 mA	2.8 V	3.1 V	1.2 W	167 lm/W	163 lm/W	150 lm/W	> 80
LLE G4 24x140mm 325lm 830 ADV	830/359	380 lm	360 lm	400 mA	5.4 V	6.5 V	2.3 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 24x140mm 325lm 840 ADV	840/359	390 lm	370 lm	400 mA	5.4 V	6.5 V	2.3 W	168 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 24x140mm 325lm 850 ADV	850/359	400 lm	380 lm	400 mA	5.4 V	6.5 V	2.3 W	171 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x280mm 650lm 827 ADV	827/359	710 lm	670 lm	400 mA	10.8 V	12.7 V	4.6 W	151 lm/W	146 lm/W	134 lm/W	> 80
LLE G4 24x280mm 650lm 830 ADV	830/359	750 lm	710 lm	400 mA	10.8 V	12.7 V	4.6 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 24x280mm 650lm 835 ADV	830/359	760 lm	720 lm	400 mA	10.8 V	12.7 V	4.6 W	162 lm/W	157 lm/W	144 lm/W	> 80
LLE G4 24x280mm 650lm 840 ADV	840/359	790 lm	750 lm	400 mA	10.8 V	12.7 V	4.6 W	168 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 24x280mm 650lm 850 ADV	850/359	800 lm	760 lm	400 mA	10.8 V	12.7 V	4.6 W	171 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x280mm 650lm 865 ADV	865/359	790 lm	750 lm	400 mA	10.8 V	12.7 V	4.6 W	170 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 24x560mm 1300lm 827 ADV	827/359	1,420 lm	1,350 lm	400 mA	21.6 V	24.9 V	9.2 W	151 lm/W	146 lm/W	134 lm/W	> 80
LLE G4 24x560mm 1300lm 830 ADV	830/359	1,500 lm	1,430 lm	400 mA	21.6 V	24.9 V	9.2 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 24x560mm 1300lm 835 ADV	835/359	1,520 lm	1,440 lm	400 mA	21.6 V	24.9 V	9.2 W	162 lm/W	157 lm/W	144 lm/W	> 80
LLE G4 24x560mm 1300lm 840 ADV	840/359	1,580 lm	1,500 lm	400 mA	21.6 V	24.9 V	9.2 W	168 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 24x560mm 1300lm 850 ADV	850/359	1,600 lm	1,510 lm	400 mA	21.6 V	24.9 V	9.2 W	171 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x560mm 1300lm 865 ADV	865/359	1,590 lm	1,500 lm	400 mA	21.6 V	24.9 V	9.2 W	170 lm/W	162 lm/W	149 lm/W	> 80

¹⁾ Integral measurement over the complete module.²⁾ If mounted with M4 screws and plastic washers.³⁾ Measured at operating mode HO.⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.⁵⁾ Tolerance range for optical and electrical data: ±10 %.

Specific technical data

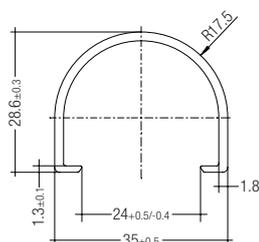
Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ²⁾	Typ. luminous flux at tp = 65 °C ³⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ³⁾	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI
Operating mode HO at 450 mA											
LLE G4 24x70mm 160lm 830 ADV	830/359	210 lm	200 lm	450 mA	2.8 V	3.2 V	1.3 W	156 lm/W	153 lm/W	141 lm/W	> 80
LLE G4 24x70mm 160lm 840 ADV	840/359	220 lm	210 lm	450 mA	2.8 V	3.2 V	1.3 W	164 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 24x140mm 325lm 830 ADV	830/359	420 lm	400 lm	450 mA	5.5 V	6.6 V	2.6 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G4 24x140mm 325lm 840 ADV	840/359	440 lm	420 lm	450 mA	5.5 V	6.6 V	2.6 W	165 lm/W	158 lm/W	145 lm/W	> 80
LLE G4 24x140mm 325lm 850 ADV	850/359	450 lm	420 lm	450 mA	5.5 V	6.6 V	2.6 W	168 lm/W	161 lm/W	148 lm/W	> 80
LLE G4 24x280mm 650lm 827 ADV	827/359	790 lm	750 lm	450 mA	10.9 V	12.8 V	5.2 W	148 lm/W	144 lm/W	132 lm/W	> 80
LLE G4 24x280mm 650lm 830 ADV	830/359	840 lm	800 lm	450 mA	10.9 V	12.8 V	5.2 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G4 24x280mm 650lm 835 ADV	835/359	850 lm	810 lm	450 mA	10.9 V	12.8 V	5.2 W	159 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 24x280mm 650lm 840 ADV	840/359	870 lm	830 lm	450 mA	10.9 V	12.8 V	5.2 W	166 lm/W	158 lm/W	145 lm/W	> 80
LLE G4 24x280mm 650lm 850 ADV	850/359	890 lm	840 lm	450 mA	10.9 V	12.8 V	5.2 W	168 lm/W	161 lm/W	148 lm/W	> 80
LLE G4 24x280mm 650lm 865 ADV	865/359	880 lm	830 lm	450 mA	10.9 V	12.8 V	5.2 W	165 lm/W	158 lm/W	145 lm/W	> 80
LLE G4 24x560mm 1300lm 827 ADV	827/359	1,580 lm	1,510 lm	450 mA	21.9 V	25.2 V	10.5 W	148 lm/W	144 lm/W	132 lm/W	> 80
LLE G4 24x560mm 1300lm 830 ADV	830/359	1,670 lm	1,590 lm	450 mA	21.9 V	25.2 V	10.5 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G4 24x560mm 1300lm 835 ADV	835/359	1,690 lm	1,620 lm	450 mA	21.9 V	25.2 V	10.5 W	159 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 24x560mm 1300lm 840 ADV	840/359	1,750 lm	1,660 lm	450 mA	21.9 V	25.2 V	10.5 W	165 lm/W	158 lm/W	145 lm/W	> 80
LLE G4 24x560mm 1300lm 850 ADV	850/359	1,780 lm	1,690 lm	450 mA	21.9 V	25.2 V	10.5 W	168 lm/W	161 lm/W	148 lm/W	> 80
LLE G4 24x560mm 1300lm 865 ADV	865/359	1,760 lm	1,660 lm	450 mA	21.9 V	25.2 V	10.5 W	165 lm/W	158 lm/W	145 lm/W	> 80
Operating mode HO at 500 mA											
LLE G4 24x70mm 160lm 830 ADV	830/359	230 lm	220 lm	500 mA	2.8 V	3.2 V	1.5 W	152 lm/W	149 lm/W	137 lm/W	> 80
LLE G4 24x70mm 160lm 840 ADV	840/359	240 lm	230 lm	500 mA	2.8 V	3.2 V	1.5 W	160 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x140mm 325lm 830 ADV	830/359	460 lm	430 lm	500 mA	5.5 V	6.6 V	3.0 W	153 lm/W	147 lm/W	135 lm/W	> 80
LLE G4 24x140mm 325lm 840 ADV	840/359	480 lm	450 lm	500 mA	5.5 V	6.6 V	3.0 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 24x140mm 325lm 850 ADV	850/359	490 lm	460 lm	500 mA	5.5 V	6.6 V	3.0 W	163 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x280mm 650lm 827 ADV	827/359	860 lm	820 lm	500 mA	11.1 V	12.9 V	5.9 W	144 lm/W	139 lm/W	128 lm/W	> 80
LLE G4 24x280mm 650lm 830 ADV	830/359	910 lm	870 lm	500 mA	11.1 V	12.9 V	5.9 W	153 lm/W	147 lm/W	135 lm/W	> 80
LLE G4 24x280mm 650lm 835 ADV	835/359	930 lm	890 lm	500 mA	11.1 V	12.9 V	5.9 W	156 lm/W	151 lm/W	139 lm/W	> 80
LLE G4 24x280mm 650lm 840 ADV	840/359	950 lm	910 lm	500 mA	11.1 V	12.9 V	5.9 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 24x280mm 650lm 850 ADV	850/359	970 lm	920 lm	500 mA	11.1 V	12.9 V	5.9 W	163 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x280mm 650lm 865 ADV	865/359	960 lm	910 lm	500 mA	11.1 V	12.9 V	5.9 W	161 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 24x560mm 1300lm 827 ADV	827/359	1,720 lm	1,640 lm	500 mA	22.1 V	25.4 V	11.8 W	144 lm/W	139 lm/W	128 lm/W	> 80
LLE G4 24x560mm 1300lm 830 ADV	830/359	1,820 lm	1,730 lm	500 mA	22.1 V	25.4 V	11.8 W	153 lm/W	147 lm/W	135 lm/W	> 80
LLE G4 24x560mm 1300lm 835 ADV	835/359	1,860 lm	1,780 lm	500 mA	22.1 V	25.4 V	11.8 W	156 lm/W	151 lm/W	139 lm/W	> 80
LLE G4 24x560mm 1300lm 840 ADV	840/359	1,910 lm	1,810 lm	500 mA	22.1 V	25.4 V	11.8 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 24x560mm 1300lm 850 ADV	850/359	1,940 lm	1,840 lm	500 mA	22.1 V	25.4 V	11.8 W	163 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x560mm 1300lm 865 ADV	865/359	1,920 lm	1,810 lm	500 mA	22.1 V	25.4 V	11.8 W	161 lm/W	154 lm/W	142 lm/W	> 80

¹⁾ Integral measurement over the complete module.²⁾ If mounted with M4 screws and plastic washers.³⁾ Measured at operating mode HO.⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.⁵⁾ Tolerance range for optical and electrical data: ±10 %.

LINEAR COVER SY

Product description

- LINEAR COVER for LLE 24
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- High transmission:
 - transparent 94 %
 - semi-transparent 87 %
 - diffuse 76 %
- Made of PMMA
- Tolerances: ± 1 mm for 597 mm length (ends finished),
+ 20 mm for 1,200/1,500/1,600/1,800 mm length (ends raw)



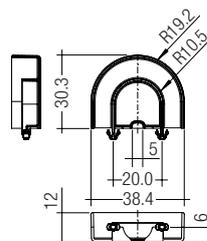
Ordering data

Type	Article number	Colour	Length	Packaging, carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	28000338	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	28000437	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	28000339	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	28000435	Semi-transparent	1,500 mm	12 pc(s).	0.244 kg
LINEAR COVER SY Frosted 1200mm	28000422	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	28000340	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	28000438	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	28000341	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	28000436	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	28000434	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	28000342	Diffuse	597 mm	12 pc(s).	0.102 kg

ACL ENDCAP LLE24 PUSH-FIX

Product description

- ENDCAP for LLE 24
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm),
for drilling hole 4 mm
- Made of polycarbonate



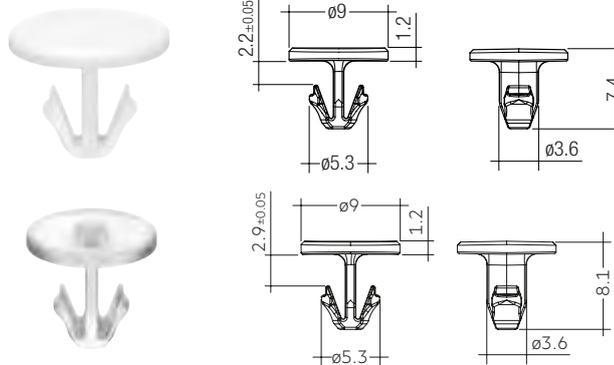
Ordering data

Type	Article number	Colour	Packaging, carton	Weight per pc.
ACL ENDCAP LLE24 PUSH-FIX	28001037	White	480 pc(s).	0.003 kg

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

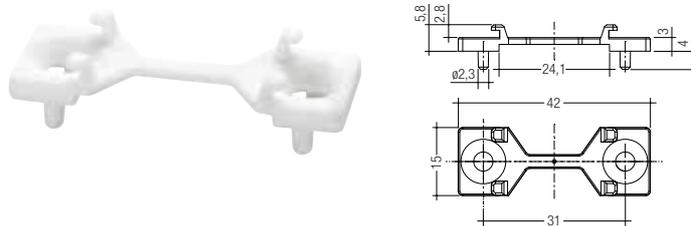
¹⁾ Minimum sales quantity 500 pcs.

RoHS

BRIDGE LLE24/40

Product description

- Enables the fixation of 24 mm wide Tridonic LED modules to fixtures made for 40 mm wide modules
- Ideal for extruded aluminium gear trays made for 40 mm modules with pre-alignment knobs
- Clip-on for LINEAR COVER and LINEAR LENS ²⁾
- For LLE 24 with 280 mm module minimum 2 bridges required
- For LLE 24 with 560 mm module minimum 3 bridges required
- Fixation via M3 or M4 countersunk screw, max. tightening torque 0.5 Nm
- BRIDGE made of white polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL BRIDGE LLE24/40 SCREW-FIX	28001205	White	600 pc(s).	0.001 kg

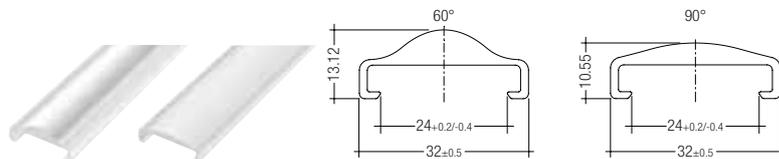
¹⁾ Minimum sales quantity 600 pcs.

²⁾ Beam characteristics will change due to the elevated fixation (see photometric files for details).

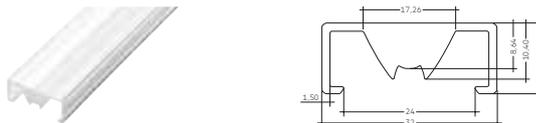
LINEAR LENS

Product description

- Linear lens for LLE 24
- Available with different beam characteristics
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Available lengths: 1,200, 1,500, 1,600 and 1,800 mm,
Tolerance: + 10 mm, at 1,600 mm
± 20 mm tolerances and ends raw
- Photometric data available on website



ACL LINEAR LENS 24mm 60° and 90°



ACL LINEAR LENS 24mm INTENSE



ACL LINEAR LENS 24mm BATWING



ACL LINEAR LENS 24mm ASY



ACL LINEAR LENS 24mm DASY

Ordering data

Type	Article number	Beam characteristic	Efficiency	Packaging, carton	Weight per pc.
ACL LINEAR LENS 24x1200mm 60°	28001428	60°	97 %	21 pc(s).	0.196 kg
ACL LINEAR LENS 24x1200mm 90°	28001429	90°	97 %	21 pc(s).	0.165 kg
ACL LINEAR LENS 24x1600mm 60°	28000953	60°	97 %	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	28000955	90°	97 %	21 pc(s).	0.221 kg
ACL LINEAR LENS 24x1200mm INTENSE	28002024	40°	95 %	18 pc(s).	0.261 kg
ACL LINEAR LENS 24x1500mm INTENSE	28002025	40°	95 %	18 pc(s).	0.326 kg
ACL LINEAR LENS 24x1800mm INTENSE	28002026	40°	95 %	18 pc(s).	0.392 kg
ACL LINEAR LENS 24x1200mm BATWING	28002027	batwing	95 %	18 pc(s).	0.275 kg
ACL LINEAR LENS 24x1500mm BATWING	28002028	batwing	95 %	18 pc(s).	0.344 kg
ACL LINEAR LENS 24x1800mm BATWING	28002029	batwing	95 %	18 pc(s).	0.412 kg
ACL LINEAR LENS 24x1200mm ASY	28002030	asymmetric	95 %	18 pc(s).	0.250 kg
ACL LINEAR LENS 24x1500mm ASY	28002031	asymmetric	95 %	18 pc(s).	0.312 kg
ACL LINEAR LENS 24x1800mm ASY	28002032	asymmetric	95 %	18 pc(s).	0.375 kg
ACL LINEAR LENS 24x1200mm DASY	28002033	double asymmetric	92 %	18 pc(s).	0.249 kg
ACL LINEAR LENS 24x1500mm DASY	28002034	double asymmetric	92 %	18 pc(s).	0.311 kg
ACL LINEAR LENS 24x1800mm DASY	28002035	double asymmetric	92 %	18 pc(s).	0.373 kg



Module LLE G4 24mm 1250lm ADV

Module LLE ADVANCED

Product description

- Ideal for linear and panel lights
- SELV module – the single module has a forward voltage < 60 V
- Terminals – 2 variants:
2 terminals for serial wiring;
4 terminals for parallel, serial or robot wiring
- Typ. luminous flux 325, 650, 1,250 and 2,400 lm
- LED system solution with outstanding system efficacy up to 166 lm/W, consisting of linear LED module and dimmable LED Driver LCA 50W 100–400mA Ip PRE
- Efficacy of the module up to 187 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance MacAdam 3¹⁾
- Small luminous flux tolerances
- Colour temperatures 2,700, 3,000, 3,500, 4,000, 5,000 and 6,500 K
- Module dimension 24 x 70, 24 x 140, 24 x 280 and 24 x 560 mm (ZHAGA compliant)
- Perfectly uniform light, even if several LED modules are used together in a line
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

For colour temperatures and tolerances see data sheet



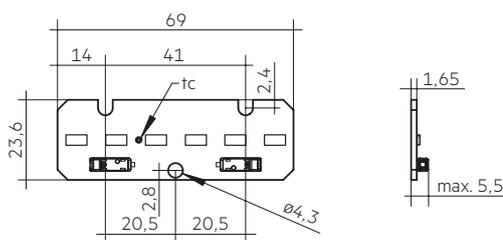
LLE G4 24x70mm 325lm ADV QTY4



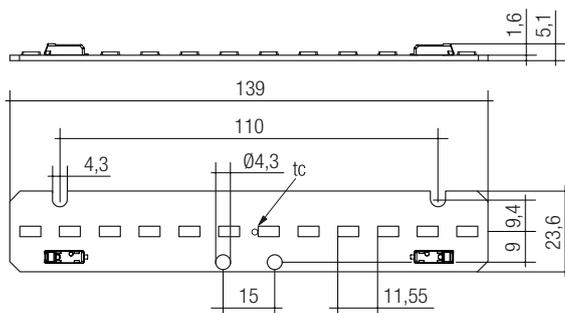
LLE G4 24x280mm 1250lm ADV



LLE G4 24x560mm 2400lm ADV



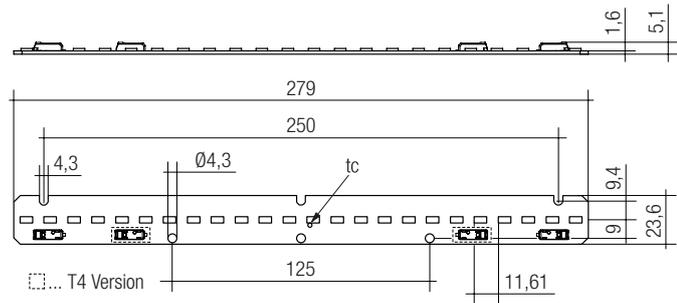
LLE G4 24x70mm 325lm ADV QTY4



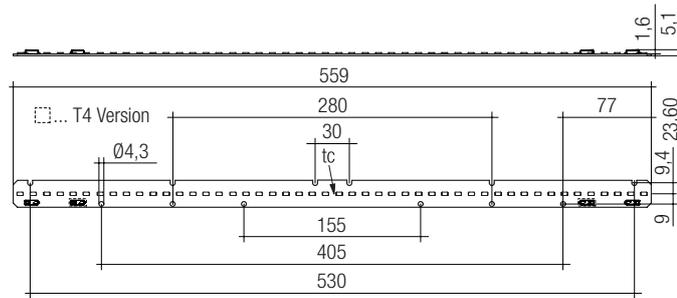
LLE G4 24x140mm 650lm ADV

Technical data

Beam characteristic	120°
Ambient temperature range	-40 ... +65 °C
tp rated	65 °C
tc	85 °C
Irated	325 mA
I _{max} for 24x70 mm	540 mA
I _{max} for 24x140mm, 24x280mm, 24x560mm	500 mA
Max. DC forward current	600 mA
Max. permissible LF current ripple	660 mA
Max. permissible peak current	780 mA / max. 10 ms
Max. working voltage for insulation ²⁾	320 V
Insulation test voltage	1.64 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (EN 62471:2008) ³⁾	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IP00



LLE G4 24x280mm 1250lm ADV



LLE G4 24x560mm 2400lm ADV

Ordering data

Type	Article number	Colour temperature	Packaging, carton ¹⁾	Weight per pc.
LLE 24mm ADVANCED 2 terminals (2T) for serial wiring				
LLE G4 24x70mm 325lm 830 ADV QTY4	89602982	3,000 K	120 pc(s).	0.023 kg
LLE G4 24x70mm 325lm 840 ADV QTY4	89602983	4,000 K	120 pc(s).	0.023 kg
LLE G4 24x140mm 650lm 830 2T ADV	28001481	3,000 K	480 pc(s).	0.012 kg
LLE G4 24x140mm 650lm 840 2T ADV	28001482	4,000 K	480 pc(s).	0.012 kg
LLE G4 24x140mm 650lm 850 2T ADV	28001483	5,000 K	480 pc(s).	0.012 kg
LLE G4 24x280mm 1250lm 830 2T ADV	28001486	3,000 K	300 pc(s).	0.023 kg
LLE G4 24x280mm 1250lm 840 2T ADV	28001487	4,000 K	300 pc(s).	0.023 kg
LLE G4 24x280mm 1250lm 850 2T ADV	28001488	5,000 K	300 pc(s).	0.023 kg
LLE G4 24x560mm 2400lm 830 2T ADV	28001491	3,000 K	240 pc(s).	0.046 kg
LLE G4 24x560mm 2400lm 840 2T ADV	28001492	4,000 K	240 pc(s).	0.046 kg
LLE G4 24x560mm 2400lm 850 2T ADV	28001493	5,000 K	240 pc(s).	0.046 kg
LLE 24mm ADVANCED 4 terminals (4T) for SELV				
LLE G4 24x280mm 1250lm 827 4T ADV	28001515	2,700 K	300 pc(s).	0.023 kg
LLE G4 24x280mm 1250lm 830 4T ADV	28001516	3,000 K	300 pc(s).	0.023 kg
LLE G4 24x280mm 1250lm 835 4T ADV	28001969	3,500 K	300 pc(s).	0.023 kg
LLE G4 24x280mm 1250lm 840 4T ADV	28001517	4,000 K	300 pc(s).	0.023 kg
LLE G4 24x280mm 1250lm 850 4T ADV	28001518	5,000 K	300 pc(s).	0.023 kg
LLE G4 24x280mm 1250lm 865 4T ADV	28001712	6,500 K	300 pc(s).	0.023 kg
LLE G4 24x560mm 2400lm 827 4T ADV	28001519	2,700 K	240 pc(s).	0.046 kg
LLE G4 24x560mm 2400lm 830 4T ADV	28001520	3,000 K	240 pc(s).	0.046 kg
LLE G4 24x560mm 2400lm 835 4T ADV	28001970	3,500 K	240 pc(s).	0.046 kg
LLE G4 24x560mm 2400lm 840 4T ADV	28001521	4,000 K	240 pc(s).	0.046 kg
LLE G4 24x560mm 2400lm 850 4T ADV	28001522	5,000 K	240 pc(s).	0.046 kg
LLE G4 24x560mm 2400lm 865 4T ADV	28001713	6,500 K	240 pc(s).	0.046 kg

¹⁾ Min. order quantity LLE G4 24x70mm QTY4: 30 pcs.

The LLE G4 24x70mm QTY4 module contains 4 single 24x70mm modules which have to be separated.

Specific technical data

Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ²⁾	Typ. luminous flux at tp = 65 °C ³⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ³⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C	Efficacy of the system at tp = 65 °C	Colour rendering index CRI
Operating mode HE at 225 mA											
LLE G4 24x70mm 325lm 830 ADV	830/359	220 lm	210 lm	225 mA	5.3 V	6.0 V	1.3 W	173 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x70mm 325lm 840 ADV	840/359	230 lm	220 lm	225 mA	5.3 V	6.0 V	1.3 W	181 lm/W	177 lm/W	163 lm/W	> 80
LLE G4 24x140mm 650lm 830 ADV	830/359	440 lm	420 lm	225 mA	10.3 V	12.2 V	2.5 W	175 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x140mm 650lm 840 ADV	840/359	460 lm	440 lm	225 mA	10.3 V	12.2 V	2.5 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 24x140mm 650lm 850 ADV	850/359	470 lm	450 lm	225 mA	10.3 V	12.2 V	2.5 W	187 lm/W	180 lm/W	166 lm/W	> 80
LLE G4 24x280mm 1250lm 827 ADV	827/359	840 lm	800 lm	225 mA	20.6 V	23.9 V	5.0 W	165 lm/W	159 lm/W	146 lm/W	> 80
LLE G4 24x280mm 1250lm 830 ADV	830/359	890 lm	840 lm	225 mA	20.6 V	23.9 V	5.0 W	175 lm/W	169 lm/W	156 lm/W	> 80
LLE G4 24x280mm 1250lm 835 ADV	835/359	900 lm	850 lm	225 mA	20.6 V	23.9 V	5.0 W	177 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x280mm 1250lm 840 ADV	840/359	930 lm	880 lm	225 mA	20.6 V	23.9 V	5.0 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 24x280mm 1250lm 850 ADV	850/359	950 lm	900 lm	225 mA	20.6 V	23.9 V	5.0 W	187 lm/W	180 lm/W	166 lm/W	> 80
LLE G4 24x280mm 1250lm 865 ADV	865/359	930 lm	880 lm	225 mA	20.6 V	23.9 V	5.0 W	184 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 24x560mm 2400lm 827 ADV	827/359	1,670 lm	1,600 lm	225 mA	41.3 V	47.8 V	10.0 W	165 lm/W	159 lm/W	146 lm/W	> 80
LLE G4 24x560mm 2400lm 830 ADV	830/359	1,770 lm	1,690 lm	225 mA	41.3 V	47.8 V	10.0 W	175 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x560mm 2400lm 835 ADV	835/359	1,790 lm	1,700 lm	225 mA	41.3 V	47.8 V	10.0 W	177 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x560mm 2400lm 840 ADV	840/359	1,850 lm	1,760 lm	225 mA	41.3 V	47.8 V	10.0 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 24x560mm 2400lm 850 ADV	850/359	1,890 lm	1,790 lm	225 mA	41.3 V	47.8 V	10.0 W	187 lm/W	180 lm/W	166 lm/W	> 80
LLE G4 24x560mm 2400lm 865 ADV	865/359	1,860 lm	1,760 lm	225 mA	41.3 V	47.8 V	10.0 W	184 lm/W	176 lm/W	162 lm/W	> 80
Operating mode HE at 275 mA											
LLE G4 24x70mm 325lm 830 ADV	830/359	270 lm	260 lm	275 mA	5.4 V	6.1 V	1.6 W	170 lm/W	166 lm/W	153 lm/W	> 80
LLE G4 24x70mm 325lm 840 ADV	840/359	280 lm	270 lm	275 mA	5.4 V	6.1 V	1.6 W	178 lm/W	174 lm/W	160 lm/W	> 80
LLE G4 24x140mm 650lm 830 ADV	830/359	540 lm	510 lm	275 mA	10.5 V	12.3 V	3.1 W	171 lm/W	166 lm/W	153 lm/W	> 80
LLE G4 24x140mm 650lm 840 ADV	840/359	560 lm	530 lm	275 mA	10.5 V	12.3 V	3.1 W	180 lm/W	173 lm/W	159 lm/W	> 80
LLE G4 24x140mm 650lm 850 ADV	850/359	570 lm	540 lm	275 mA	10.5 V	12.3 V	3.1 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 24x280mm 1250lm 827 ADV	827/359	1,010 lm	970 lm	275 mA	20.9 V	24.2 V	6.2 W	161 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x280mm 1250lm 830 ADV	830/359	1,070 lm	1,020 lm	275 mA	20.9 V	24.2 V	6.2 W	171 lm/W	166 lm/W	153 lm/W	> 80
LLE G4 24x280mm 1250lm 835 ADV	835/359	1,080 lm	1,030 lm	275 mA	20.9 V	24.2 V	6.2 W	173 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 24x280mm 1250lm 840 ADV	840/359	1,120 lm	1,070 lm	275 mA	20.9 V	24.2 V	6.2 W	180 lm/W	173 lm/W	159 lm/W	> 80
LLE G4 24x280mm 1250lm 850 ADV	850/359	1,150 lm	1,090 lm	275 mA	20.9 V	24.2 V	6.2 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 24x280mm 1250lm 865 ADV	865/359	1,130 lm	990 lm	275 mA	20.9 V	24.2 V	6.2 W	180 lm/W	173 lm/W	159 lm/W	> 80
LLE G4 24x560mm 2400lm 827 ADV	827/359	2,030 lm	1,930 lm	275 mA	41.9 V	48.4 V	12.3 W	161 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x560mm 2400lm 830 ADV	830/359	2,150 lm	2,040 lm	275 mA	41.9 V	48.4 V	12.3 W	171 lm/W	166 lm/W	153 lm/W	> 80
LLE G4 24x560mm 2400lm 835 ADV	835/359	2,170 lm	2,050 lm	275 mA	41.9 V	48.4 V	12.3 W	173 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 24x560mm 2400lm 840 ADV	840/359	2,250 lm	2,130 lm	275 mA	41.9 V	48.4 V	12.3 W	180 lm/W	173 lm/W	159 lm/W	> 80
LLE G4 24x560mm 2400lm 850 ADV	850/359	2,290 lm	2,170 lm	275 mA	41.9 V	48.4 V	12.3 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G4 24x560mm 2400lm 865 ADV	865/359	2,260 lm	2,130 lm	275 mA	41.9 V	48.4 V	12.3 W	180 lm/W	173 lm/W	159 lm/W	> 80
Operating mode NM at 300 mA											
LLE G4 24x70mm 325lm 830 ADV	830/359	290 lm	280 lm	300 mA	5.4 V	6.1 V	1.7 W	168 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x70mm 325lm 840 ADV	840/359	310 lm	290 lm	300 mA	5.4 V	6.1 V	1.7 W	176 lm/W	172 lm/W	158 lm/W	> 80
LLE G4 24x140mm 650lm 830 ADV	830/359	580 lm	550 lm	300 mA	10.5 V	12.4 V	3.4 W	170 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x140mm 650lm 840 ADV	840/359	610 lm	580 lm	300 mA	10.5 V	12.4 V	3.4 W	178 lm/W	171 lm/W	157 lm/W	> 80
LLE G4 24x140mm 650lm 850 ADV	850/359	620 lm	590 lm	300 mA	10.5 V	12.4 V	3.4 W	181 lm/W	174 lm/W	160 lm/W	> 80
LLE G4 24x280mm 1250lm 827 ADV	827/359	1,100 lm	1,050 lm	300 mA	21.1 V	24.4 V	6.8 W	160 lm/W	155 lm/W	143 lm/W	> 80
LLE G4 24x280mm 1250lm 830 ADV	830/359	1,160 lm	1,110 lm	300 mA	21.1 V	24.4 V	6.8 W	170 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x280mm 1250lm 835 ADV	835/359	1,170 lm	1,110 lm	300 mA	21.1 V	24.4 V	6.8 W	171 lm/W	165 lm/W	152 lm/W	> 80
LLE G4 24x280mm 1250lm 840 ADV	840/359	1,220 lm	1,160 lm	300 mA	21.1 V	24.4 V	6.8 W	178 lm/W	171 lm/W	157 lm/W	> 80
LLE G4 24x280mm 1250lm 850 ADV	850/359	1,240 lm	1,180 lm	300 mA	21.1 V	24.4 V	6.8 W	181 lm/W	174 lm/W	160 lm/W	> 80
LLE G4 24x280mm 1250lm 865 ADV	865/359	1,230 lm	1,160 lm	300 mA	21.1 V	24.4 V	6.8 W	179 lm/W	171 lm/W	157 lm/W	> 80
LLE G4 24x560mm 2400lm 827 ADV	827/359	2,200 lm	2,100 lm	300 mA	42.2 V	48.7 V	13.5 W	160 lm/W	155 lm/W	143 lm/W	> 80
LLE G4 24x560mm 2400lm 830 ADV	830/359	2,330 lm	2,220 lm	300 mA	42.2 V	48.7 V	13.5 W	170 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x560mm 2400lm 835 ADV	835/359	2,330 lm	2,230 lm	300 mA	42.2 V	48.7 V	13.5 W	171 lm/W	165 lm/W	152 lm/W	> 80
LLE G4 24x560mm 2400lm 840 ADV	840/359	2,440 lm	2,320 lm	300 mA	42.2 V	48.7 V	13.5 W	178 lm/W	171 lm/W	157 lm/W	> 80
LLE G4 24x560mm 2400lm 850 ADV	850/359	2,490 lm	2,360 lm	300 mA	42.2 V	48.7 V	13.5 W	181 lm/W	174 lm/W	160 lm/W	> 80
LLE G4 24x560mm 2400lm 865 ADV	865/359	2,450 lm	2,320 lm	300 mA	42.2 V	48.7 V	13.5 W	179 lm/W	171 lm/W	157 lm/W	> 80

¹⁾ Integral measurement over the complete module.

²⁾ If mounted with M4 screws and plastic washers.

³⁾ Measured at operating mode HO.

⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.

⁵⁾ Tolerance range for optical and electrical data: ±10 %.

Specific technical data

Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ²⁾	Typ. luminous flux at tp = 65 °C ³⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ⁵⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C	Efficacy of the system at tp = 65 °C	Colour rendering index CRI
Operating mode NM at 325 mA											
LLE G4 24x70mm 325lm 830 ADV	830/359	310 lm	300 lm	325 mA	5.4 V	6.2 V	1.9 W	165 lm/W	161 lm/W	148 lm/W	> 80
LLE G4 24x70mm 325lm 840 ADV	840/359	330 lm	310 lm	325 mA	5.4 V	6.2 V	1.9 W	173 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x140mm 650lm 830 ADV	830/359	630 lm	600 lm	325 mA	10.6 V	12.5 V	3.7 W	167 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 24x140mm 650lm 840 ADV	840/359	660 lm	630 lm	325 mA	10.6 V	12.5 V	3.7 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x140mm 650lm 850 ADV	850/359	670 lm	630 lm	325 mA	10.6 V	12.5 V	3.7 W	178 lm/W	172 lm/W	158 lm/W	> 80
LLE G4 24x280mm 1250lm 827 ADV	827/359	1,180 lm	1,130 lm	325 mA	21.2 V	24.5 V	7.4 W	158 lm/W	153 lm/W	141 lm/W	> 80
LLE G4 24x280mm 1250lm 830 ADV	830/359	1,250 lm	1,190 lm	325 mA	21.2 V	24.5 V	7.4 W	167 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 24x280mm 1250lm 835 ADV	835/359	1,270 lm	1,200 lm	325 mA	21.2 V	24.5 V	7.4 W	170 lm/W	163 lm/W	150 lm/W	> 80
LLE G4 24x280mm 1250lm 840 ADV	840/359	1,320 lm	1,250 lm	325 mA	21.2 V	24.5 V	7.4 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x280mm 1250lm 850 ADV	850/359	1,340 lm	1,260 lm	325 mA	21.2 V	24.5 V	7.4 W	178 lm/W	172 lm/W	158 lm/W	> 80
LLE G4 24x280mm 1250lm 865 ADV	865/359	1,330 lm	1,250 lm	325 mA	21.2 V	24.5 V	7.4 W	177 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x560mm 2400lm 827 ADV	827/359	2,360 lm	2,250 lm	325 mA	42.4 V	49.0 V	14.7 W	158 lm/W	153 lm/W	141 lm/W	> 80
LLE G4 24x560mm 2400lm 830 ADV	830/359	2,500 lm	2,380 lm	325 mA	42.4 V	49.0 V	14.7 W	167 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 24x560mm 2400lm 835 ADV	835/359	2,530 lm	2,400 lm	325 mA	42.4 V	49.0 V	14.7 W	170 lm/W	163 lm/W	150 lm/W	> 80
LLE G4 24x560mm 2400lm 840 ADV	840/359	2,630 lm	2,500 lm	325 mA	42.4 V	49.0 V	14.7 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x560mm 2400lm 850 ADV	850/359	2,670 lm	2,530 lm	325 mA	42.4 V	49.0 V	14.7 W	178 lm/W	172 lm/W	158 lm/W	> 80
LLE G4 24x560mm 2400lm 865 ADV	865/359	2,650 lm	2,500 lm	325 mA	42.4 V	49.0 V	14.7 W	177 lm/W	170 lm/W	156 lm/W	> 80
Operating mode NM at 350 mA											
LLE G4 24x70mm 325lm 830 ADV	830/359	330 lm	320 lm	350 mA	5.5 V	6.2 V	2.0 W	163 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 24x70mm 325lm 840 ADV	840/359	350 lm	330 lm	350 mA	5.5 V	6.2 V	2.0 W	171 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 24x140mm 650lm 830 ADV	830/359	670 lm	640 lm	350 mA	10.7 V	12.6 V	4.0 W	166 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 24x140mm 650lm 840 ADV	840/359	700 lm	670 lm	350 mA	10.7 V	12.6 V	4.0 W	174 lm/W	167 lm/W	153 lm/W	> 80
LLE G4 24x140mm 650lm 850 ADV	850/359	720 lm	680 lm	350 mA	10.7 V	12.6 V	4.0 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x280mm 1250lm 827 ADV	827/359	1,270 lm	1,210 lm	350 mA	21.4 V	24.6 V	8.0 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G4 24x280mm 1250lm 830 ADV	830/359	1,340 lm	1,280 lm	350 mA	21.4 V	24.6 V	8.0 W	166 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 24x280mm 1250lm 835 ADV	835/359	1,350 lm	1,290 lm	350 mA	21.4 V	24.6 V	8.0 W	165 lm/W	159 lm/W	146 lm/W	> 80
LLE G4 24x280mm 1250lm 840 ADV	840/359	1,410 lm	1,340 lm	350 mA	21.4 V	24.6 V	8.0 W	174 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 24x280mm 1250lm 850 ADV	850/359	1,440 lm	1,360 lm	350 mA	21.4 V	24.6 V	8.0 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x280mm 1250lm 865 ADV	865/359	1,420 lm	1,340 lm	350 mA	21.4 V	24.6 V	8.0 W	175 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 24x560mm 2400lm 827 ADV	827/359	2,540 lm	2,420 lm	350 mA	42.7 V	49.3 V	16.0 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G4 24x560mm 2400lm 830 ADV	830/359	2,690 lm	2,560 lm	350 mA	42.7 V	49.3 V	16.0 W	166 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 24x560mm 2400lm 835 ADV	835/359	2,690 lm	2,570 lm	350 mA	42.7 V	49.3 V	16.0 W	165 lm/W	159 lm/W	146 lm/W	> 80
LLE G4 24x560mm 2400lm 840 ADV	840/359	2,810 lm	2,670 lm	350 mA	42.7 V	49.3 V	16.0 W	173 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 24x560mm 2400lm 850 ADV	850/359	2,870 lm	2,720 lm	350 mA	42.7 V	49.3 V	16.0 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x560mm 2400lm 865 ADV	865/359	2,830 lm	2,670 lm	350 mA	42.7 V	49.3 V	16.0 W	175 lm/W	167 lm/W	154 lm/W	> 80
Operating mode HO at 400 mA											
LLE G4 24x70mm 325lm 830 ADV	830/359	380 lm	360 lm	400 mA	5.5 V	6.3 V	2.4 W	159 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x70mm 325lm 840 ADV	840/359	400 lm	380 lm	400 mA	5.5 V	6.3 V	2.4 W	167 lm/W	163 lm/W	150 lm/W	> 80
LLE G4 24x140mm 650lm 830 ADV	830/359	750 lm	710 lm	400 mA	10.8 V	12.7 V	4.6 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 24x140mm 650lm 840 ADV	840/359	790 lm	750 lm	400 mA	10.8 V	12.7 V	4.6 W	168 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 24x140mm 650lm 850 ADV	850/359	800 lm	760 lm	400 mA	10.8 V	12.7 V	4.6 W	171 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x280mm 1250lm 827 ADV	827/359	1,420 lm	1,350 lm	400 mA	21.6 V	24.9 V	9.2 W	151 lm/W	146 lm/W	134 lm/W	> 80
LLE G4 24x280mm 1250lm 830 ADV	830/359	1,500 lm	1,430 lm	400 mA	21.6 V	24.9 V	9.2 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 24x280mm 1250lm 835 ADV	835/359	1,520 lm	1,440 lm	400 mA	21.6 V	24.9 V	9.2 W	162 lm/W	157 lm/W	144 lm/W	> 80
LLE G4 24x280mm 1250lm 840 ADV	840/359	1,580 lm	1,500 lm	400 mA	21.6 V	24.9 V	9.2 W	168 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 24x280mm 1250lm 850 ADV	850/359	1,600 lm	1,510 lm	400 mA	21.6 V	24.9 V	9.2 W	171 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x280mm 1250lm 865 ADV	865/359	1,590 lm	1,500 lm	400 mA	21.6 V	24.9 V	9.2 W	170 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 24x560mm 2400lm 827 ADV	827/359	2,830 lm	2,700 lm	400 mA	43.2 V	49.8 V	18.4 W	151 lm/W	146 lm/W	134 lm/W	> 80
LLE G4 24x560mm 2400lm 830 ADV	830/359	3,000 lm	2,850 lm	400 mA	43.2 V	49.8 V	18.4 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 24x560mm 2400lm 835 ADV	835/359	3,030 lm	2,880 lm	400 mA	43.2 V	49.8 V	18.4 W	162 lm/W	157 lm/W	144 lm/W	> 80
LLE G4 24x560mm 2400lm 840 ADV	840/359	3,160 lm	2,990 lm	400 mA	43.2 V	49.8 V	18.4 W	168 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 24x560mm 2400lm 850 ADV	850/359	3,200 lm	3,030 lm	400 mA	43.2 V	49.8 V	18.4 W	171 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x560mm 2400lm 865 ADV	865/359	3,180 lm	3,000 lm	400 mA	43.2 V	49.8 V	18.4 W	170 lm/W	162 lm/W	149 lm/W	> 80

¹⁾ Integral measurement over the complete module.²⁾ If mounted with M4 screws and plastic washers.³⁾ Measured at operating mode HO.⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.⁵⁾ Tolerance range for optical and electrical data: ±10 %.

Specific technical data

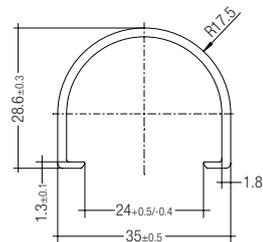
Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ²⁾	Typ. luminous flux at tp = 65 °C ³⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ³⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C	Efficacy of the system at tp = 65 °C	Colour rendering index CRI
Operating mode HO at 450 mA											
LLE G4 24x70mm 325lm 830 ADV	830/359	420 lm	400 lm	450 mA	5.6 V	6.3 V	2.7 W	156 lm/W	153 lm/W	141 lm/W	> 80
LLE G4 24x70mm 325lm 840 ADV	840/359	440 lm	420 lm	450 mA	5.6 V	6.3 V	2.7 W	164 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 24x140mm 650lm 830 ADV	830/359	840 lm	800 lm	450 mA	10.9 V	12.8 V	5.2 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G4 24x140mm 650lm 840 ADV	840/359	870 lm	830 lm	450 mA	10.9 V	12.8 V	5.2 W	165 lm/W	158 lm/W	145 lm/W	> 80
LLE G4 24x140mm 650lm 850 ADV	850/359	890 lm	840 lm	450 mA	10.9 V	12.8 V	5.2 W	168 lm/W	161 lm/W	148 lm/W	> 80
LLE G4 24x280mm 1250lm 827 ADV	827/359	1,580 lm	1,510 lm	450 mA	21.9 V	25.2 V	10.5 W	148 lm/W	144 lm/W	132 lm/W	> 80
LLE G4 24x280mm 1250lm 830 ADV	830/359	1,670 lm	1,590 lm	450 mA	21.9 V	25.2 V	10.5 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G4 24x280mm 1250lm 835 ADV	835/359	1,690 lm	1,620 lm	450 mA	21.9 V	25.2 V	10.5 W	159 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 24x280mm 1250lm 840 ADV	840/359	1,750 lm	1,660 lm	450 mA	21.9 V	25.2 V	10.5 W	165 lm/W	158 lm/W	145 lm/W	> 80
LLE G4 24x280mm 1250lm 850 ADV	850/359	1,780 lm	1,690 lm	450 mA	21.9 V	25.2 V	10.5 W	168 lm/W	161 lm/W	148 lm/W	> 80
LLE G4 24x280mm 1250lm 865 ADV	865/359	1,760 lm	1,660 lm	450 mA	21.9 V	25.2 V	10.5 W	165 lm/W	158 lm/W	145 lm/W	> 80
LLE G4 24x560mm 2400lm 827 ADV	827/359	3,150 lm	3,010 lm	450 mA	43.8 V	50.3 V	21.0 W	148 lm/W	144 lm/W	132 lm/W	> 80
LLE G4 24x560mm 2400lm 830 ADV	830/359	3,340 lm	3,180 lm	450 mA	43.8 V	50.3 V	21.0 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G4 24x560mm 2400lm 835 ADV	835/359	3,390 lm	3,230 lm	450 mA	43.8 V	50.3 V	21.0 W	159 lm/W	155 lm/W	142 lm/W	> 80
LLE G4 24x560mm 2400lm 840 ADV	840/359	3,500 lm	3,320 lm	450 mA	43.8 V	50.3 V	21.0 W	165 lm/W	158 lm/W	145 lm/W	> 80
LLE G4 24x560mm 2400lm 850 ADV	850/359	3,570 lm	3,380 lm	450 mA	43.8 V	50.3 V	21.0 W	168 lm/W	161 lm/W	148 lm/W	> 80
LLE G4 24x560mm 2400lm 865 ADV	865/359	3,520 lm	3,320 lm	450 mA	43.8 V	50.3 V	21.0 W	165 lm/W	158 lm/W	145 lm/W	> 80
Operating mode HO at 500 mA											
LLE G4 24x70mm 325lm 830 ADV	830/359	460 lm	440 lm	500 mA	5.7 V	6.4 V	3.0 W	152 lm/W	149 lm/W	137 lm/W	> 80
LLE G4 24x70mm 325lm 840 ADV	840/359	480 lm	460 lm	500 mA	5.7 V	6.4 V	3.0 W	160 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x140mm 650lm 830 ADV	830/359	910 lm	870 lm	500 mA	11.1 V	12.9 V	5.9 W	153 lm/W	147 lm/W	135 lm/W	> 80
LLE G4 24x140mm 650lm 835 ADV	835/359	930 lm	890 lm	500 mA	11.1 V	12.9 V	5.9 W	156 lm/W	151 lm/W	139 lm/W	> 80
LLE G4 24x140mm 650lm 840 ADV	840/359	950 lm	910 lm	500 mA	11.1 V	12.9 V	5.9 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 24x140mm 650lm 850 ADV	850/359	970 lm	920 lm	500 mA	11.1 V	12.9 V	5.9 W	163 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x280mm 1250lm 827 ADV	827/359	1,720 lm	1,640 lm	500 mA	22.1 V	25.4 V	11.8 W	144 lm/W	139 lm/W	128 lm/W	> 80
LLE G4 24x280mm 1250lm 830 ADV	830/359	1,820 lm	1,730 lm	500 mA	22.1 V	25.4 V	11.8 W	153 lm/W	147 lm/W	135 lm/W	> 80
LLE G4 24x280mm 1250lm 835 ADV	835/359	1,860 lm	1,780 lm	500 mA	22.1 V	25.4 V	11.8 W	156 lm/W	151 lm/W	139 lm/W	> 80
LLE G4 24x280mm 1250lm 840 ADV	840/359	1,910 lm	1,810 lm	500 mA	22.1 V	25.4 V	11.8 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 24x280mm 1250lm 850 ADV	850/359	1,940 lm	1,840 lm	500 mA	22.1 V	25.4 V	11.8 W	163 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x280mm 1250lm 865 ADV	865/359	1,920 lm	1,810 lm	500 mA	22.1 V	25.4 V	11.8 W	161 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 24x560mm 2400lm 827 ADV	827/359	3,430 lm	3,280 lm	500 mA	44.2 V	50.8 V	23.6 W	144 lm/W	139 lm/W	128 lm/W	> 80
LLE G4 24x560mm 2400lm 830 ADV	830/359	3,640 lm	3,470 lm	500 mA	44.2 V	50.8 V	23.6 W	153 lm/W	147 lm/W	135 lm/W	> 80
LLE G4 24x560mm 2400lm 835 ADV	835/359	3,720 lm	3,550 lm	500 mA	44.2 V	50.8 V	23.6 W	156 lm/W	151 lm/W	139 lm/W	> 80
LLE G4 24x560mm 2400lm 840 ADV	840/359	3,810 lm	3,620 lm	500 mA	44.2 V	50.8 V	23.6 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G4 24x560mm 2400lm 850 ADV	850/359	3,890 lm	3,680 lm	500 mA	44.2 V	50.8 V	23.6 W	163 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x560mm 2400lm 865 ADV	865/359	3,830 lm	3,620 lm	500 mA	44.2 V	50.8 V	23.6 W	161 lm/W	154 lm/W	142 lm/W	> 80

¹⁾ Integral measurement over the complete module.²⁾ If mounted with M4 screws and plastic washers.³⁾ Measured at operating mode HO.⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.⁵⁾ Tolerance range for optical and electrical data: ±10 %.

LINEAR COVER SY

Product description

- LINEAR COVER for LLE 24
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- High transmission:
 - transparent 94 %
 - semi-transparent 87 %
 - diffuse 76 %
- Made of PMMA
- Tolerances: ± 1 mm for 597 mm length (ends finished),
+ 20 mm for 1,200/1,500/1,600/1,800 mm length (ends raw)



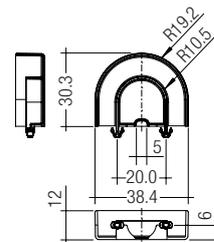
Ordering data

Type	Article number	Colour	Length	Packaging, carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	28000338	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	28000437	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	28000339	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	28000435	Semi-transparent	1,500 mm	12 pc(s).	0.244 kg
LINEAR COVER SY Frosted 1200mm	28000422	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	28000340	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	28000438	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	28000341	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	28000436	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	28000434	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	28000342	Diffuse	597 mm	12 pc(s).	0.102 kg

ACL ENDCAP LLE24 PUSH-FIX

Product description

- ENDCAP for LLE 24
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm),
for drilling hole 4 mm
- Made of polycarbonate



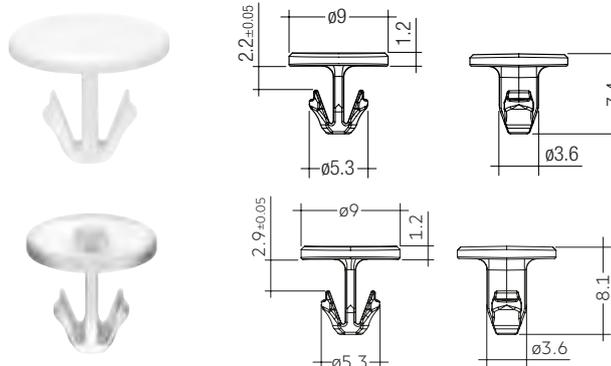
Ordering data

Type	Article number	Colour	Packaging, carton	Weight per pc.
ACL ENDCAP LLE24 PUSH-FIX	28001037	White	480 pc(s).	0.003 kg

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

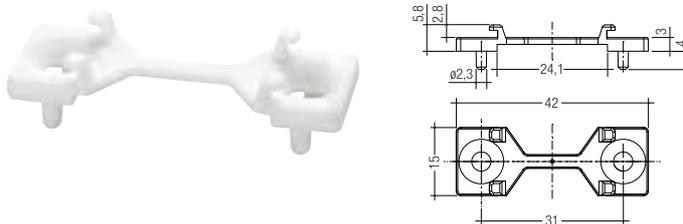
¹⁾ Minimum sales quantity 500 pcs.

RoHS

BRIDGE LLE24/40

Product description

- Enables the fixation of 24 mm wide Tridonic LED modules to fixtures made for 40 mm wide modules
- Ideal for extruded aluminium gear trays made for 40 mm modules with pre-alignment knobs
- Clip-on for LINEAR COVER and LINEAR LENS ²⁾
- For LLE 24 with 280 mm module minimum 2 bridges required
- For LLE 24 with 560 mm module minimum 3 bridges required
- Fixation via M3 or M4 countersunk screw, max. tightening torque 0.5 Nm
- BRIDGE made of white polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL BRIDGE LLE24/40 SCREW-FIX	28001205	White	600 pc(s).	0.001 kg

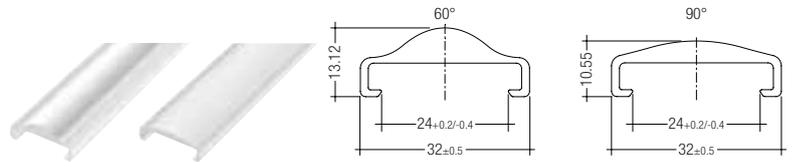
¹⁾ Minimum sales quantity 600 pcs.

²⁾ Beam characteristics will change due to the elevated fixation (see photometric files for details).

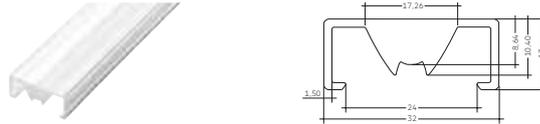
LINEAR LENS

Product description

- Linear lens for LLE 24
- Available with different beam characteristics
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Available lengths: 1,200, 1,500, 1,600 and 1,800 mm,
Tolerance: + 10 mm, at 1,600 mm
± 20 mm tolerances and ends raw
- Photometric data available on website



ACL LINEAR LENS 24mm 60° and 90°



ACL LINEAR LENS 24mm INTENSE



ACL LINEAR LENS 24mm BATWING



ACL LINEAR LENS 24mm ASY



ACL LINEAR LENS 24mm DASY

Ordering data

Type	Article number	Beam characteristic	Efficiency	Packaging, carton	Weight per pc.
ACL LINEAR LENS 24x1200mm 60°	28001428	60°	97 %	21 pc(s).	0.196 kg
ACL LINEAR LENS 24x1200mm 90°	28001429	90°	97 %	21 pc(s).	0.165 kg
ACL LINEAR LENS 24x1600mm 60°	28000953	60°	97 %	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	28000955	90°	97 %	21 pc(s).	0.221 kg
ACL LINEAR LENS 24x1200mm INTENSE	28002024	40°	95 %	18 pc(s).	0.261 kg
ACL LINEAR LENS 24x1500mm INTENSE	28002025	40°	95 %	18 pc(s).	0.326 kg
ACL LINEAR LENS 24x1800mm INTENSE	28002026	40°	95 %	18 pc(s).	0.392 kg
ACL LINEAR LENS 24x1200mm BATWING	28002027	batwing	95 %	18 pc(s).	0.275 kg
ACL LINEAR LENS 24x1500mm BATWING	28002028	batwing	95 %	18 pc(s).	0.344 kg
ACL LINEAR LENS 24x1800mm BATWING	28002029	batwing	95 %	18 pc(s).	0.412 kg
ACL LINEAR LENS 24x1200mm ASY	28002030	asymmetric	95 %	18 pc(s).	0.250 kg
ACL LINEAR LENS 24x1500mm ASY	28002031	asymmetric	95 %	18 pc(s).	0.312 kg
ACL LINEAR LENS 24x1800mm ASY	28002032	asymmetric	95 %	18 pc(s).	0.375 kg
ACL LINEAR LENS 24x1200mm DASY	28002033	double asymmetric	92 %	18 pc(s).	0.249 kg
ACL LINEAR LENS 24x1500mm DASY	28002034	double asymmetric	92 %	18 pc(s).	0.311 kg
ACL LINEAR LENS 24x1800mm DASY	28002035	double asymmetric	92 %	18 pc(s).	0.373 kg



Module LLE G4 24mm 2000lm ADV

Module LLE ADVANCED

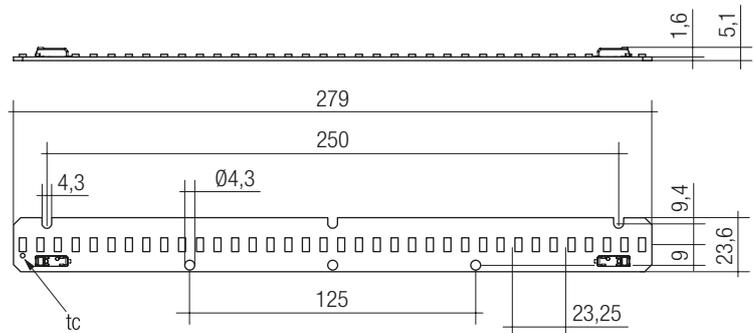
Product description

- Ideal for linear and panel lights
 - Typ. luminous flux 2,000 and 4,000 lm
 - LED system solution with outstanding system efficacy up to 164 lm/W, consisting of linear LED module and dimmable LED Driver LCA 50W 100–400mA Ip PRE
 - Efficacy of the module up to 185 lm/W
 - High colour rendering index CRI > 80
 - Small colour tolerance MacAdam 3rd
 - Small luminous flux tolerances
 - Colour temperatures 3,000, 4,000, 5,000 and 6,500 K
 - Module dimension 24 x 280 mm and 24 x 560 mm (ZHAGA compliant)
 - Perfectly uniform light, even if several LED modules are used together in a line
 - Push terminals for quick and simple wiring of LED module to LED module
 - Simple installation (e.g. screws)
 - Long life-time: 50,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request

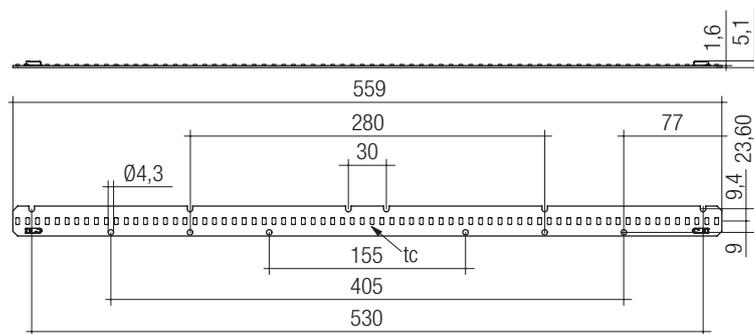


LLE G4 24x280mm 2000lm ADV

LLE G4 24x560mm 4000lm ADV



LLE G4 24x280mm 2000lm ADV



LLE G4 24x560mm 4000lm ADV



For standards see data sheet

For colour temperatures and tolerances see data sheet

Technical data

Beam characteristic	120°
Ambient temperature range	-40 ... +65 °C
tp rated	65 °C
tc	85 °C
Irated	350 mA
I _{max}	500 mA
Max. DC forward current	600 mA
Max. permissible LF current ripple	660 mA
Max. permissible peak current	780 mA / max. 10 ms
Max. working voltage for insulation ²⁾	320 V
Insulation test voltage	1,64 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (EN 62471:2008) at 450 mA	RG1
Risk group (EN 62471:2008) at 500 mA	RG2 (Ethr=tbid, RG1 at d > tbid)
Classification acc. to IEC 62031	Built-in
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
LLE G4 24x280mm 2000lm 830 2T ADV	28001496	3,000 K	300 pc(s).	0.023 kg
LLE G4 24x280mm 2000lm 840 2T ADV	28001497	4,000 K	300 pc(s).	0.023 kg
LLE G4 24x280mm 2000lm 850 2T ADV	28001498	5,000 K	300 pc(s).	0.023 kg
LLE G4 24x280mm 2000lm 865 2T ADV	28001499	6,500 K	300 pc(s).	0.023 kg
LLE G4 24x560mm 4000lm 830 2T ADV	28001501	3,000 K	240 pc(s).	0.046 kg
LLE G4 24x560mm 4000lm 840 2T ADV	28001502	4,000 K	240 pc(s).	0.046 kg
LLE G4 24x560mm 4000lm 850 2T ADV	28001503	5,000 K	240 pc(s).	0.046 kg
LLE G4 24x560mm 4000lm 865 2T ADV	28001504	6,500 K	240 pc(s).	0.046 kg

Specific technical data

Type ³⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ⁴⁾	Typ. luminous flux at tp = 65 °C ⁴⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ⁴⁾	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI
Operating mode HE at 225 mA											
LLE G4 24x280mm 2000lm 830 2T ADV	830/359	1,320 lm	1,260 lm	225 mA	30,9 V	35,8 V	7,5 W	174 lm/W	168 lm/W	155 lm/W	> 80
LLE G4 24x280mm 2000lm 840 2T ADV	840/359	1,380 lm	1,310 lm	225 mA	30,9 V	35,8 V	7,5 W	182 lm/W	175 lm/W	161 lm/W	> 80
LLE G4 24x280mm 2000lm 850 2T ADV	850/359	1,410 lm	1,330 lm	225 mA	30,9 V	35,8 V	7,5 W	185 lm/W	178 lm/W	164 lm/W	> 80
LLE G4 24x280mm 2000lm 865 2T ADV	865/359	1,390 lm	1,310 lm	225 mA	30,9 V	35,8 V	7,5 W	182 lm/W	175 lm/W	161 lm/W	> 80
LLE G4 24x560mm 4000lm 830 2T ADV	830/359	2,640 lm	2,510 lm	225 mA	61,9 V	71,6 V	15,0 W	174 lm/W	168 lm/W	155 lm/W	> 80
LLE G4 24x560mm 4000lm 840 2T ADV	840/359	2,760 lm	2,620 lm	225 mA	61,9 V	71,6 V	15,0 W	182 lm/W	175 lm/W	161 lm/W	> 80
LLE G4 24x560mm 4000lm 850 2T ADV	850/359	2,810 lm	2,670 lm	225 mA	61,9 V	71,6 V	15,0 W	185 lm/W	178 lm/W	164 lm/W	> 80
LLE G4 24x560mm 4000lm 865 2T ADV	865/359	2,780 lm	2,620 lm	225 mA	61,9 V	71,6 V	15,0 W	182 lm/W	175 lm/W	161 lm/W	> 80
Operating mode HE at 275 mA											
LLE G4 24x280mm 2000lm 830 2T ADV	830/359	1,600 lm	1,520 lm	275 mA	31,4 V	36,3 V	9,3 W	170 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x280mm 2000lm 840 2T ADV	840/359	1,680 lm	1,590 lm	275 mA	31,4 V	36,3 V	9,3 W	178 lm/W	172 lm/W	158 lm/W	> 80
LLE G4 24x280mm 2000lm 850 2T ADV	850/359	1,710 lm	1,620 lm	275 mA	31,4 V	36,3 V	9,3 W	182 lm/W	175 lm/W	161 lm/W	> 80
LLE G4 24x280mm 2000lm 865 2T ADV	865/359	1,680 lm	1,590 lm	275 mA	31,4 V	36,3 V	9,3 W	179 lm/W	171 lm/W	157 lm/W	> 80
LLE G4 24x560mm 4000lm 830 2T ADV	830/359	3,200 lm	3,050 lm	275 mA	62,8 V	72,5 V	18,6 W	170 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x560mm 4000lm 840 2T ADV	840/359	3,350 lm	3,180 lm	275 mA	62,8 V	72,5 V	18,6 W	178 lm/W	172 lm/W	158 lm/W	> 80
LLE G4 24x560mm 4000lm 850 2T ADV	850/359	3,420 lm	3,240 lm	275 mA	62,8 V	72,5 V	18,6 W	182 lm/W	175 lm/W	161 lm/W	> 80
LLE G4 24x560mm 4000lm 865 2T ADV	865/359	3,370 lm	3,180 lm	275 mA	62,8 V	72,5 V	18,6 W	179 lm/W	171 lm/W	157 lm/W	> 80
Operating mode NM at 300 mA											
LLE G4 24x280mm 2000lm 830 2T ADV	830/359	1,740 lm	1,660 lm	300 mA	31,6 V	36,5 V	10,2 W	169 lm/W	163 lm/W	150 lm/W	> 80
LLE G4 24x280mm 2000lm 840 2T ADV	840/359	1,820 lm	1,730 lm	300 mA	31,6 V	36,5 V	10,2 W	177 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x280mm 2000lm 850 2T ADV	850/359	1,860 lm	1,760 lm	300 mA	31,6 V	36,5 V	10,2 W	180 lm/W	173 lm/W	159 lm/W	> 80
LLE G4 24x280mm 2000lm 865 2T ADV	865/359	1,830 lm	1,730 lm	300 mA	31,6 V	36,5 V	10,2 W	178 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x560mm 4000lm 830 2T ADV	830/359	3,480 lm	3,310 lm	300 mA	63,2 V	73,0 V	20,4 W	169 lm/W	163 lm/W	150 lm/W	> 80
LLE G4 24x560mm 4000lm 840 2T ADV	840/359	3,640 lm	3,460 lm	300 mA	63,2 V	73,0 V	20,4 W	177 lm/W	170 lm/W	156 lm/W	> 80
LLE G4 24x560mm 4000lm 850 2T ADV	850/359	3,720 lm	3,520 lm	300 mA	63,2 V	73,0 V	20,4 W	180 lm/W	173 lm/W	159 lm/W	> 80
LLE G4 24x560mm 4000lm 865 2T ADV	865/359	3,670 lm	3,460 lm	300 mA	63,2 V	73,0 V	20,4 W	178 lm/W	170 lm/W	156 lm/W	> 80

¹⁾ Integral measurement over the complete module.²⁾ If mounted with M4 screws and plastic washers.³⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.⁴⁾ Tolerance range for optical and electrical data: ±10 %.

Specific technical data

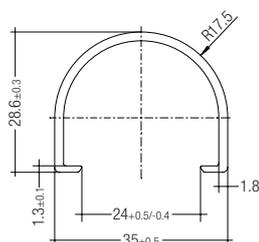
Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ⁴⁾	Typ. luminous flux at tp = 65 °C ⁴⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ⁴⁾	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI
Operating mode NM at 325 mA											
LLE G4 24x280mm 2000lm 830 2T ADV	830/359	1,880 lm	1,790 lm	325 mA	31.8 V	36.7 V	111 W	167 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 24x280mm 2000lm 840 2T ADV	840/359	1,960 lm	1,870 lm	325 mA	31.8 V	36.7 V	111 W	175 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x280mm 2000lm 850 2T ADV	850/359	2,000 lm	1,900 lm	325 mA	31.8 V	36.7 V	111 W	179 lm/W	172 lm/W	158 lm/W	> 80
LLE G4 24x280mm 2000lm 865 2T ADV	865/359	1,980 lm	1,870 lm	325 mA	31.8 V	36.7 V	111 W	176 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x560mm 4000lm 830 2T ADV	830/359	3,750 lm	3,570 lm	325 mA	63.6 V	73.4 V	221 W	167 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 24x560mm 4000lm 840 2T ADV	840/359	3,930 lm	3,730 lm	325 mA	63.6 V	73.4 V	221 W	175 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x560mm 4000lm 850 2T ADV	850/359	4,010 lm	3,800 lm	325 mA	63.6 V	73.4 V	221 W	179 lm/W	172 lm/W	158 lm/W	> 80
LLE G4 24x560mm 4000lm 865 2T ADV	865/359	3,950 lm	3,730 lm	325 mA	63.6 V	73.4 V	221 W	176 lm/W	169 lm/W	155 lm/W	> 80
Operating mode NM at 350 mA											
LLE G4 24x280mm 2000lm 830 2T ADV	830/359	2,000 lm	1,910 lm	350 mA	32.0 V	36.9 V	12.0 W	165 lm/W	159 lm/W	146 lm/W	> 80
LLE G4 24x280mm 2000lm 840 2T ADV	840/359	2,110 lm	2,000 lm	350 mA	32.0 V	36.9 V	12.0 W	174 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 24x280mm 2000lm 850 2T ADV	850/359	2,130 lm	2,020 lm	350 mA	32.0 V	36.9 V	12.0 W	175 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x280mm 2000lm 865 2T ADV	865/359	2,120 lm	2,000 lm	350 mA	32.0 V	36.9 V	12.0 W	174 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 24x560mm 4000lm 830 2T ADV	830/359	4,000 lm	3,810 lm	350 mA	64.0 V	73.8 V	23.9 W	165 lm/W	159 lm/W	146 lm/W	> 80
LLE G4 24x560mm 4000lm 840 2T ADV	840/359	4,210 lm	4,000 lm	350 mA	64.0 V	73.8 V	23.9 W	174 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 24x560mm 4000lm 850 2T ADV	850/359	4,260 lm	4,040 lm	350 mA	64.0 V	73.8 V	23.9 W	175 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x560mm 4000lm 865 2T ADV	865/359	4,230 lm	4,000 lm	350 mA	64.0 V	73.8 V	23.9 W	174 lm/W	167 lm/W	154 lm/W	> 80
Operating mode HO at 400 mA											
LLE G4 24x280mm 2000lm 830 2T ADV	830/359	2,240 lm	2,130 lm	400 mA	32.4 V	37.3 V	13.8 W	159 lm/W	153 lm/W	141 lm/W	> 80
LLE G4 24x280mm 2000lm 840 2T ADV	840/359	2,360 lm	2,240 lm	400 mA	32.4 V	37.3 V	13.8 W	167 lm/W	161 lm/W	148 lm/W	> 80
LLE G4 24x280mm 2000lm 850 2T ADV	850/359	2,390 lm	2,250 lm	400 mA	32.4 V	37.3 V	13.8 W	169 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 24x280mm 2000lm 865 2T ADV	865/359	2,370 lm	2,230 lm	400 mA	32.4 V	37.3 V	13.8 W	168 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 24x560mm 4000lm 830 2T ADV	830/359	4,480 lm	4,260 lm	400 mA	64.8 V	74.6 V	27.7 W	159 lm/W	153 lm/W	141 lm/W	> 80
LLE G4 24x560mm 4000lm 840 2T ADV	840/359	4,720 lm	4,470 lm	400 mA	64.8 V	74.6 V	27.7 W	167 lm/W	161 lm/W	148 lm/W	> 80
LLE G4 24x560mm 4000lm 850 2T ADV	850/359	4,770 lm	4,510 lm	400 mA	64.8 V	74.6 V	27.7 W	169 lm/W	162 lm/W	149 lm/W	> 80
LLE G4 24x560mm 4000lm 865 2T ADV	865/359	4,740 lm	4,470 lm	400 mA	64.8 V	74.6 V	27.7 W	168 lm/W	160 lm/W	147 lm/W	> 80
Operating mode HO at 450 mA											
LLE G4 24x280mm 2000lm 830 2T ADV	830/359	2,490 lm	2,370 lm	450 mA	32.8 V	37.7 V	15.7 W	156 lm/W	151 lm/W	139 lm/W	> 80
LLE G4 24x280mm 2000lm 840 2T ADV	840/359	2,600 lm	2,470 lm	450 mA	32.8 V	37.7 V	15.7 W	164 lm/W	158 lm/W	145 lm/W	> 80
LLE G4 24x280mm 2000lm 850 2T ADV	850/359	2,650 lm	2,510 lm	450 mA	32.8 V	37.7 V	15.7 W	167 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 24x280mm 2000lm 865 2T ADV	865/359	2,620 lm	2,470 lm	450 mA	32.8 V	37.7 V	15.7 W	164 lm/W	158 lm/W	145 lm/W	> 80
LLE G4 24x560mm 4000lm 830 2T ADV	830/359	4,970 lm	4,730 lm	450 mA	65.6 V	75.4 V	31.4 W	156 lm/W	151 lm/W	139 lm/W	> 80
LLE G4 24x560mm 4000lm 840 2T ADV	840/359	5,200 lm	4,940 lm	450 mA	65.6 V	75.4 V	31.4 W	164 lm/W	158 lm/W	145 lm/W	> 80
LLE G4 24x560mm 4000lm 850 2T ADV	850/359	5,310 lm	5,030 lm	450 mA	65.6 V	75.4 V	31.4 W	167 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 24x560mm 4000lm 865 2T ADV	865/359	5,240 lm	4,950 lm	450 mA	65.6 V	75.4 V	31.4 W	164 lm/W	158 lm/W	145 lm/W	> 80
Operating mode HO at 500 mA											
LLE G4 24x280mm 2000lm 830 2T ADV	830/359	2,700 lm	2,570 lm	500 mA	33.2 V	38.1 V	17.6 W	151 lm/W	146 lm/W	134 lm/W	> 80
LLE G4 24x280mm 2000lm 840 2T ADV	840/359	2,820 lm	2,680 lm	500 mA	33.2 V	38.1 V	17.6 W	158 lm/W	153 lm/W	141 lm/W	> 80
LLE G4 24x280mm 2000lm 850 2T ADV	850/359	2,880 lm	2,730 lm	500 mA	33.2 V	38.1 V	17.6 W	162 lm/W	155 lm/W	143 lm/W	> 80
LLE G4 24x280mm 2000lm 865 2T ADV	865/359	2,840 lm	2,680 lm	500 mA	33.2 V	38.1 V	17.6 W	159 lm/W	153 lm/W	141 lm/W	> 80
LLE G4 24x560mm 4000lm 830 2T ADV	830/359	5,390 lm	5,140 lm	500 mA	66.4 V	76.1 V	35.2 W	151 lm/W	146 lm/W	134 lm/W	> 80
LLE G4 24x560mm 4000lm 840 2T ADV	840/359	5,650 lm	5,360 lm	500 mA	66.4 V	76.1 V	35.2 W	158 lm/W	153 lm/W	141 lm/W	> 80
LLE G4 24x560mm 4000lm 850 2T ADV	850/359	5,760 lm	5,460 lm	500 mA	66.4 V	76.1 V	35.2 W	162 lm/W	155 lm/W	143 lm/W	> 80
LLE G4 24x560mm 4000lm 865 2T ADV	865/359	5,680 lm	5,370 lm	500 mA	66.4 V	76.1 V	35.2 W	159 lm/W	153 lm/W	141 lm/W	> 80

¹⁾ Integral measurement over the complete module.²⁾ If mounted with M4 screws and plastic washers.³⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.⁴⁾ Tolerance range for optical and electrical data: ±10 %.

LINEAR COVER SY

Product description

- LINEAR COVER for LLE 24
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- High transmission:
 - transparent 94 %
 - semi-transparent 87 %
 - diffuse 76 %
- Made of PMMA
- Tolerances: ± 1 mm for 597 mm length (ends finished),
+ 20 mm for 1,200/1,500/1,600/1,800 mm length (ends raw)



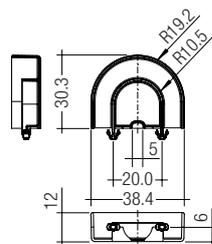
Ordering data

Type	Article number	Colour	Length	Packaging, carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	28000338	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	28000437	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	28000339	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	28000435	Semi-transparent	1,500 mm	12 pc(s).	0.244 kg
LINEAR COVER SY Frosted 1200mm	28000422	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	28000340	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	28000438	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	28000341	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	28000436	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	28000434	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	28000342	Diffuse	597 mm	12 pc(s).	0.102 kg

ACL ENDCAP LLE24 PUSH-FIX

Product description

- ENDCAP for LLE 24
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm),
for drilling hole 4 mm
- Made of polycarbonate



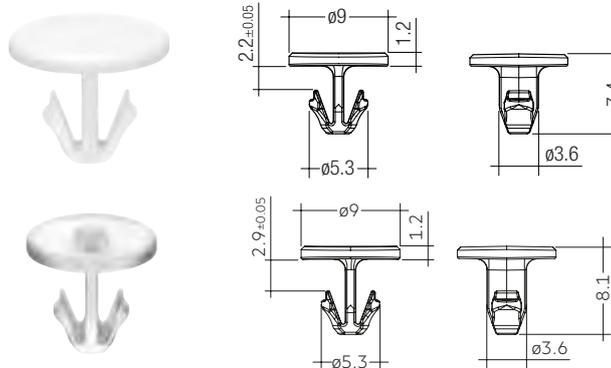
Ordering data

Type	Article number	Colour	Packaging, carton	Weight per pc.
ACL ENDCAP LLE24 PUSH-FIX	28001037	White	480 pc(s).	0.003 kg

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

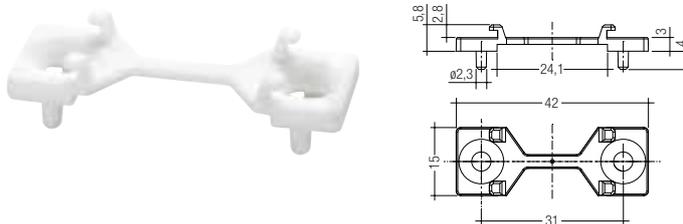
¹⁾ Minimum sales quantity 500 pcs.

RoHS

BRIDGE LLE24/40

Product description

- Enables the fixation of 24 mm wide Tridonic LED modules to fixtures made for 40 mm wide modules
- Ideal for extruded aluminium gear trays made for 40 mm modules with pre-alignment knobs
- Clip-on for LINEAR COVER and LINEAR LENS ²⁾
- For LLE 24 with 280 mm module minimum 2 bridges required
- For LLE 24 with 560 mm module minimum 3 bridges required
- Fixation via M3 or M4 countersunk screw, max. tightening torque 0.5 Nm
- BRIDGE made of white polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL BRIDGE LLE24/40 SCREW-FIX	28001205	White	600 pc(s).	0.001 kg

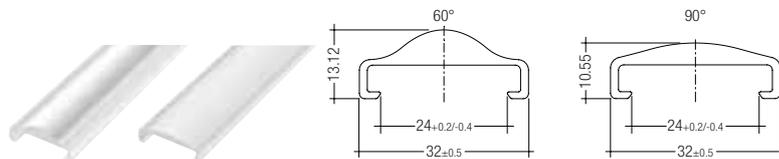
¹⁾ Minimum sales quantity 600 pcs.

²⁾ Beam characteristics will change due to the elevated fixation (see photometric files for details).

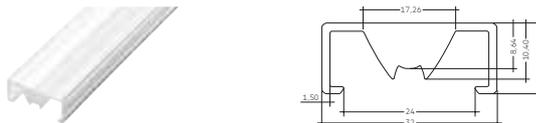
LINEAR LENS

Product description

- Linear lens for LLE 24
- Available with different beam characteristics
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Available lengths: 1,200, 1,500, 1,600 and 1,800 mm,
Tolerance: + 10 mm, at 1,600 mm
± 20 mm tolerances and ends raw
- Photometric data available on website



ACL LINEAR LENS 24mm 60° and 90°



ACL LINEAR LENS 24mm INTENSE



ACL LINEAR LENS 24mm BATWING



ACL LINEAR LENS 24mm ASY



ACL LINEAR LENS 24mm DASY

Ordering data

Type	Article number	Beam characteristic	Efficiency	Packaging, carton	Weight per pc.
ACL LINEAR LENS 24x1200mm 60°	28001428	60°	97 %	21 pc(s).	0.196 kg
ACL LINEAR LENS 24x1200mm 90°	28001429	90°	97 %	21 pc(s).	0.165 kg
ACL LINEAR LENS 24x1600mm 60°	28000953	60°	97 %	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	28000955	90°	97 %	21 pc(s).	0.221 kg
ACL LINEAR LENS 24x1200mm INTENSE	28002024	40°	95 %	18 pc(s).	0.261 kg
ACL LINEAR LENS 24x1500mm INTENSE	28002025	40°	95 %	18 pc(s).	0.326 kg
ACL LINEAR LENS 24x1800mm INTENSE	28002026	40°	95 %	18 pc(s).	0.392 kg
ACL LINEAR LENS 24x1200mm BATWING	28002027	batwing	95 %	18 pc(s).	0.275 kg
ACL LINEAR LENS 24x1500mm BATWING	28002028	batwing	95 %	18 pc(s).	0.344 kg
ACL LINEAR LENS 24x1800mm BATWING	28002029	batwing	95 %	18 pc(s).	0.412 kg
ACL LINEAR LENS 24x1200mm ASY	28002030	asymmetric	95 %	18 pc(s).	0.250 kg
ACL LINEAR LENS 24x1500mm ASY	28002031	asymmetric	95 %	18 pc(s).	0.312 kg
ACL LINEAR LENS 24x1800mm ASY	28002032	asymmetric	95 %	18 pc(s).	0.375 kg
ACL LINEAR LENS 24x1200mm DASY	28002033	double asymmetric	92 %	18 pc(s).	0.249 kg
ACL LINEAR LENS 24x1500mm DASY	28002034	double asymmetric	92 %	18 pc(s).	0.311 kg
ACL LINEAR LENS 24x1800mm DASY	28002035	double asymmetric	92 %	18 pc(s).	0.373 kg



Module LLE G4 24x1120 / 24x1400mm ADV

Module LLE ADVANCED

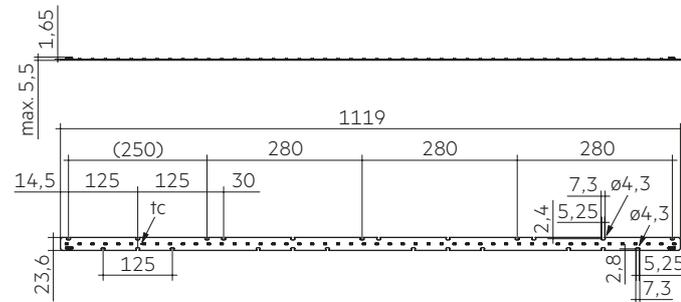
Product description

- Ideal for linear lights 4 and 5 feet
- Length available in 1,120 mm (4 feet) and 1,400 mm (5 feet)
- Typ. luminous flux 650, 1,250 and 2,000 lm
- Efficacy of the module up to 181 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ¹⁾
- Colour temperatures 3,000 and 4,000 K
- Significant saving in production time due to little wiring effort
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

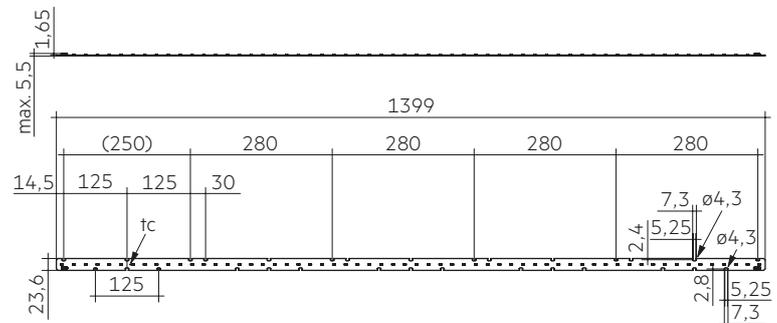
→ For product data sheet go to www.tridonic.com,
or available on request

Technical data

Beam characteristic	120°
Ambient temperature range	-25 ... +65 °C
tp rated	65 °C
tc	95 °C
Irated for 650 lm and 1250 lm per feet	325 mA
Irated for 2000 lm per feet	350 mA
Imax	540 mA
Max. permissible LF current ripple	660 mA
Max. permissible peak current	780 mA / max. 10 ms
Max. working voltage for insulation ²⁾	335 V
Insulation test voltage	1.67 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (EN 62471:2008) ³⁾	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IP00



LLE G4 24x1120mm ADV



LLE G4 24x1400mm ADV



For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
650 lm per feed				
LLE G4 24x1120mm 2600lm 830 ADV	89602968	3,000 K	20 pc(s).	0.090 kg
LLE G4 24x1120mm 2600lm 840 ADV	89602969	4,000 K	20 pc(s).	0.090 kg
LLE G4 24x1400mm 3250lm 830 ADV	89602970	3,000 K	20 pc(s).	0.110 kg
LLE G4 24x1400mm 3250lm 840 ADV	89602971	4,000 K	20 pc(s).	0.110 kg
1,250 lm per feed				
LLE G4 24x1120mm 4800lm 830 ADV	89602972	3,000 K	20 pc(s).	0.092 kg
LLE G4 24x1120mm 4800lm 840 ADV	89602973	4,000 K	20 pc(s).	0.092 kg
LLE G4 24x1400mm 6000lm 830 ADV	89602974	3,000 K	20 pc(s).	0.114 kg
LLE G4 24x1400mm 6000lm 840 ADV	89602975	4,000 K	20 pc(s).	0.114 kg
2,000 lm per feed				
LLE G4 24x1120mm 8000lm 840 ADV	89602977	4,000 K	20 pc(s).	0.095 kg
LLE G4 24x1400mm 10000lm 840 ADV	89602979	4,000 K	20 pc(s).	0.118 kg

Specific technical data

Type ²⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ⁴⁾	Typ. luminous flux at tp = 65 °C ⁴⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ⁴⁾	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI
650lm per foot – Operating mode HE at 225 mA											
LLE G4 24x1120mm 2600lm 830 ADV	830/359	1,770 lm	1,690 lm	225 mA	42.5 V	48.3 V	10.0 W	173 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x1120mm 2600lm 840 ADV	840/359	1,850 lm	1,770 lm	225 mA	42.5 V	48.3 V	10.0 W	181 lm/W	177 lm/W	163 lm/W	> 80
LLE G4 24x1400mm 3250lm 830 ADV	830/359	2,210 lm	2,110 lm	225 mA	53.1 V	60.4 V	12.5 W	173 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x1400mm 3250lm 840 ADV	840/359	2,310 lm	2,210 lm	225 mA	53.1 V	60.4 V	12.5 W	181 lm/W	177 lm/W	163 lm/W	> 80
650lm per foot – Operating mode NM at 300 mA											
LLE G4 24x1120mm 2600lm 830 ADV	830/359	2,330 lm	2,220 lm	300 mA	43.3 V	49.2 V	13.6 W	168 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x1120mm 2600lm 840 ADV	840/359	2,440 lm	2,330 lm	300 mA	43.3 V	49.2 V	13.6 W	176 lm/W	172 lm/W	158 lm/W	> 80
LLE G4 24x1400mm 3250lm 830 ADV	830/359	2,910 lm	2,780 lm	300 mA	54.2 V	61.5 V	17.0 W	168 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x1400mm 3250lm 840 ADV	840/359	3,050 lm	2,910 lm	300 mA	54.2 V	61.5 V	17.0 W	176 lm/W	172 lm/W	158 lm/W	> 80
650lm per foot – Operating mode NM at 325 mA											
LLE G4 24x1120mm 2600lm 830 ADV	830/359	2,500 lm	2,380 lm	325 mA	43.6 V	49.5 V	14.8 W	165 lm/W	161 lm/W	148 lm/W	> 80
LLE G4 24x1120mm 2600lm 840 ADV	840/359	2,610 lm	2,500 lm	325 mA	43.6 V	49.5 V	14.8 W	173 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x1400mm 3250lm 830 ADV	830/359	3,120 lm	2,980 lm	325 mA	54.5 V	61.8 V	18.5 W	165 lm/W	161 lm/W	148 lm/W	> 80
LLE G4 24x1400mm 3250lm 840 ADV	840/359	3,270 lm	3,120 lm	325 mA	54.5 V	61.8 V	18.5 W	173 lm/W	169 lm/W	155 lm/W	> 80
650lm per foot – Operating mode NM at 350 mA											
LLE G4 24x1120mm 2600lm 830 ADV	830/359	2,680 lm	2,550 lm	350 mA	43.9 V	49.7 V	16.0 W	163 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 24x1120mm 2600lm 840 ADV	840/359	2,800 lm	2,680 lm	350 mA	43.9 V	49.7 V	16.0 W	171 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 24x1400mm 3250lm 830 ADV	830/359	3,340 lm	3,190 lm	350 mA	54.8 V	62.2 V	20.0 W	163 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 24x1400mm 3250lm 840 ADV	840/359	3,500 lm	3,340 lm	350 mA	54.8 V	62.2 V	20.0 W	171 lm/W	167 lm/W	154 lm/W	> 80
650lm per foot – Operating mode HO at 400 mA											
LLE G4 24x1120mm 2600lm 830 ADV	830/359	3,020 lm	2,890 lm	400 mA	44.4 V	50.3 V	18.5 W	159 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x1120mm 2600lm 840 ADV	840/359	3,170 lm	3,020 lm	400 mA	44.4 V	50.3 V	18.5 W	167 lm/W	163 lm/W	150 lm/W	> 80
LLE G4 24x1400mm 3250lm 830 ADV	830/359	3,780 lm	3,610 lm	400 mA	55.5 V	62.8 V	23.1 W	159 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x1400mm 3250lm 840 ADV	840/359	3,960 lm	3,780 lm	400 mA	55.5 V	62.8 V	23.1 W	167 lm/W	163 lm/W	150 lm/W	> 80
650lm per foot – Operating mode HO at 500 mA											
LLE G4 24x1120mm 2600lm 830 ADV	830/359	3,690 lm	3,520 lm	500 mA	45.4 V	51.3 V	23.6 W	152 lm/W	149 lm/W	137 lm/W	> 80
LLE G4 24x1120mm 2600lm 840 ADV	840/359	3,860 lm	3,690 lm	500 mA	45.4 V	51.3 V	23.6 W	160 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x1400mm 3250lm 830 ADV	830/359	4,610 lm	4,400 lm	500 mA	56.7 V	64.1 V	29.5 W	152 lm/W	149 lm/W	137 lm/W	> 80
LLE G4 24x1400mm 3250lm 840 ADV	840/359	4,830 lm	4,610 lm	500 mA	56.7 V	64.1 V	29.5 W	160 lm/W	156 lm/W	144 lm/W	> 80
1250lm per foot – Operating mode HE at 225 mA											
LLE G4 24x1120mm 4800lm 830 ADV	830/359	3,530 lm	3,370 lm	225 mA	85.0 V	96.7 V	20.0 W	173 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x1120mm 4800lm 840 ADV	840/359	3,700 lm	3,530 lm	225 mA	85.0 V	96.7 V	20.0 W	181 lm/W	177 lm/W	163 lm/W	> 80
LLE G4 24x1400mm 6000lm 830 ADV	830/359	4,420 lm	4,220 lm	225 mA	106.2 V	120.8 V	25.0 W	173 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x1400mm 6000lm 840 ADV	840/359	4,630 lm	4,420 lm	225 mA	106.2 V	120.8 V	25.0 W	181 lm/W	177 lm/W	163 lm/W	> 80
1250lm per foot – Operating mode NM at 300 mA											
LLE G4 24x1120mm 4800lm 830 ADV	830/359	4,660 lm	4,450 lm	300 mA	86.7 V	98.4 V	27.1 W	168 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x1120mm 4800lm 840 ADV	840/359	4,880 lm	4,660 lm	300 mA	86.7 V	98.4 V	27.1 W	176 lm/W	172 lm/W	158 lm/W	> 80
LLE G4 24x1400mm 6000lm 830 ADV	830/359	5,820 lm	5,560 lm	300 mA	108.3 V	123.0 V	33.9 W	168 lm/W	164 lm/W	151 lm/W	> 80
LLE G4 24x1400mm 6000lm 840 ADV	840/359	6,100 lm	5,820 lm	300 mA	108.3 V	123.0 V	33.9 W	176 lm/W	172 lm/W	158 lm/W	> 80
1250lm per foot – Operating mode NM at 325 mA											
LLE G4 24x1120mm 4800lm 830 ADV	830/359	4,990 lm	4,760 lm	325 mA	87.2 V	98.9 V	29.6 W	165 lm/W	161 lm/W	148 lm/W	> 80
LLE G4 24x1120mm 4800lm 840 ADV	840/359	5,230 lm	4,990 lm	325 mA	87.2 V	98.9 V	29.6 W	173 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x1400mm 6000lm 830 ADV	830/359	6,240 lm	5,960 lm	325 mA	109.0 V	123.7 V	36.9 W	165 lm/W	161 lm/W	148 lm/W	> 80
LLE G4 24x1400mm 6000lm 840 ADV	840/359	6,530 lm	6,240 lm	325 mA	109.0 V	123.7 V	36.9 W	173 lm/W	169 lm/W	155 lm/W	> 80
1250lm per foot – Operating mode NM at 350 mA											
LLE G4 24x1120mm 4800lm 830 ADV	830/359	5,350 lm	5,110 lm	350 mA	87.7 V	99.5 V	32.0 W	163 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 24x1120mm 4800lm 840 ADV	840/359	5,600 lm	5,350 lm	350 mA	87.7 V	99.5 V	32.0 W	171 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 24x1400mm 6000lm 830 ADV	830/359	6,690 lm	6,390 lm	350 mA	109.6 V	124.3 V	40.0 W	163 lm/W	160 lm/W	147 lm/W	> 80
LLE G4 24x1400mm 6000lm 840 ADV	840/359	7,010 lm	6,690 lm	350 mA	109.6 V	124.3 V	40.0 W	171 lm/W	167 lm/W	154 lm/W	> 80
1250lm per foot – Operating mode HO at 400 mA											
LLE G4 24x1120mm 4800lm 830 ADV	830/359	6,040 lm	5,770 lm	400 mA	88.8 V	100.5 V	37.0 W	159 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x1120mm 4800lm 840 ADV	840/359	6,330 lm	6,050 lm	400 mA	88.8 V	100.5 V	37.0 W	167 lm/W	163 lm/W	150 lm/W	> 80
LLE G4 24x1400mm 6000lm 830 ADV	830/359	7,550 lm	7,210 lm	400 mA	111.0 V	125.7 V	46.3 W	159 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x1400mm 6000lm 840 ADV	840/359	7,910 lm	7,560 lm	400 mA	111.0 V	125.7 V	46.3 W	167 lm/W	163 lm/W	150 lm/W	> 80

¹⁾ Integral measurement over the complete module.²⁾ If mounted with M4 screws and plastic washers.³⁾ Measured at operating mode HO.⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.⁵⁾ Tolerance range for optical and electrical data: ±10 %.

Specific technical data

Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ⁴⁾	Typ. luminous flux at tp = 65 °C ⁴⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ⁴⁾	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI
1250lm per foot – Operating mode HO at 500 mA											
LLE G4 24x1120mm 4800lm 830 ADV	830/359	7,380 lm	7,040 lm	500 mA	90.8 V	102.6 V	47.3 W	152 lm/W	149 lm/W	137 lm/W	> 80
LLE G4 24x1120mm 4800lm 840 ADV	840/359	7,730 lm	7,380 lm	500 mA	90.8 V	102.6 V	47.3 W	160 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x1400mm 6000lm 830 ADV	830/359	9,220 lm	8,800 lm	500 mA	113.4 V	128.2 V	59.1 W	152 lm/W	149 lm/W	137 lm/W	> 80
LLE G4 24x1400mm 6000lm 840 ADV	840/359	9,660 lm	9,220 lm	500 mA	113.4 V	128.2 V	59.1 W	160 lm/W	156 lm/W	144 lm/W	> 80
2000lm per foot – Operating mode HE at 225 mA											
LLE G4 24x1120mm 8000lm 840 ADV	840/359	5,550 lm	5,300 lm	225 mA	127.5 V	145.0 V	29.9 W	181 lm/W	177 lm/W	163 lm/W	> 80
LLE G4 24x1400mm 10000lm 840 ADV	840/359	6,940 lm	6,630 lm	225 mA	159.4 V	181.3 V	37.4 W	181 lm/W	177 lm/W	163 lm/W	> 80
2000lm per foot – Operating mode NM at 300 mA											
LLE G4 24x1120mm 8000lm 840 ADV	840/359	7,320 lm	6,990 lm	300 mA	130.0 V	147.6 V	40.7 W	176 lm/W	172 lm/W	158 lm/W	> 80
LLE G4 24x1400mm 10000lm 840 ADV	840/359	9,150 lm	8,730 lm	300 mA	162.5 V	184.5 V	50.9 W	176 lm/W	172 lm/W	158 lm/W	> 80
2000lm per foot – Operating mode NM at 325 mA											
LLE G4 24x1120mm 8000lm 840 ADV	840/359	7,840 lm	7,490 lm	325 mA	130.8 V	148.4 V	44.3 W	173 lm/W	169 lm/W	155 lm/W	> 80
LLE G4 24x1400mm 10000lm 840 ADV	840/359	9,800 lm	9,360 lm	325 mA	163.5 V	185.5 V	55.4 W	173 lm/W	169 lm/W	155 lm/W	> 80
2000lm per foot – Operating mode NM at 350 mA											
LLE G4 24x1120mm 8000lm 840 ADV	840/359	8,410 lm	8,030 lm	350 mA	131.6 V	149.2 V	48.0 W	171 lm/W	167 lm/W	154 lm/W	> 80
LLE G4 24x1400mm 10000lm 840 ADV	840/359	10,510 lm	10,030 lm	350 mA	164.5 V	186.5 V	60.0 W	171 lm/W	167 lm/W	154 lm/W	> 80
2000lm per foot – Operating mode HO at 400 mA											
LLE G4 24x1120mm 8000lm 840 ADV	840/359	9,500 lm	9,070 lm	400 mA	133.2 V	150.8 V	55.5 W	167 lm/W	163 lm/W	150 lm/W	> 80
LLE G4 24x1400mm 10000lm 840 ADV	840/359	11,870 lm	11,330 lm	400 mA	166.4 V	188.5 V	69.4 W	167 lm/W	163 lm/W	150 lm/W	> 80
2000lm per foot – Operating mode HO at 500 mA											
LLE G4 24x1120mm 8000lm 840 ADV	840/359	11,590 lm	11,070 lm	500 mA	136.1 V	153.9 V	70.9 W	160 lm/W	156 lm/W	144 lm/W	> 80
LLE G4 24x1400mm 10000lm 840 ADV	840/359	14,490 lm	13,830 lm	500 mA	170.2 V	192.4 V	88.6 W	160 lm/W	156 lm/W	144 lm/W	> 80

¹⁾ Integral measurement over the complete module.

²⁾ If mounted with M4 screws and plastic washers.

³⁾ Measured at operating mode HO.

⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.

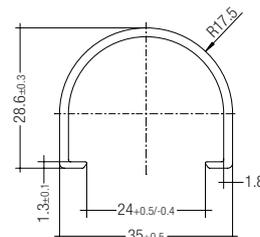
⁵⁾ Tolerance range for optical and electrical data: ±10 %.

ACCESSORIES

LINEAR COVER SY

Product description

- LINEAR COVER / ENDCAP for LLE 24
- Protection against direct touch for non-SELV applications
- Mounting COVER: Fast snap on mounting on to LLE 24 with clips or plastic washers
- Mounting ENDCAP: Fast snap on mounting (sheet thickness 0.5 – 1.0 mm), for drilling hole 4 mm
- High transmission:
 - transparent 94 %
 - semi-transparent 87 %
 - diffuse 76 %
- Linear cover made of PMMA
- Endcap made of polycarbonate
- Tolerances LINEAR COVER:
 - ± 1 mm for 597 mm length (ends finished)
 - + 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm length (ends raw)



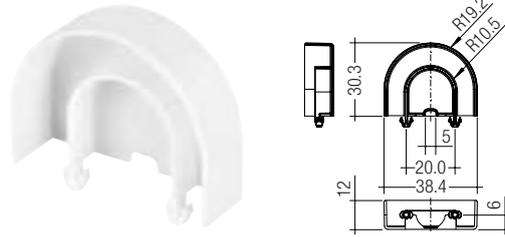
Ordering data

Type	Article number	Colour	Length	Packaging carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	28000338	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	28000437	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	28000339	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	28000435	Semi-transparent	1,500 mm	12 pc(s).	0.244 kg
LINEAR COVER SY Frosted 1200mm	28000422	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	28000340	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	28000438	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	28000341	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	28000436	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	28000434	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	28000342	Diffuse	597 mm	12 pc(s).	0.102 kg

ACL ENDCAP LLE24 PUSH-FIX

Product description

- ENDCAP for LLE 24
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm), for drilling hole 4 mm
- Made of polycarbonate



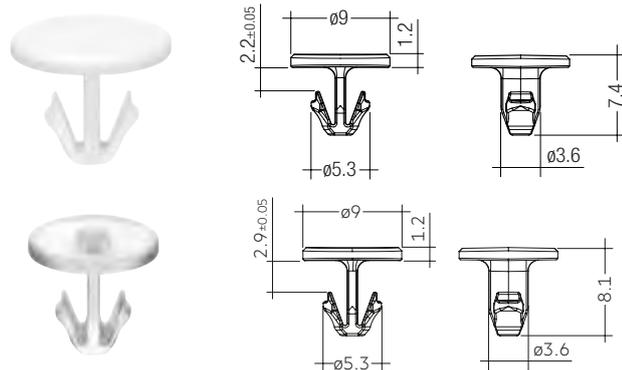
Ordering data

Type	Article number	Colour	Packaging, carton	Weight per pc.
ACL ENDCAP LLE24 PUSH-FIX	28001037	White	480 pc(s).	0.003 kg

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

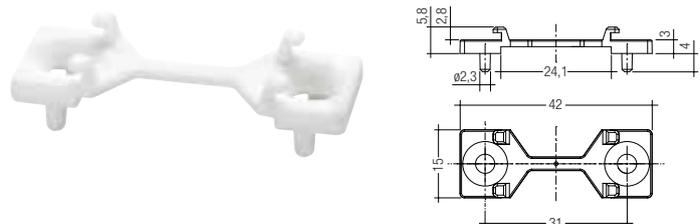
¹⁾ Minimum sales quantity 500 pcs.

RoHS

BRIDGE LLE24/40

Product description

- Enables the fixation of 24 mm wide Tridonic LED modules to fixtures made for 40 mm wide modules
- Ideal for extruded aluminium gear trays made for 40 mm modules with pre-alignment knobs
- Clip-on for LINEAR COVER and LINEAR LENS²⁾
- For LLE 24 with 280 mm module minimum 2 bridges required
- For LLE 24 with 560 mm module minimum 3 bridges required
- Fixation via M3 or M4 countersunk screw, max. tightening torque 0.5 Nm
- BRIDGE made of white polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL BRIDGE LLE24/40 SCREW-FIX	28001205	White	600 pc(s).	0.001 kg

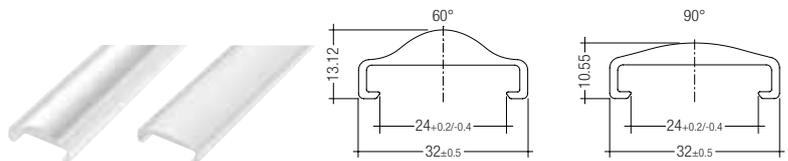
¹⁾ Minimum sales quantity 600 pcs.

²⁾ Beam characteristics will change due to the elevated fixation (see photometric files for details).

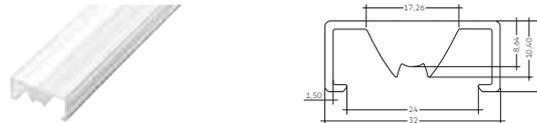
LINEAR LENS

Product description

- Linear lens for LLE 24
- Available with different beam characteristics
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Available lengths: 1,200, 1,500, 1,600 and 1,800 mm,
Tolerance: + 10 mm, at 1,600 mm
± 20 mm tolerances and ends raw
- Photometric data available on website



ACL LINEAR LENS 24mm 60° and 90°



ACL LINEAR LENS 24mm INTENSE



ACL LINEAR LENS 24mm BATWING



ACL LINEAR LENS 24mm ASY



ACL LINEAR LENS 24mm DASY

Ordering data

Type	Article number	Beam characteristic	Efficiency	Packaging, carton	Weight per pc.
ACL LINEAR LENS 24x1200mm 60°	28001428	60°	97 %	21 pc(s).	0.196 kg
ACL LINEAR LENS 24x1200mm 90°	28001429	90°	97 %	21 pc(s).	0.165 kg
ACL LINEAR LENS 24x1600mm 60°	28000953	60°	97 %	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	28000955	90°	97 %	21 pc(s).	0.221 kg
ACL LINEAR LENS 24x1200mm INTENSE	28002024	40°	95 %	18 pc(s).	0.261 kg
ACL LINEAR LENS 24x1500mm INTENSE	28002025	40°	95 %	18 pc(s).	0.326 kg
ACL LINEAR LENS 24x1800mm INTENSE	28002026	40°	95 %	18 pc(s).	0.392 kg
ACL LINEAR LENS 24x1200mm BATWING	28002027	batwing	95 %	18 pc(s).	0.275 kg
ACL LINEAR LENS 24x1500mm BATWING	28002028	batwing	95 %	18 pc(s).	0.344 kg
ACL LINEAR LENS 24x1800mm BATWING	28002029	batwing	95 %	18 pc(s).	0.412 kg
ACL LINEAR LENS 24x1200mm ASY	28002030	asymmetric	95 %	18 pc(s).	0.250 kg
ACL LINEAR LENS 24x1500mm ASY	28002031	asymmetric	95 %	18 pc(s).	0.312 kg
ACL LINEAR LENS 24x1800mm ASY	28002032	asymmetric	95 %	18 pc(s).	0.375 kg
ACL LINEAR LENS 24x1200mm DASY	28002033	double asymmetric	92 %	18 pc(s).	0.249 kg
ACL LINEAR LENS 24x1500mm DASY	28002034	double asymmetric	92 %	18 pc(s).	0.311 kg
ACL LINEAR LENS 24x1800mm DASY	28002035	double asymmetric	92 %	18 pc(s).	0.373 kg



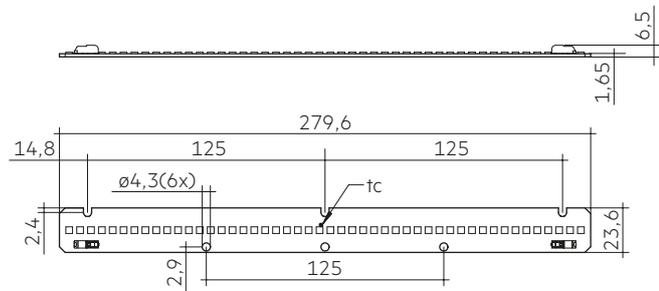
NEW

Module LLE G2 24mm 2000lm ADV IND

Module LLE ADVANCED

Product description

- Ideal for linear and panel lights in industrial applications
 - Reliable, high lifetime solution and extended temperature range in combination with the INDUSTRY control gears
 - Luminous flux range from 1,720 – 2,990 lm
 - LED system solution with outstanding system efficacy up to 160 lm/W
 - Efficacy of the module up to 179 lm/W
 - High colour rendering index CRI > 80
 - Small colour tolerance MacAdam 3³⁾
 - Colour temperatures 4,000 and 6,500 K
 - Perfectly uniform light, even if several LED modules are used together in a line
 - Push terminals for simple wiring
 - Broad portfolio from extruded lenses and covers available
 - Simple installation (e.g. clips or screws)
 - Long life-time
 - 8-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Beam characteristic	130°
Ambient temperature range	-30 ... +50 °C
tp rated	65 °C
tc	85 °C
Irated	350 mA
I _{max}	550 mA
Max. permissible LF current ripple	720 mA
Max. permissible peak current	960 mA / max. 10 μs
Max. working voltage for insulation ²⁾	300 V
Insulation test voltage	1.6 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (EN 62471:2008)	RGO
Classification acc. to IEC 62031	Built-in
Type of protection	IP00



For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
LLE G2 24x280mm 2000lm 840 ADV IND	89603038	4,000 K	210 pc(s).	0.022 kg
LLE G2 24x280mm 2000lm 865 ADV IND	89603039	6,500 K	210 pc(s).	0.022 kg

Specific technical data

Type ⁴⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ¹⁾	Typ. luminous flux at tp = 65 °C ¹⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ¹⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C	Efficacy of the system at tp = 65 °C	Colour rendering index CRI
Operating mode HE											
LLE G2 24x280mm 2000lm 840 ADV IND	840/359	1,830 lm	1,720 lm	300 mA	33.2 V	49.5 V	10.2 W	175 lm/W	169 lm/W	155 lm/W	> 80
LLE G2 24x280mm 2000lm 865 ADV IND	865/359	1,870 lm	1,770 lm	300 mA	33.2 V	49.5 V	10.2 W	179 lm/W	174 lm/W	160 lm/W	> 80
Operating mode NM											
LLE G2 24x280mm 2000lm 840 ADV IND	840/359	2,100 lm	1,980 lm	350 mA	33.7 V	36.1 V	12.0 W	170 lm/W	164 lm/W	151 lm/W	> 80
LLE G2 24x280mm 2000lm 865 ADV IND	865/359	2,150 lm	2,040 lm	350 mA	33.7 V	36.1 V	12.0 W	174 lm/W	169 lm/W	155 lm/W	> 80
Operating mode HO											
LLE G2 24x280mm 2000lm 840 ADV IND	840/359	2,930 lm	2,750 lm	500 mA	35.8 V	39.2 V	18.3 W	158 lm/W	153 lm/W	141 lm/W	> 80
LLE G2 24x280mm 2000lm 865 ADV IND	865/359	2,990 lm	2,830 lm	500 mA	35.8 V	39.2 V	18.3 W	162 lm/W	157 lm/W	144 lm/W	> 80

¹⁾ Tolerance range for optical and electrical data: $\pm 10\%$.

²⁾ If mounted with M4 screws and plastic washers.

³⁾ Integral measurement over the complete module.

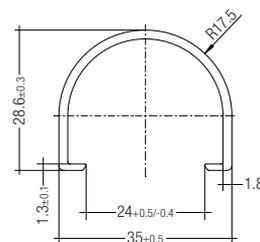
⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.

ACCESSORIES

LINEAR COVER SY

Product description

- LINEAR COVER for LLE 24
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- High transmission:
 - transparent 94 %
 - semi-transparent 87 %
 - diffuse 76 %
- Made of PMMA
- Tolerances: ± 1 mm for 597 mm length (ends finished),
+ 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm length (ends raw)



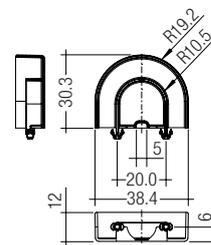
Ordering data

Type	Article number	Colour	Length	Packaging, carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	28000338	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	28000437	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	28000339	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	28000435	Semi-transparent	1,500 mm	12 pc(s).	0.244 kg
LINEAR COVER SY Frosted 1200mm	28000422	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	28000340	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	28000438	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	28000341	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	28000436	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	28000434	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	28000342	Diffuse	597 mm	12 pc(s).	0.102 kg

ACL ENDCAP LLE24 PUSH-FIX

Product description

- ENDCAP for LLE 24
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm), for drilling hole 4 mm
- Made of polycarbonate



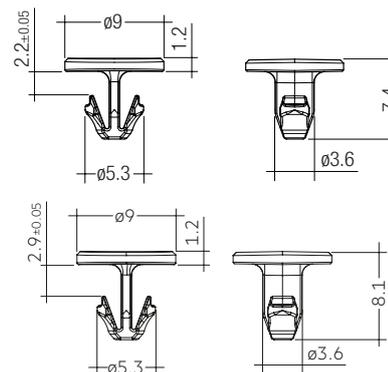
Ordering data

Type	Article number	Colour	Packaging, carton	Weight per pc.
ACL ENDCAP LLE24 PUSH-FIX	28001037	White	480 pc(s).	0.003 kg

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

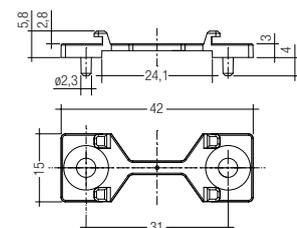
¹⁾ Minimum sales quantity 500 pcs.

RoHS

BRIDGE LLE24/40

Product description

- Enables the fixation of 24 mm wide Tridonic LED modules to fixtures made for 40 mm wide modules
- Ideal for extruded aluminium gear trays made for 40 mm modules with pre-alignment knobs
- Clip-on for LINEAR COVER and LINEAR LENS²⁾
- For LLE 24 with 280 mm module minimum 2 bridges required
- For LLE 24 with 560 mm module minimum 3 bridges required
- Fixation via M3 or M4 countersunk screw, max. tightening torque 0.5 Nm
- BRIDGE made of white polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL BRIDGE LLE24/40 SCREW-FIX	28001205	White	600 pc(s).	0.001 kg

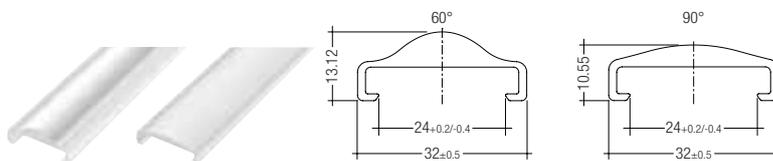
¹⁾ Minimum sales quantity 600 pcs.

²⁾ Beam characteristics will change due to the elevated fixation (see photometric files for details).

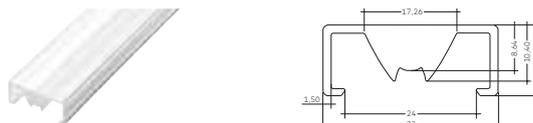
LINEAR LENS

Product description

- Linear lens for LLE 24
- Available with different beam characteristics
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Available lengths: 1,200, 1,500, 1,600 and 1,800 mm,
Tolerance: + 10 mm, at 1,600 mm
± 20 mm tolerances and ends raw
- Photometric data available on website



ACL LINEAR LENS 24mm 60° and 90°



ACL LINEAR LENS 24mm INTENSE



ACL LINEAR LENS 24mm BATWING



ACL LINEAR LENS 24mm ASY



ACL LINEAR LENS 24mm DASY

Ordering data

Type	Article number	Beam characteristic	Efficiency	Packaging, carton	Weight per pc.
ACL LINEAR LENS 24x1200mm 60°	28001428	60°	97 %	21 pc(s).	0.196 kg
ACL LINEAR LENS 24x1200mm 90°	28001429	90°	97 %	21 pc(s).	0.165 kg
ACL LINEAR LENS 24x1600mm 60°	28000953	60°	97 %	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	28000955	90°	97 %	21 pc(s).	0.221 kg
ACL LINEAR LENS 24x1200mm INTENSE	28002024	40°	95 %	18 pc(s).	0.261 kg
ACL LINEAR LENS 24x1500mm INTENSE	28002025	40°	95 %	18 pc(s).	0.326 kg
ACL LINEAR LENS 24x1800mm INTENSE	28002026	40°	95 %	18 pc(s).	0.392 kg
ACL LINEAR LENS 24x1200mm BATWING	28002027	batwing	95 %	18 pc(s).	0.275 kg
ACL LINEAR LENS 24x1500mm BATWING	28002028	batwing	95 %	18 pc(s).	0.344 kg
ACL LINEAR LENS 24x1800mm BATWING	28002029	batwing	95 %	18 pc(s).	0.412 kg
ACL LINEAR LENS 24x1200mm ASY	28002030	asymmetric	95 %	18 pc(s).	0.250 kg
ACL LINEAR LENS 24x1500mm ASY	28002031	asymmetric	95 %	18 pc(s).	0.312 kg
ACL LINEAR LENS 24x1800mm ASY	28002032	asymmetric	95 %	18 pc(s).	0.375 kg
ACL LINEAR LENS 24x1200mm DASY	28002033	double asymmetric	92 %	18 pc(s).	0.249 kg
ACL LINEAR LENS 24x1500mm DASY	28002034	double asymmetric	92 %	18 pc(s).	0.311 kg
ACL LINEAR LENS 24x1800mm DASY	28002035	double asymmetric	92 %	18 pc(s).	0.373 kg

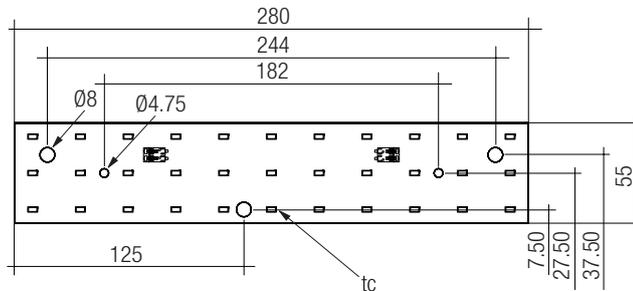


Module LLE G2 55mm 2000lm ADV

Module LLE ADVANCED

Product description

- Ideal for linear and panel lights
 - LED system solution with outstanding system efficiency up to 165 lm/W, consisting of linear LED modules and dimmable LED Driver LCA 50W 100–400mA one4all Ip PRE
 - Efficiency of the module up to 186 lm/W
 - Outstanding colour rendering index CRI > 80
 - Small colour tolerance MacAdam 3rd
 - Small luminous flux tolerances
 - Colour temperature 3,000, 4,000, 5,000 and 6,500 K
 - Perfectly uniform light, even if several LED modules are used together in a line
 - Push terminals for quick and simple wiring of LED module to LED module
 - Simple installation (e.g. screws)
 - Long life-time: 50,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Beam characteristic	120°
Ambient temperature range	-40 ... +65 °C
tp rated	65 °C
tc	85 °C
I _{rated}	400 mA
I _{max}	500 mA
Max. DC forward current	500 mA
Max. permissible LF current ripple	660 mA
Max. permissible peak current	780 mA / max. 10 ms
Max. working voltage for insulation ²⁾	500 V
Insulation test voltage	2 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (IEC 62471:2008) ³⁾	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
LLE G2 55x280mm 2000lm 830 ADV	28001749	3,000 K	320 pc(s).	0.070 kg
LLE G2 55x280mm 2000lm 840 ADV	28001750	4,000 K	320 pc(s).	0.070 kg
LLE G2 55x280mm 2000lm 850 ADV	28001751	5,000 K	320 pc(s).	0.070 kg
LLE G2 55x280mm 2000lm 865 ADV	28001752	6,500 K	320 pc(s).	0.070 kg



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

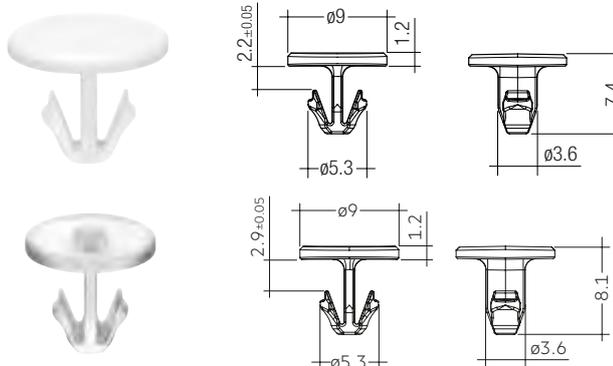
Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ²⁾	Typ. luminous flux at tp = 65 °C ²⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ³⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C	Efficacy of the system at tp = 65 °C	Colour rendering index CRI
LLE G2 55x280mm 2000lm ADV – Operating mode HE at 225 mA											
LLE G2 55x280mm 2000lm 830 ADV	830/359	1,220 lm	1,160 lm	225 mA	28.4 V	32.9 V	6.8 W	174 lm/W	169 lm/W	155 lm/W	> 80
LLE G2 55x280mm 2000lm 840 ADV	840/359	1,280 lm	1,210 lm	225 mA	28.4 V	32.9 V	6.8 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G2 55x280mm 2000lm 850 ADV	850/359	1,300 lm	1,230 lm	225 mA	28.4 V	32.9 V	6.8 W	186 lm/W	179 lm/W	165 lm/W	> 80
LLE G2 55x280mm 2000lm 865 ADV	865/359	1,280 lm	1,210 lm	225 mA	28.4 V	32.9 V	6.8 W	184 lm/W	176 lm/W	162 lm/W	> 80
LLE G2 55x280mm 2000lm ADV – Operating mode HE at 275 mA											
LLE G2 55x280mm 2000lm 830 ADV	830/359	1,480 lm	1,400 lm	275 mA	28.8 V	33.3 V	8.5 W	171 lm/W	165 lm/W	152 lm/W	> 80
LLE G2 55x280mm 2000lm 840 ADV	840/359	1,540 lm	1,470 lm	275 mA	28.8 V	33.3 V	8.5 W	179 lm/W	172 lm/W	158 lm/W	> 80
LLE G2 55x280mm 2000lm 850 ADV	850/359	1,580 lm	1,490 lm	275 mA	28.8 V	33.3 V	8.5 W	183 lm/W	175 lm/W	161 lm/W	> 80
LLE G2 55x280mm 2000lm 865 ADV	865/359	1,550 lm	1,470 lm	275 mA	28.8 V	33.3 V	8.5 W	180 lm/W	173 lm/W	159 lm/W	> 80
LLE G2 55x280mm 2000lm ADV – Operating mode NM at 300 mA											
LLE G2 55x280mm 2000lm 830 ADV	830/359	1,600 lm	1,530 lm	300 mA	29.0 V	33.5 V	9.3 W	170 lm/W	164 lm/W	151 lm/W	> 80
LLE G2 55x280mm 2000lm 840 ADV	840/359	1,680 lm	1,590 lm	300 mA	29.0 V	33.5 V	9.3 W	178 lm/W	171 lm/W	157 lm/W	> 80
LLE G2 55x280mm 2000lm 850 ADV	850/359	1,710 lm	1,620 lm	300 mA	29.0 V	33.5 V	9.3 W	181 lm/W	174 lm/W	160 lm/W	> 80
LLE G2 55x280mm 2000lm 865 ADV	865/359	1,670 lm	1,590 lm	300 mA	29.0 V	33.5 V	9.3 W	179 lm/W	171 lm/W	157 lm/W	> 80
LLE G2 55x280mm 2000lm ADV – Operating mode NM at 325 mA											
LLE G2 55x280mm 2000lm 830 ADV	830/359	1,720 lm	1,640 lm	325 mA	29.2 V	33.7 V	10.1 W	167 lm/W	162 lm/W	149 lm/W	> 80
LLE G2 55x280mm 2000lm 840 ADV	840/359	1,810 lm	1,720 lm	325 mA	29.2 V	33.7 V	10.1 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G2 55x280mm 2000lm 850 ADV	850/359	1,840 lm	1,740 lm	325 mA	29.2 V	33.7 V	10.1 W	178 lm/W	172 lm/W	158 lm/W	> 80
LLE G2 55x280mm 2000lm 865 ADV	865/359	1,820 lm	1,720 lm	325 mA	29.2 V	33.7 V	10.1 W	177 lm/W	170 lm/W	156 lm/W	> 80
LLE G2 55x280mm 2000lm ADV – Operating mode NM at 350 mA											
LLE G2 55x280mm 2000lm 830 ADV	830/359	1,850 lm	1,760 lm	350 mA	29.4 V	33.9 V	11.0 W	166 lm/W	160 lm/W	147 lm/W	> 80
LLE G2 55x280mm 2000lm 840 ADV	840/359	1,940 lm	1,840 lm	350 mA	29.4 V	33.9 V	11.0 W	174 lm/W	167 lm/W	154 lm/W	> 80
LLE G2 55x280mm 2000lm 850 ADV	850/359	1,970 lm	1,870 lm	350 mA	29.4 V	33.9 V	11.0 W	177 lm/W	170 lm/W	156 lm/W	> 80
LLE G2 55x280mm 2000lm 865 ADV	865/359	1,950 lm	1,840 lm	350 mA	29.4 V	33.9 V	11.0 W	175 lm/W	167 lm/W	154 lm/W	> 80
LLE G2 55x280mm 2000lm ADV – Operating mode HO at 400 mA											
LLE G2 55x280mm 2000lm 830 ADV	830/359	2,060 lm	1,960 lm	400 mA	29.7 V	34.2 V	12.7 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G2 55x280mm 2000lm 840 ADV	840/359	2,170 lm	2,060 lm	400 mA	29.7 V	34.2 V	12.7 W	168 lm/W	162 lm/W	149 lm/W	> 80
LLE G2 55x280mm 2000lm 850 ADV	850/359	2,200 lm	2,080 lm	400 mA	29.7 V	34.2 V	12.7 W	171 lm/W	164 lm/W	151 lm/W	> 80
LLE G2 55x280mm 2000lm 865 ADV	865/359	2,190 lm	2,060 lm	400 mA	29.7 V	34.2 V	12.7 W	170 lm/W	162 lm/W	149 lm/W	> 80
LLE G2 55x280mm 2000lm ADV – Operating mode HO at 450 mA											
LLE G2 55x280mm 2000lm 830 ADV	830/359	2,300 lm	2,190 lm	450 mA	30.0 V	34.6 V	14.4 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G2 55x280mm 2000lm 840 ADV	840/359	2,400 lm	2,280 lm	450 mA	30.0 V	34.6 V	14.4 W	165 lm/W	160 lm/W	147 lm/W	> 80
LLE G2 55x280mm 2000lm 850 ADV	850/359	2,450 lm	2,320 lm	450 mA	30.0 V	34.6 V	14.4 W	168 lm/W	161 lm/W	148 lm/W	> 80
LLE G2 55x280mm 2000lm 865 ADV	865/359	2,420 lm	2,280 lm	450 mA	30.0 V	34.6 V	14.4 W	165 lm/W	158 lm/W	145 lm/W	> 80
LLE G2 55x280mm 2000lm ADV – Operating mode HO at 500 mA											
LLE G2 55x280mm 2000lm 830 ADV	830/359	2,500 lm	2,380 lm	500 mA	30.4 V	34.9 V	16.2 W	152 lm/W	147 lm/W	135 lm/W	> 80
LLE G2 55x280mm 2000lm 840 ADV	840/359	2,620 lm	2,490 lm	500 mA	30.4 V	34.9 V	16.2 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G2 55x280mm 2000lm 850 ADV	850/359	2,670 lm	2,530 lm	500 mA	30.4 V	34.9 V	16.2 W	163 lm/W	156 lm/W	144 lm/W	> 80
LLE G2 55x280mm 2000lm 865 ADV	865/359	2,630 lm	2,490 lm	500 mA	30.4 V	34.9 V	16.2 W	161 lm/W	154 lm/W	142 lm/W	> 80

¹⁾ Integral measurement over the complete module.²⁾ If mounted with M4 screws with 7 mm head diameter.³⁾ Measured at operating mode HO.⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.⁵⁾ Tolerance range for optical and electrical data: ±10 %.

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

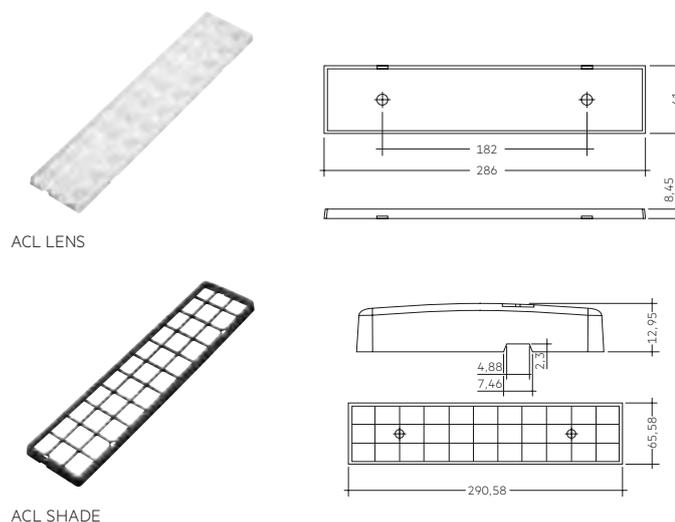
Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

¹⁾ Minimum sales quantity 500 pcs.

ACL LENS 55x280mm

Product description

- ACL LENS for LLE 55x280mm
- Available with different beam characteristics
- For SELV applications only
- Easy mounting with M4 screws
- ACL SHADE to reduce UGR
- ACL LENS made of PMMA, ACL SHADE made of ABS
- aPhotometric data available on website



Ordering data

Type	Article number	Beam characteristic	Efficiency	Packaging, carton	Weight per pc.
ACL LENS 55x280mm 60°	28002206	60°	91 %	72 pc(s).	0.088 kg
ACL LENS 55x280mm 90°	28002207	90°	90 %	72 pc(s).	0.092 kg
ACL LENS 55x280mm 90x45°	28002208	90x45°	90 %	72 pc(s).	0.091 kg
ACL LENS 55x280mm DA25°	28002209	double asymmetric 25°	94 %	60 pc(s).	0.072 kg
ACL LENS 55x280mm A20°	28002210	asymmetric 20°	93 %	60 pc(s).	0.058 kg
ACL SHADE 55x280mm UGR	28002211	UGR improving	-	60 pc(s).	0.027 kg

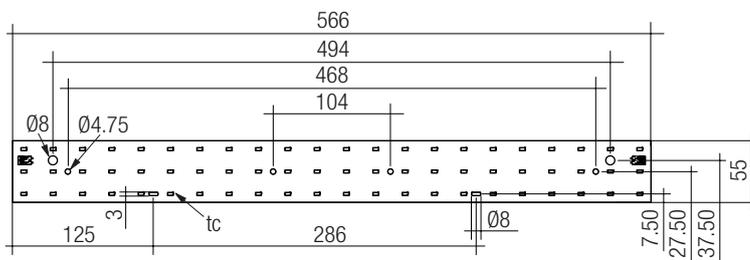


Module LLE G2 55mm 4000lm ADV

Module LLE ADVANCED

Product description

- Ideal for linear and panel lights
 - LED system solution with outstanding system efficiency up to 165 lm/W, consisting of linear LED modules and dimmable LED Driver LCA 50W 100–400mA one4all Ip PRE
 - Efficiency of the module up to 186 lm/W
 - Outstanding colour rendering index CRI > 80
 - Small colour tolerance MacAdam 3³⁾
 - Small luminous flux tolerances
 - Colour temperature 3,000, 4,000, 5,000 and 6,500 K
 - Perfectly uniform light, even if several LED modules are used together in a line
 - Push terminals for quick and simple wiring of LED module to LED module
 - Simple installation (e.g. screws)
 - Long life-time: 50,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Beam characteristic	120°
Ambient temperature range	-40 ... +65 °C
tp rated	65 °C
tc	85 °C
I _{rated}	800 mA
I _{max}	1,000 mA
Max. DC forward current	1,200 mA
Max. permissible LF current ripple	1,320 mA
Max. permissible peak current	1,560 mA / max. 10 ms
Max. working voltage for insulation ²⁾	500 V
Insulation test voltage	2 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (IEC 62471:2008) ³⁾	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
LLE G2 55x566mm 4000lm 830 T2 ADV	28001754	3,000 K	160 pc(s).	0.096 kg
LLE G2 55x566mm 4000lm 840 T2 ADV	28001755	4,000 K	160 pc(s).	0.150 kg
LLE G2 55x566mm 4000lm 850 T2 ADV	28001756	5,000 K	160 pc(s).	0.150 kg
LLE G2 55x566mm 4000lm 865 T2 ADV	28001757	6,500 K	160 pc(s).	0.150 kg



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ²⁾	Typ. luminous flux at tp = 65 °C ³⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ⁵⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C	Efficacy of the system at tp = 65 °C	Colour rendering index CRI
LLE G2 55x566mm 4000lm ADV – Operating mode HE at 450 mA											
LLE G2 55x566mm 4000lm 830 ADV	830/359	2,430 lm	2,320 lm	450 mA	28.4 V	32.9 V	13.7 W	174 lm/W	169 lm/W	155 lm/W	> 80
LLE G2 55x566mm 4000lm 840 ADV	840/359	2,550 lm	2,420 lm	450 mA	28.4 V	32.9 V	13.7 W	183 lm/W	176 lm/W	162 lm/W	> 80
LLE G2 55x566mm 4000lm 850 ADV	850/359	2,600 lm	2,460 lm	450 mA	28.4 V	32.9 V	13.7 W	186 lm/W	179 lm/W	165 lm/W	> 80
LLE G2 55x566mm 4000lm 865 ADV	865/359	2,560 lm	2,420 lm	450 mA	28.4 V	32.9 V	13.7 W	184 lm/W	176 lm/W	162 lm/W	> 80
LLE G2 55x566mm 4000lm ADV – Operating mode HE at 550 mA											
LLE G2 55x566mm 4000lm 830 ADV	830/359	2,950 lm	2,810 lm	550 mA	28.8 V	33.3 V	17.1 W	171 lm/W	165 lm/W	152 lm/W	> 80
LLE G2 55x566mm 4000lm 840 ADV	840/359	3,090 lm	2,930 lm	550 mA	28.8 V	33.3 V	17.1 W	179 lm/W	172 lm/W	158 lm/W	> 80
LLE G2 55x566mm 4000lm 850 ADV	850/359	3,150 lm	2,980 lm	550 mA	28.8 V	33.3 V	17.1 W	183 lm/W	175 lm/W	161 lm/W	> 80
LLE G2 55x566mm 4000lm 865 ADV	865/359	3,110 lm	2,940 lm	550 mA	28.8 V	33.3 V	17.1 W	180 lm/W	173 lm/W	159 lm/W	> 80
LLE G2 55x566mm 4000lm ADV – Operating mode NM at 600 mA											
LLE G2 55x566mm 4000lm 830 ADV	830/359	3,200 lm	3,050 lm	600 mA	29.0 V	33.5 V	18.6 W	170 lm/W	164 lm/W	151 lm/W	> 80
LLE G2 55x566mm 4000lm 840 ADV	840/359	3,350 lm	3,190 lm	600 mA	29.0 V	33.5 V	18.6 W	178 lm/W	171 lm/W	157 lm/W	> 80
LLE G2 55x566mm 4000lm 850 ADV	850/359	3,420 lm	3,240 lm	600 mA	29.0 V	33.5 V	18.6 W	181 lm/W	174 lm/W	160 lm/W	> 80
LLE G2 55x566mm 4000lm 865 ADV	865/359	3,370 lm	3,190 lm	600 mA	29.0 V	33.5 V	18.6 W	179 lm/W	171 lm/W	157 lm/W	> 80
LLE G2 55x566mm 4000lm ADV – Operating mode NM at 650 mA											
LLE G2 55x566mm 4000lm 830 ADV	830/359	3,440 lm	3,270 lm	650 mA	29.2 V	33.7 V	20.1 W	167 lm/W	162 lm/W	149 lm/W	> 80
LLE G2 55x566mm 4000lm 840 ADV	840/359	3,620 lm	3,440 lm	650 mA	29.2 V	33.7 V	20.1 W	176 lm/W	170 lm/W	156 lm/W	> 80
LLE G2 55x566mm 4000lm 850 ADV	850/359	3,670 lm	3,480 lm	650 mA	29.2 V	33.7 V	20.1 W	178 lm/W	172 lm/W	158 lm/W	> 80
LLE G2 55x566mm 4000lm 865 ADV	865/359	3,640 lm	3,440 lm	650 mA	29.2 V	33.7 V	20.1 W	177 lm/W	170 lm/W	156 lm/W	> 80
LLE G2 55x566mm 4000lm ADV – Operating mode NM at 700 mA											
LLE G2 55x566mm 4000lm 830 ADV	830/359	3,700 lm	3,520 lm	700 mA	29.4 V	33.9 V	21.9 W	166 lm/W	160 lm/W	147 lm/W	> 80
LLE G2 55x566mm 4000lm 840 ADV	840/359	3,870 lm	3,670 lm	700 mA	29.4 V	33.9 V	21.9 W	174 lm/W	167 lm/W	154 lm/W	> 80
LLE G2 55x566mm 4000lm 850 ADV	850/359	3,950 lm	3,740 lm	700 mA	29.4 V	33.9 V	21.9 W	177 lm/W	170 lm/W	156 lm/W	> 80
LLE G2 55x566mm 4000lm 865 ADV	865/359	3,890 lm	3,680 lm	700 mA	29.4 V	33.9 V	21.9 W	175 lm/W	167 lm/W	154 lm/W	> 80
LLE G2 55x566mm 4000lm ADV – Operating mode HO at 800 mA											
LLE G2 55x566mm 4000lm 830 ADV	830/359	4,130 lm	3,920 lm	800 mA	29.7 V	34.2 V	25.4 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G2 55x566mm 4000lm 840 ADV	840/359	4,340 lm	4,110 lm	800 mA	29.7 V	34.2 V	25.4 W	168 lm/W	162 lm/W	149 lm/W	> 80
LLE G2 55x566mm 4000lm 850 ADV	850/359	4,410 lm	4,160 lm	800 mA	29.7 V	34.2 V	25.4 W	171 lm/W	164 lm/W	151 lm/W	> 80
LLE G2 55x566mm 4000lm 865 ADV	865/359	4,370 lm	4,120 lm	800 mA	29.7 V	34.2 V	25.4 W	170 lm/W	162 lm/W	149 lm/W	> 80
LLE G2 55x566mm 4000lm ADV – Operating mode HO at 900 mA											
LLE G2 55x566mm 4000lm 830 ADV	830/359	4,590 lm	4,370 lm	900 mA	30.0 V	34.6 V	28.8 W	157 lm/W	152 lm/W	140 lm/W	> 80
LLE G2 55x566mm 4000lm 840 ADV	840/359	4,810 lm	4,570 lm	900 mA	30.0 V	34.6 V	28.8 W	165 lm/W	160 lm/W	147 lm/W	> 80
LLE G2 55x566mm 4000lm 850 ADV	850/359	4,900 lm	4,640 lm	900 mA	30.0 V	34.6 V	28.8 W	168 lm/W	161 lm/W	148 lm/W	> 80
LLE G2 55x566mm 4000lm 865 ADV	865/359	4,830 lm	4,570 lm	900 mA	30.0 V	34.6 V	28.8 W	165 lm/W	158 lm/W	145 lm/W	> 80
LLE G2 55x566mm 4000lm ADV – Operating mode HO at 1,000 mA											
LLE G2 55x566mm 4000lm 830 ADV	830/359	5,000 lm	4,770 lm	1,000 mA	30.4 V	34.9 V	32.4 W	152 lm/W	147 lm/W	135 lm/W	> 80
LLE G2 55x566mm 4000lm 840 ADV	840/359	5,240 lm	4,980 lm	1,000 mA	30.4 V	34.9 V	32.4 W	160 lm/W	154 lm/W	142 lm/W	> 80
LLE G2 55x566mm 4000lm 850 ADV	850/359	5,340 lm	5,060 lm	1,000 mA	30.4 V	34.9 V	32.4 W	163 lm/W	156 lm/W	144 lm/W	> 80
LLE G2 55x566mm 4000lm 865 ADV	865/359	5,270 lm	4,980 lm	1,000 mA	30.4 V	34.9 V	32.4 W	161 lm/W	154 lm/W	142 lm/W	> 80

¹⁾ Integral measurement over the complete module.

²⁾ If mounted with M4 screws with 7 mm head diameter.

³⁾ Measured at operating mode HO.

⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.

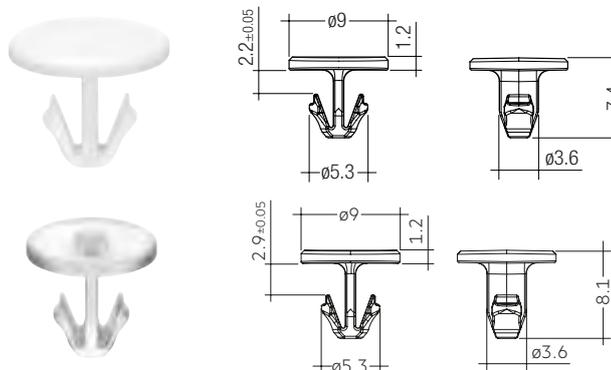
⁵⁾ Tolerance range for optical and electrical data: ±10 %.

ACCESSORIES

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

¹⁾ Minimum sales quantity 500 pcs.

ACCESSORIES

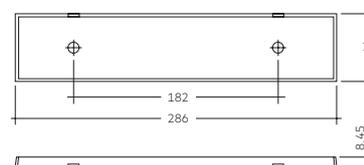
ACL LENS 55x280mm

Product description

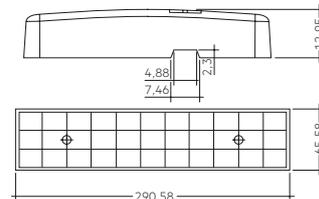
- ACL LENS for LLE 55x280mm
- Available with different beam characteristics
- For SELV applications only
- Easy mounting with M4 screws
- ACL SHADE to reduce UGR
- ACL LENS made of PMMA, ACL SHADE made of ABS
- aPhotometric data available on website



ACL LENS



ACL SHADE



Ordering data

Type	Article number	Beam characteristic	Efficiency	Packaging, carton	Weight per pc.
ACL LENS 55x280mm 60°	28002206	60°	91 %	72 pc(s).	0.088 kg
ACL LENS 55x280mm 90°	28002207	90°	90 %	72 pc(s).	0.092 kg
ACL LENS 55x280mm 90x45°	28002208	90x45°	90 %	72 pc(s).	0.091 kg
ACL LENS 55x280mm DA25°	28002209	double asymmetric 25°	94 %	60 pc(s).	0.072 kg
ACL LENS 55x280mm A20°	28002210	asymmetric 20°	93 %	60 pc(s).	0.058 kg
ACL SHADE 55x280mm UGR	28002211	UGR improving	-	60 pc(s).	0.027 kg



Module LLE G2 24mm 775lm SNC

Module LLE ESSENCE

Product description

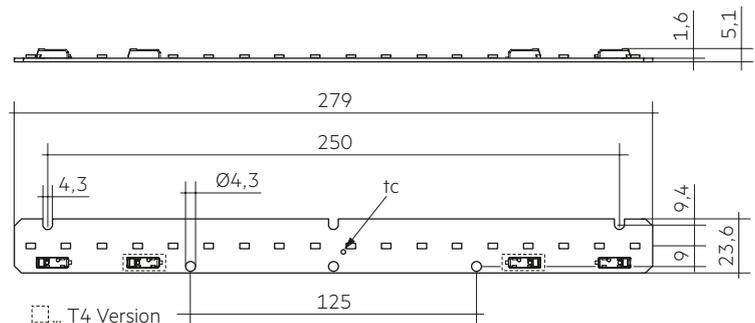
- Optimal solution for linear and panel lights where cost is main priority, together with the new LC Ip SNC and ADV LED Driver provides best system efficiency
 - SELV module – the single module has a forward voltage < 60 V
 - Terminals – 2 variants:
2 terminals for serial wiring
4 terminals for parallel, serial or robot wiring
 - Typ. luminous flux 775 and 1,500 lm
 - Efficiency of the module up to 170 lm/W
 - High colour rendering index CRI > 80
 - Small colour tolerance MacAdam 4th
 - Colour temperatures 3,000, 4,000 and 6,500 K
 - Module dimension 24 x 280 mm and 24 x 560 mm (ZHAGA compliant)
 - Perfectly uniform light, even if several LED modules are used together in a line
 - Push terminals for quick and simple wiring of LED module to LED module
 - Simple installation (e.g. ACL push fix)
 - Long life-time up to 50,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



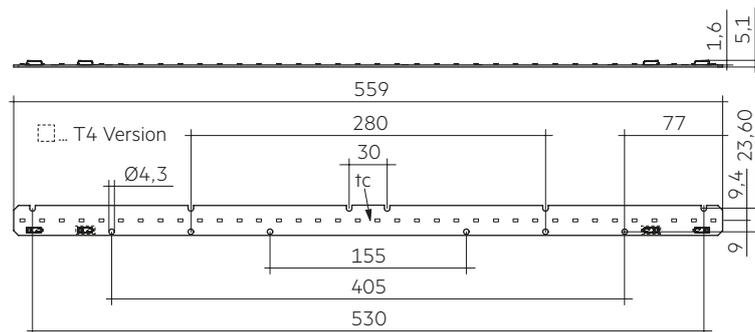
LLE G2 24x280mm 775lm SNC



LLE G2 24x560mm 1550lm SNC



LLE G2 24x280mm 775lm SNC



LLE G2 24x560mm 1550lm SNC

Technical data

Beam characteristic	120°
Ambient temperature range	-40 ... +60 °C
tp rated	65 °C
tc	85 °C
Irated	300 mA
I _{max}	540 mA
Max. permissible LF current ripple	540 mA
Max. permissible peak current	1,200 mA / max. 10 ms
Max. working voltage for insulation ²⁾	335 V
Insulation test voltage	1,67 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (IEC 62471:2008) at I _{max}	RG2 (E _{thr} = 570 lx, RG1 at d ≥ 105 cm)
Risk group (IEC 62471:2008) at I = 490 mA	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IP00



For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
LLE 24mm ESSENCE 2 terminals (2T) for serial wiring				
LLE G2 24x280mm 775lm 830 2T SNC	28002000	3,000 K	300 pc(s).	0.021 kg
LLE G2 24x280mm 775lm 840 2T SNC	28002001	4,000 K	300 pc(s).	0.021 kg
LLE G2 24x280mm 775lm 865 2T SNC	28002002	6,500 K	300 pc(s).	0.021 kg
LLE G2 24x560mm 1550lm 830 2T SNC	28002003	3,000 K	200 pc(s).	0.041 kg
LLE G2 24x560mm 1550lm 840 2T SNC	28002004	4,000 K	200 pc(s).	0.041 kg
LLE G2 24x560mm 1550lm 865 2T SNC	28002005	6,500 K	200 pc(s).	0.041 kg
LLE 24mm ESSENCE 4 terminals (4T) for SELV				
LLE G2 24x280mm 775lm 830 4T SNC	28002012	3,000 K	300 pc(s).	0.021 kg
LLE G2 24x280mm 775lm 840 4T SNC	28002013	4,000 K	300 pc(s).	0.021 kg
LLE G2 24x280mm 775lm 865 4T SNC	28002014	6,500 K	300 pc(s).	0.021 kg
LLE G2 24x560mm 1550lm 830 4T SNC	28002015	3,000 K	200 pc(s).	0.042 kg
LLE G2 24x560mm 1550lm 840 4T SNC	28002016	4,000 K	200 pc(s).	0.042 kg
LLE G2 24x560mm 1550lm 865 4T SNC	28002017	6,500 K	200 pc(s).	0.042 kg

Specific technical data

Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ⁴⁾	Typ. luminous flux at tp = 65 °C ⁴⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ⁴⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C	Efficacy of the system at tp = 65 °C	Colour rendering index CRI
Operating mode HE at 200 mA											
LLE G2 24x280mm 775lm 830 SNC	830/469	550 lm	510 lm	200 mA	15.5 V	18.2 V	3.4 W	159 lm/W	151 lm/W	136 lm/W	> 80
LLE G2 24x280mm 775lm 840 SNC	840/469	590 lm	550 lm	200 mA	15.5 V	18.2 V	3.4 W	170 lm/W	162 lm/W	146 lm/W	> 80
LLE G2 24x280mm 775lm 865 SNC	865/469	590 lm	540 lm	200 mA	15.5 V	18.2 V	3.4 W	168 lm/W	158 lm/W	142 lm/W	> 80
LLE G2 24x560mm 1550lm 830 SNC	830/469	1,100 lm	1,030 lm	200 mA	30.9 V	36.5 V	6.8 W	159 lm/W	151 lm/W	136 lm/W	> 80
LLE G2 24x560mm 1550lm 840 SNC	840/469	1,180 lm	1,100 lm	200 mA	30.9 V	36.5 V	6.8 W	170 lm/W	162 lm/W	146 lm/W	> 80
LLE G2 24x560mm 1550lm 865 SNC	865/469	1,170 lm	1,080 lm	200 mA	30.9 V	36.5 V	6.8 W	168 lm/W	158 lm/W	142 lm/W	> 80
Operating mode NM at 250 mA											
LLE G2 24x280mm 775lm 830 SNC	830/469	680 lm	630 lm	250 mA	15.9 V	18.6 V	4.3 W	153 lm/W	145 lm/W	131 lm/W	> 80
LLE G2 24x280mm 775lm 840 SNC	840/469	730 lm	670 lm	250 mA	15.9 V	18.6 V	4.3 W	163 lm/W	155 lm/W	140 lm/W	> 80
LLE G2 24x280mm 775lm 865 SNC	865/469	720 lm	660 lm	250 mA	15.9 V	18.6 V	4.3 W	162 lm/W	152 lm/W	137 lm/W	> 80
LLE G2 24x560mm 1550lm 830 SNC	830/469	1,360 lm	1,260 lm	250 mA	31.7 V	37.2 V	8.7 W	153 lm/W	145 lm/W	131 lm/W	> 80
LLE G2 24x560mm 1550lm 840 SNC	840/469	1,450 lm	1,350 lm	250 mA	31.7 V	37.2 V	8.7 W	163 lm/W	155 lm/W	140 lm/W	> 80
LLE G2 24x560mm 1550lm 865 SNC	865/469	1,440 lm	1,320 lm	250 mA	31.7 V	37.2 V	8.7 W	162 lm/W	152 lm/W	137 lm/W	> 80
Operating mode NM at 300 mA											
LLE G2 24x280mm 775lm 830 SNC	830/469	800 lm	740 lm	300 mA	16.2 V	19.0 V	5.3 W	147 lm/W	139 lm/W	125 lm/W	> 80
LLE G2 24x280mm 775lm 840 SNC	840/469	860 lm	800 lm	300 mA	16.2 V	19.0 V	5.3 W	157 lm/W	149 lm/W	134 lm/W	> 80
LLE G2 24x280mm 775lm 865 SNC	865/469	850 lm	780 lm	300 mA	16.2 V	19.0 V	5.3 W	156 lm/W	146 lm/W	131 lm/W	> 80
LLE G2 24x560mm 1550lm 830 SNC	830/469	1,600 lm	1,490 lm	300 mA	32.5 V	38.0 V	10.7 W	147 lm/W	139 lm/W	125 lm/W	> 80
LLE G2 24x560mm 1550lm 840 SNC	840/469	1,710 lm	1,590 lm	300 mA	32.5 V	38.0 V	10.7 W	157 lm/W	149 lm/W	134 lm/W	> 80
LLE G2 24x560mm 1550lm 865 SNC	865/469	1,690 lm	1,560 lm	300 mA	32.5 V	38.0 V	10.7 W	156 lm/W	146 lm/W	131 lm/W	> 80
Operating mode HO at 350 mA											
LLE G2 24x280mm 775lm 830 SNC	830/469	920 lm	850 lm	350 mA	16.6 V	19.4 V	6.3 W	142 lm/W	134 lm/W	121 lm/W	> 80
LLE G2 24x280mm 775lm 840 SNC	840/469	980 lm	910 lm	350 mA	16.6 V	19.4 V	6.3 W	151 lm/W	144 lm/W	130 lm/W	> 80
LLE G2 24x280mm 775lm 865 SNC	865/469	970 lm	890 lm	350 mA	16.6 V	19.4 V	6.3 W	150 lm/W	141 lm/W	127 lm/W	> 80
LLE G2 24x560mm 1550lm 830 SNC	830/469	1,830 lm	1,700 lm	350 mA	33.2 V	38.7 V	12.7 W	142 lm/W	134 lm/W	121 lm/W	> 80
LLE G2 24x560mm 1550lm 840 SNC	840/469	1,960 lm	1,820 lm	350 mA	33.2 V	38.7 V	12.7 W	151 lm/W	144 lm/W	130 lm/W	> 80
LLE G2 24x560mm 1550lm 865 SNC	865/469	1,940 lm	1,790 lm	350 mA	33.2 V	38.7 V	12.7 W	150 lm/W	141 lm/W	127 lm/W	> 80
Operating mode HO at 400 mA											
LLE G2 24x280mm 775lm 830 SNC	830/469	1,020 lm	950 lm	400 mA	16.9 V	19.7 V	7.4 W	136 lm/W	129 lm/W	116 lm/W	> 80
LLE G2 24x280mm 775lm 840 SNC	840/469	1,090 lm	1,020 lm	400 mA	16.9 V	19.7 V	7.4 W	145 lm/W	138 lm/W	124 lm/W	> 80
LLE G2 24x280mm 775lm 865 SNC	865/469	1,080 lm	1,000 lm	400 mA	16.9 V	19.7 V	7.4 W	144 lm/W	135 lm/W	122 lm/W	> 80
LLE G2 24x560mm 1550lm 830 SNC	830/469	2,040 lm	1,900 lm	400 mA	33.9 V	39.4 V	14.8 W	136 lm/W	129 lm/W	116 lm/W	> 80
LLE G2 24x560mm 1550lm 840 SNC	840/469	2,190 lm	2,030 lm	400 mA	33.9 V	39.4 V	14.8 W	145 lm/W	138 lm/W	124 lm/W	> 80
LLE G2 24x560mm 1550lm 865 SNC	865/469	2,170 lm	1,990 lm	400 mA	33.9 V	39.4 V	14.8 W	144 lm/W	135 lm/W	122 lm/W	> 80
Operating mode HO at 450 mA											
LLE G2 24x280mm 775lm 830 SNC	830/469	1,130 lm	1,050 lm	450 mA	17.3 V	20.0 V	8.5 W	131 lm/W	124 lm/W	112 lm/W	> 80
LLE G2 24x280mm 775lm 840 SNC	840/469	1,210 lm	1,130 lm	450 mA	17.3 V	20.0 V	8.5 W	140 lm/W	133 lm/W	120 lm/W	> 80
LLE G2 24x280mm 775lm 865 SNC	865/469	1,200 lm	1,100 lm	450 mA	17.3 V	20.0 V	8.5 W	139 lm/W	130 lm/W	117 lm/W	> 80
LLE G2 24x560mm 1550lm 830 SNC	830/469	2,260 lm	2,110 lm	450 mA	34.6 V	40.1 V	16.9 W	131 lm/W	124 lm/W	112 lm/W	> 80
LLE G2 24x560mm 1550lm 840 SNC	840/469	2,420 lm	2,250 lm	450 mA	34.6 V	40.1 V	16.9 W	140 lm/W	133 lm/W	120 lm/W	> 80
LLE G2 24x560mm 1550lm 865 SNC	865/469	2,400 lm	2,210 lm	450 mA	34.6 V	40.1 V	16.9 W	139 lm/W	130 lm/W	117 lm/W	> 80

¹⁾ Integral measurement over the complete module.

²⁾ If mounted with M4 screws and plastic washers.

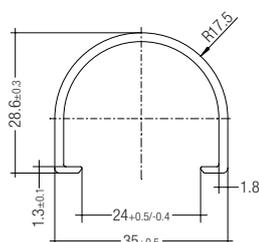
³⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.

⁴⁾ Tolerance range for optical and electrical data: ±10 %.

LINEAR COVER SY

Product description

- LINEAR COVER for LLE 24
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- High transmission:
 - transparent 94 %
 - semi-transparent 87 %
 - diffuse 76 %
- Made of PMMA
- Tolerances: ± 1 mm for 597 mm length (ends finished),
+ 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm length (ends raw)



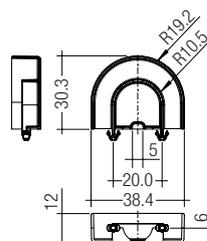
Ordering data

Type	Article number	Colour	Length	Packaging, carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	28000338	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	28000437	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	28000339	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	28000435	Semi-transparent	1,500 mm	12 pc(s).	0.244 kg
LINEAR COVER SY Frosted 1200mm	28000422	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	28000340	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	28000438	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	28000341	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	28000436	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	28000434	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	28000342	Diffuse	597 mm	12 pc(s).	0.102 kg

ACL ENDCAP LLE24 PUSH-FIX

Product description

- ENDCAP for LLE 24
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm),
for drilling hole 4 mm
- Made of polycarbonate



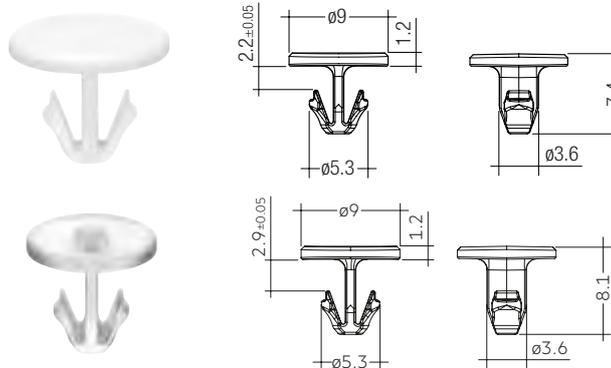
Ordering data

Type	Article number	Colour	Packaging, carton	Weight per pc.
ACL ENDCAP LLE24 PUSH-FIX	28001037	White	480 pc(s).	0.003 kg

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

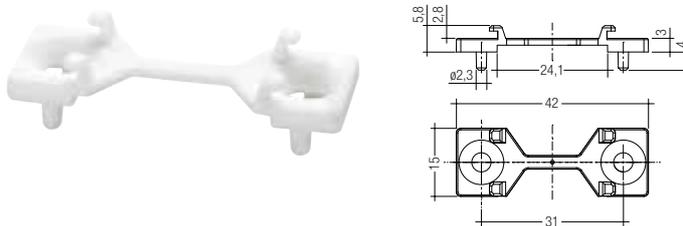
¹⁾ Minimum sales quantity 500 pcs.

RoHS

BRIDGE LLE24/40

Product description

- Enables the fixation of 24 mm wide Tridonic LED modules to fixtures made for 40 mm wide modules
- Ideal for extruded aluminium gear trays made for 40 mm modules with pre-alignment knobs
- Clip-on for LINEAR COVER and LINEAR LENS ²⁾
- For LLE 24 with 280 mm module minimum 2 bridges required
- For LLE 24 with 560 mm module minimum 3 bridges required
- Fixation via M3 or M4 countersunk screw, max. tightening torque 0.5 Nm
- BRIDGE made of white polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL BRIDGE LLE24/40 SCREW-FIX	28001205	White	600 pc(s).	0.001 kg

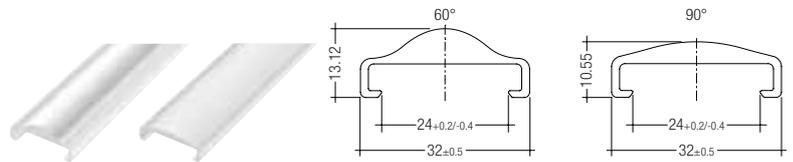
¹⁾ Minimum sales quantity 600 pcs.

²⁾ Beam characteristics will change due to the elevated fixation (see photometric files for details).

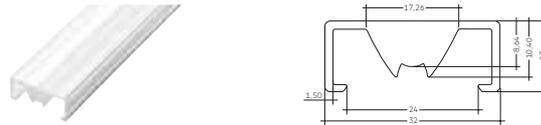
LINEAR LENS

Product description

- Linear lens for LLE 24
- Available with different beam characteristics
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Available lengths: 1,200, 1,500, 1,600 and 1,800 mm,
Tolerance: + 10 mm, at 1,600 mm
± 20 mm tolerances and ends raw
- Photometric data available on website



ACL LINEAR LENS 24mm 60° and 90°



ACL LINEAR LENS 24mm INTENSE



ACL LINEAR LENS 24mm BATWING



ACL LINEAR LENS 24mm ASY



ACL LINEAR LENS 24mm DASY

Ordering data

Type	Article number	Beam characteristic	Efficiency	Packaging, carton	Weight per pc.
ACL LINEAR LENS 24x1200mm 60°	28001428	60°	97 %	21 pc(s).	0.196 kg
ACL LINEAR LENS 24x1200mm 90°	28001429	90°	97 %	21 pc(s).	0.165 kg
ACL LINEAR LENS 24x1600mm 60°	28000953	60°	97 %	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	28000955	90°	97 %	21 pc(s).	0.221 kg
ACL LINEAR LENS 24x1200mm INTENSE	28002024	40°	95 %	18 pc(s).	0.261 kg
ACL LINEAR LENS 24x1500mm INTENSE	28002025	40°	95 %	18 pc(s).	0.326 kg
ACL LINEAR LENS 24x1800mm INTENSE	28002026	40°	95 %	18 pc(s).	0.392 kg
ACL LINEAR LENS 24x1200mm BATWING	28002027	batwing	95 %	18 pc(s).	0.275 kg
ACL LINEAR LENS 24x1500mm BATWING	28002028	batwing	95 %	18 pc(s).	0.344 kg
ACL LINEAR LENS 24x1800mm BATWING	28002029	batwing	95 %	18 pc(s).	0.412 kg
ACL LINEAR LENS 24x1200mm ASY	28002030	asymmetric	95 %	18 pc(s).	0.250 kg
ACL LINEAR LENS 24x1500mm ASY	28002031	asymmetric	95 %	18 pc(s).	0.312 kg
ACL LINEAR LENS 24x1800mm ASY	28002032	asymmetric	95 %	18 pc(s).	0.375 kg
ACL LINEAR LENS 24x1200mm DASY	28002033	double asymmetric	92 %	18 pc(s).	0.249 kg
ACL LINEAR LENS 24x1500mm DASY	28002034	double asymmetric	92 %	18 pc(s).	0.311 kg
ACL LINEAR LENS 24x1800mm DASY	28002035	double asymmetric	92 %	18 pc(s).	0.373 kg



Module LLE G2 24mm 1250lm SNC

Module LLE ESSENCE

Product description

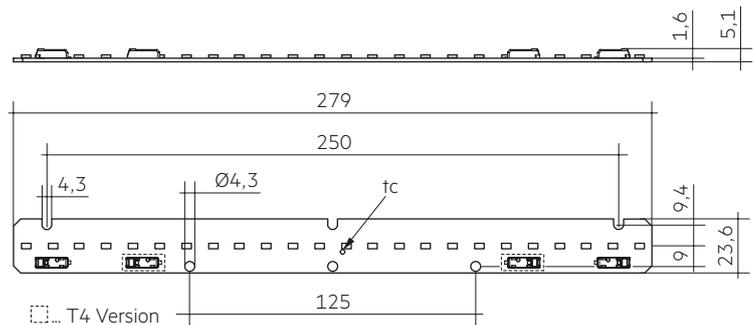
- Optimal solution for linear and panel lights where cost is main priority, together with the new LC Ip SNC and ADV LED Driver provides best system efficiency
 - SELV module – the single module has a forward voltage < 60 V
 - Terminals – 2 variants:
2 terminals for serial wiring
4 terminals for parallel, serial or robot wiring
 - Typ. luminous flux 1,250 and 2,400 lm
 - Efficiency of the module up to 171 lm/W
 - High colour rendering index CRI > 80
 - Small colour tolerance MacAdam 4¹⁾
 - Colour temperatures 3,000, 4,000 and 6,500 K
 - Module dimension 24 x 280 mm and 24 x 560 mm (ZHAGA compliant)
 - Perfectly uniform light, even if several LED modules are used together in a line
 - Push terminals for quick and simple wiring of LED module to LED module
 - Simple installation (e.g. ACL push fix)
 - Long life-time up to 50,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



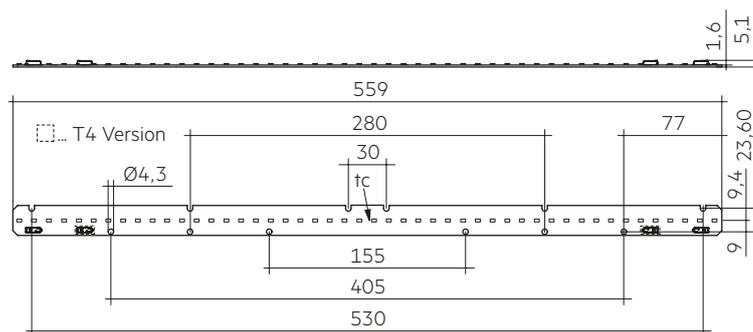
LLE G2 24x280mm 1250lm SNC



LLE G2 24x560mm 2400lm SNC



LLE G2 24x280mm 1250lm SNC



LLE G2 24x560mm 2400lm SNC

Technical data

Beam characteristic	120°
Ambient temperature range	-40 ... +60 °C
tp rated	65 °C
tc	85 °C
I _{rated}	350 mA
I _{max}	540 mA
Max. permissible LF current ripple	540 mA
Max. permissible peak current	1,200 mA / max. 10 ms
Max. working voltage for insulation ²⁾	335 V
Insulation test voltage	1,67 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (IEC 62471:2008) at I _{max}	RG2 (E _{thr} = 570 lx, RG1 at d ≥ 105 cm)
Risk group (IEC 62471:2008) at I = 490 mA	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IP00



For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
LLE 24mm ESSENCE 2 terminals (2T) for serial wiring				
LLE G2 24x280mm 1250lm 830 2T SNC	28002006	3,000 K	300 pc(s).	0.022 kg
LLE G2 24x280mm 1250lm 840 2T SNC	28002007	4,000 K	300 pc(s).	0.022 kg
LLE G2 24x280mm 1250lm 865 2T SNC	28002008	6,500 K	300 pc(s).	0.022 kg
LLE G2 24x560mm 2400lm 830 2T SNC	28002009	3,000 K	200 pc(s).	0.043 kg
LLE G2 24x560mm 2400lm 840 2T SNC	28002010	4,000 K	200 pc(s).	0.043 kg
LLE G2 24x560mm 2400lm 865 2T SNC	28002011	6,500 K	200 pc(s).	0.043 kg
LLE 24mm ESSENCE 4 terminals (4T) for SELV				
LLE G2 24x280mm 1250lm 830 4T SNC	28002018	3,000 K	300 pc(s).	0.022 kg
LLE G2 24x280mm 1250lm 840 4T SNC	28002019	4,000 K	300 pc(s).	0.022 kg
LLE G2 24x280mm 1250lm 865 4T SNC	28002020	6,500 K	300 pc(s).	0.022 kg
LLE G2 24x560mm 2400lm 830 4T SNC	28002021	3,000 K	200 pc(s).	0.043 kg
LLE G2 24x560mm 2400lm 840 4T SNC	28002022	4,000 K	200 pc(s).	0.043 kg
LLE G2 24x560mm 2400lm 865 4T SNC	28002023	6,500 K	200 pc(s).	0.043 kg

Specific technical data

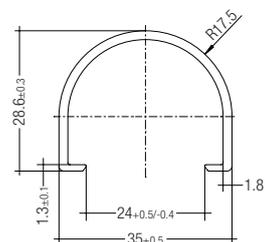
Type ³⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ⁴⁾	Typ. luminous flux at tp = 65 °C ⁴⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ⁴⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C	Efficacy of the system at tp = 65 °C	Colour rendering index CRI
Operating mode HE at 200 mA											
LLE G2 24x280mm 1250lm 830 SNC	830/469	740 lm	690 lm	200 mA	20.6 V	24.3 V	4.5 W	159 lm/W	151 lm/W	136 lm/W	> 80
LLE G2 24x280mm 1250lm 840 SNC	840/469	790 lm	740 lm	200 mA	20.6 V	24.3 V	4.5 W	171 lm/W	163 lm/W	147 lm/W	> 80
LLE G2 24x280mm 1250lm 865 SNC	865/469	790 lm	720 lm	200 mA	20.6 V	24.3 V	4.5 W	169 lm/W	159 lm/W	143 lm/W	> 80
LLE G2 24x560mm 2400lm 830 SNC	830/469	1,480 lm	1,370 lm	200 mA	41.2 V	48.6 V	9.1 W	159 lm/W	151 lm/W	136 lm/W	> 80
LLE G2 24x560mm 2400lm 840 SNC	840/469	1,590 lm	1,480 lm	200 mA	41.2 V	48.6 V	9.1 W	171 lm/W	163 lm/W	147 lm/W	> 80
LLE G2 24x560mm 2400lm 865 SNC	865/469	1,570 lm	1,440 lm	200 mA	41.2 V	48.6 V	9.1 W	169 lm/W	159 lm/W	143 lm/W	> 80
Operating mode HE at 250 mA											
LLE G2 24x280mm 1250lm 830 SNC	830/469	910 lm	840 lm	250 mA	21.1 V	24.8 V	5.8 W	153 lm/W	145 lm/W	131 lm/W	> 80
LLE G2 24x280mm 1250lm 840 SNC	840/469	970 lm	910 lm	250 mA	21.1 V	24.8 V	5.8 W	164 lm/W	156 lm/W	140 lm/W	> 80
LLE G2 24x280mm 1250lm 865 SNC	865/469	960 lm	890 lm	250 mA	21.1 V	24.8 V	5.8 W	163 lm/W	153 lm/W	138 lm/W	> 80
LLE G2 24x560mm 2400lm 830 SNC	830/469	1,810 lm	1,680 lm	250 mA	42.3 V	49.7 V	11.6 W	153 lm/W	145 lm/W	131 lm/W	> 80
LLE G2 24x560mm 2400lm 840 SNC	840/469	1,950 lm	1,810 lm	250 mA	42.3 V	49.7 V	11.6 W	164 lm/W	156 lm/W	140 lm/W	> 80
LLE G2 24x560mm 2400lm 865 SNC	865/469	1,930 lm	1,770 lm	250 mA	42.3 V	49.7 V	11.6 W	163 lm/W	153 lm/W	138 lm/W	> 80
Operating mode NM at 300 mA											
LLE G2 24x280mm 1250lm 830 SNC	830/469	1,070 lm	990 lm	300 mA	21.6 V	25.3 V	7.1 W	147 lm/W	140 lm/W	126 lm/W	> 80
LLE G2 24x280mm 1250lm 840 SNC	840/469	1,150 lm	1,070 lm	300 mA	21.6 V	25.3 V	7.1 W	158 lm/W	150 lm/W	135 lm/W	> 80
LLE G2 24x280mm 1250lm 865 SNC	865/469	1,140 lm	1,050 lm	300 mA	21.6 V	25.3 V	7.1 W	157 lm/W	147 lm/W	132 lm/W	> 80
LLE G2 24x560mm 2400lm 830 SNC	830/469	2,140 lm	1,990 lm	300 mA	43.3 V	50.6 V	14.2 W	147 lm/W	140 lm/W	126 lm/W	> 80
LLE G2 24x560mm 2400lm 840 SNC	840/469	2,290 lm	2,130 lm	300 mA	43.3 V	50.6 V	14.2 W	158 lm/W	150 lm/W	135 lm/W	> 80
LLE G2 24x560mm 2400lm 865 SNC	865/469	2,270 lm	2,090 lm	300 mA	43.3 V	50.6 V	14.2 W	157 lm/W	147 lm/W	132 lm/W	> 80
Operating mode NM at 350 mA											
LLE G2 24x280mm 1250lm 830 SNC	830/469	1,220 lm	1,140 lm	350 mA	22.1 V	25.8 V	8.5 W	142 lm/W	135 lm/W	122 lm/W	> 80
LLE G2 24x280mm 1250lm 840 SNC	840/469	1,320 lm	1,230 lm	350 mA	22.1 V	25.8 V	8.5 W	152 lm/W	145 lm/W	131 lm/W	> 80
LLE G2 24x280mm 1250lm 865 SNC	865/469	1,300 lm	1,200 lm	350 mA	22.1 V	25.8 V	8.5 W	151 lm/W	142 lm/W	128 lm/W	> 80
LLE G2 24x560mm 2400lm 830 SNC	830/469	2,450 lm	2,280 lm	350 mA	44.2 V	51.6 V	16.9 W	142 lm/W	135 lm/W	122 lm/W	> 80
LLE G2 24x560mm 2400lm 840 SNC	840/469	2,630 lm	2,450 lm	350 mA	44.2 V	51.6 V	16.9 W	152 lm/W	145 lm/W	131 lm/W	> 80
LLE G2 24x560mm 2400lm 865 SNC	865/469	2,600 lm	2,400 lm	350 mA	44.2 V	51.6 V	16.9 W	151 lm/W	142 lm/W	128 lm/W	> 80
Operating mode HO at 400 mA											
LLE G2 24x280mm 1250lm 830 SNC	830/469	1,370 lm	1,270 lm	400 mA	22.6 V	26.3 V	9.9 W	136 lm/W	129 lm/W	116 lm/W	> 80
LLE G2 24x280mm 1250lm 840 SNC	840/469	1,470 lm	1,370 lm	400 mA	22.6 V	26.3 V	9.9 W	146 lm/W	138 lm/W	124 lm/W	> 80
LLE G2 24x280mm 1250lm 865 SNC	865/469	1,450 lm	1,340 lm	400 mA	22.6 V	26.3 V	9.9 W	145 lm/W	136 lm/W	122 lm/W	> 80
LLE G2 24x560mm 2400lm 830 SNC	830/469	2,730 lm	2,540 lm	400 mA	45.2 V	52.5 V	19.7 W	136 lm/W	129 lm/W	116 lm/W	> 80
LLE G2 24x560mm 2400lm 840 SNC	840/469	2,940 lm	2,730 lm	400 mA	45.2 V	52.5 V	19.7 W	146 lm/W	138 lm/W	124 lm/W	> 80
LLE G2 24x560mm 2400lm 865 SNC	865/469	2,910 lm	2,670 lm	400 mA	45.2 V	52.5 V	19.7 W	145 lm/W	136 lm/W	122 lm/W	> 80
Operating mode HO at 450 mA											
LLE G2 24x280mm 1250lm 830 SNC	830/469	1,510 lm	1,410 lm	450 mA	23.5 V	27.2 V	12.8 W	131 lm/W	125 lm/W	113 lm/W	> 80
LLE G2 24x280mm 1250lm 840 SNC	840/469	1,630 lm	1,510 lm	450 mA	23.5 V	27.2 V	12.8 W	141 lm/W	134 lm/W	121 lm/W	> 80
LLE G2 24x280mm 1250lm 865 SNC	865/469	1,610 lm	1,480 lm	450 mA	23.5 V	27.2 V	12.8 W	140 lm/W	131 lm/W	118 lm/W	> 80
LLE G2 24x560mm 2400lm 830 SNC	830/469	3,030 lm	2,810 lm	450 mA	46.1 V	53.4 V	22.6 W	131 lm/W	125 lm/W	113 lm/W	> 80
LLE G2 24x560mm 2400lm 840 SNC	840/469	3,250 lm	3,020 lm	450 mA	46.1 V	53.4 V	22.6 W	141 lm/W	134 lm/W	121 lm/W	> 80
LLE G2 24x560mm 2400lm 865 SNC	865/469	3,220 lm	2,960 lm	450 mA	46.1 V	53.4 V	22.6 W	140 lm/W	131 lm/W	118 lm/W	> 80

¹⁾ Integral measurement over the complete module.²⁾ If mounted with M4 screws and plastic washers.³⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.⁴⁾ Tolerance range for optical and electrical data: ±10 %.

LINEAR COVER SY

Product description

- LINEAR COVER for LLE 24
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- High transmission:
 - transparent 94 %
 - semi-transparent 87 %
 - diffuse 76 %
- Made of PMMA
- Tolerances: ± 1 mm for 597 mm length (ends finished),
+ 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm length (ends raw)



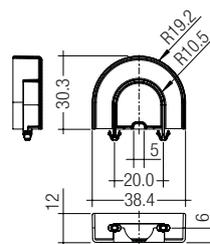
Ordering data

Type	Article number	Colour	Length	Packaging, carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	28000338	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	28000437	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	28000339	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	28000435	Semi-transparent	1,500 mm	12 pc(s).	0.244 kg
LINEAR COVER SY Frosted 1200mm	28000422	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	28000340	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	28000438	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	28000341	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	28000436	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	28000434	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	28000342	Diffuse	597 mm	12 pc(s).	0.102 kg

ACL ENDCAP LLE24 PUSH-FIX

Product description

- ENDCAP for LLE 24
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm),
for drilling hole 4 mm
- Made of polycarbonate



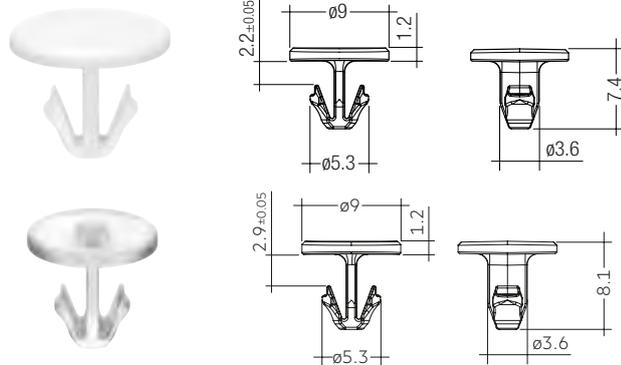
Ordering data

Type	Article number	Colour	Packaging, carton	Weight per pc.
ACL ENDCAP LLE24 PUSH-FIX	28001037	White	480 pc(s).	0.003 kg

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

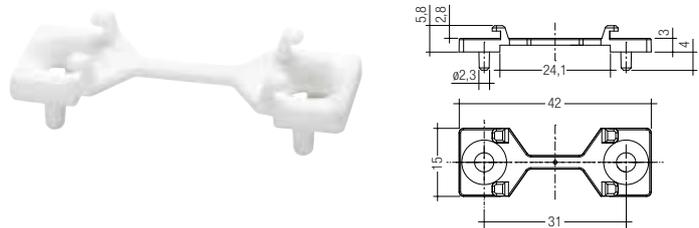
¹⁾ Minimum sales quantity 500 pcs.

RoHS

BRIDGE LLE24/40

Product description

- Enables the fixation of 24 mm wide Tridonic LED modules to fixtures made for 40 mm wide modules
- Ideal for extruded aluminium gear trays made for 40 mm modules with pre-alignment knobs
- Clip-on for LINEAR COVER and LINEAR LENS ²⁾
- For LLE 24 with 280 mm module minimum 2 bridges required
- For LLE 24 with 560 mm module minimum 3 bridges required
- Fixation via M3 or M4 countersunk screw, max. tightening torque 0.5 Nm
- BRIDGE made of white polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL BRIDGE LLE24/40 SCREW-FIX	28001205	White	600 pc(s).	0.001 kg

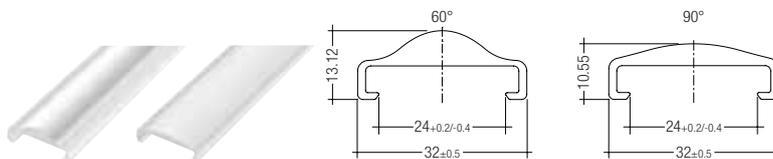
¹⁾ Minimum sales quantity 600 pcs.

²⁾ Beam characteristics will change due to the elevated fixation (see photometric files for details).

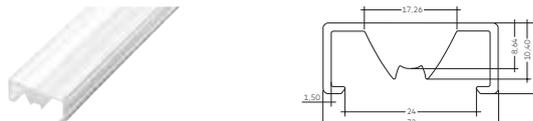
LINEAR LENS

Product description

- Linear lens for LLE 24
- Available with different beam characteristics
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Available lengths: 1,200, 1,500, 1,600 and 1,800 mm,
Tolerance: + 10 mm, at 1,600 mm
± 20 mm tolerances and ends raw
- Photometric data available on website



ACL LINEAR LENS 24mm 60° and 90°



ACL LINEAR LENS 24mm INTENSE



ACL LINEAR LENS 24mm BATWING



ACL LINEAR LENS 24mm ASY



ACL LINEAR LENS 24mm DASY

Ordering data

Type	Article number	Beam characteristic	Efficiency	Packaging, carton	Weight per pc.
ACL LINEAR LENS 24x1200mm 60°	28001428	60°	97 %	21 pc(s).	0.196 kg
ACL LINEAR LENS 24x1200mm 90°	28001429	90°	97 %	21 pc(s).	0.165 kg
ACL LINEAR LENS 24x1600mm 60°	28000953	60°	97 %	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	28000955	90°	97 %	21 pc(s).	0.221 kg
ACL LINEAR LENS 24x1200mm INTENSE	28002024	40°	95 %	18 pc(s).	0.261 kg
ACL LINEAR LENS 24x1500mm INTENSE	28002025	40°	95 %	18 pc(s).	0.326 kg
ACL LINEAR LENS 24x1800mm INTENSE	28002026	40°	95 %	18 pc(s).	0.392 kg
ACL LINEAR LENS 24x1200mm BATWING	28002027	batwing	95 %	18 pc(s).	0.275 kg
ACL LINEAR LENS 24x1500mm BATWING	28002028	batwing	95 %	18 pc(s).	0.344 kg
ACL LINEAR LENS 24x1800mm BATWING	28002029	batwing	95 %	18 pc(s).	0.412 kg
ACL LINEAR LENS 24x1200mm ASY	28002030	asymmetric	95 %	18 pc(s).	0.250 kg
ACL LINEAR LENS 24x1500mm ASY	28002031	asymmetric	95 %	18 pc(s).	0.312 kg
ACL LINEAR LENS 24x1800mm ASY	28002032	asymmetric	95 %	18 pc(s).	0.375 kg
ACL LINEAR LENS 24x1200mm DASY	28002033	double asymmetric	92 %	18 pc(s).	0.249 kg
ACL LINEAR LENS 24x1500mm DASY	28002034	double asymmetric	92 %	18 pc(s).	0.311 kg
ACL LINEAR LENS 24x1800mm DASY	28002035	double asymmetric	92 %	18 pc(s).	0.373 kg



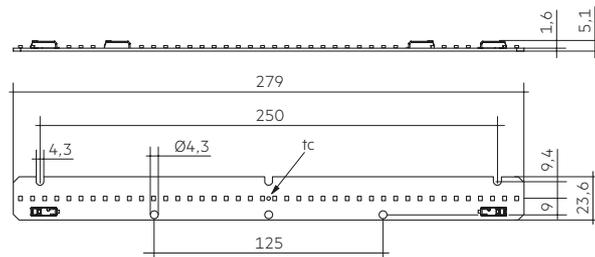
NEW

Module LLE G2 24mm 2000lm SNC

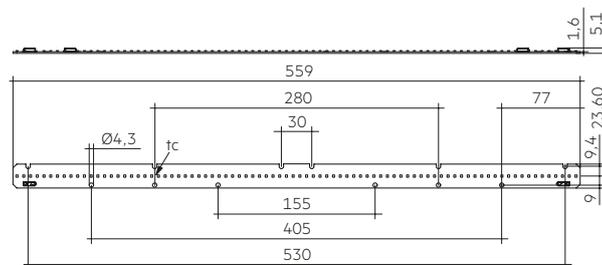
Module LLE ESSENCE

Product description

- Optimal solution for linear and panel lights where cost is main priority, together with the new LC Ip SNC and ADV LED Driver provides best system efficiency
 - Typ. luminous flux 2,000 and 4,000 lm
 - Efficiency of the module up to 171 lm/W
 - High colour rendering index CRI > 80
 - Small colour tolerance MacAdam 4¹⁾
 - Colour temperatures 3,000, 4,000 and 6,500 K
 - Module dimension 24 x 280 mm and 24 x 560 mm (ZHAGA compliant)
 - Perfectly uniform light, even if several LED modules are used together in a line
 - Push terminals for quick and simple wiring of LED module to LED module
 - Broad portfolio from extruded lenses and covers available
 - Simple installation (e.g. clips or screws)
 - Long life-time up to 50,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



LLE G2 24x280mm 2000lm SNC



LLE G2 24x560mm 4000lm SNC

Technical data

Beam characteristic	120°
Ambient temperature range	-40 ... +60 °C
tp rated	65 °C
tc	85 °C
I _{rated}	325 mA
I _{max}	540 mA
Max. permissible LF current ripple	540 mA
Max. permissible peak current	1,200 mA / max. 10 µs
Max. working voltage for insulation ²⁾	335 V
Insulation test voltage	1.67 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (IEC 62471:2008) at I _{max}	RG2 (E _{thr} = 546 lx, RG1 at d ≥ 20 cm)
Risk group (IEC 62471:2008) at I = 490 mA	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IP00



For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
LLE G2 24x280mm 2000lm 830 2T SNC	28002289	3,000 K	300 pc(s).	0.022 kg
LLE G2 24x280mm 2000lm 840 2T SNC	28002290	4,000 K	300 pc(s).	0.022 kg
LLE G2 24x280mm 2000lm 865 2T SNC	28002291	6,500 K	300 pc(s).	0.022 kg
LLE G2 24x560mm 4000lm 830 2T SNC	28002292	3,000 K	200 pc(s).	0.042 kg
LLE G2 24x560mm 4000lm 840 2T SNC	28002293	4,000 K	200 pc(s).	0.042 kg
LLE G2 24x560mm 4000lm 865 2T SNC	28002294	6,500 K	200 pc(s).	0.042 kg

Specific technical data

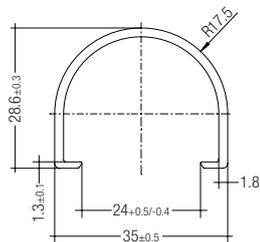
Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ⁴⁾	Typ. luminous flux at tp = 65 °C ⁴⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ⁴⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C	Efficacy of the system at tp = 65 °C	Colour rendering index CRI
Operating mode HE at 200 mA											
LLE G2 24x280mm 2000lm 830 SNC	830/469	1,290 lm	1,200 lm	200 mA	36.4 V	45.1 V	7.9 W	159 lm/W	151 lm/W	136 lm/W	> 80
LLE G2 24x280mm 2000lm 840 SNC	840/469	1,370 lm	1,290 lm	200 mA	36.4 V	45.1 V	7.9 W	171 lm/W	163 lm/W	147 lm/W	> 80
LLE G2 24x280mm 2000lm 865 SNC	865/469	1,370 lm	1,290 lm	200 mA	36.4 V	45.1 V	7.9 W	171 lm/W	163 lm/W	147 lm/W	> 80
LLE G2 24x560mm 4000lm 830 SNC	830/469	2,570 lm	2,390 lm	200 mA	72.8 V	90.2 V	15.9 W	159 lm/W	151 lm/W	136 lm/W	> 80
LLE G2 24x560mm 4000lm 840 SNC	840/469	2,750 lm	2,560 lm	200 mA	72.8 V	90.2 V	15.9 W	171 lm/W	163 lm/W	147 lm/W	> 80
LLE G2 24x560mm 4000lm 865 SNC	865/469	2,750 lm	2,560 lm	200 mA	72.8 V	90.2 V	15.9 W	171 lm/W	163 lm/W	147 lm/W	> 80
Operating mode HE at 250 mA											
LLE G2 24x280mm 2000lm 830 SNC	830/469	1,580 lm	1,470 lm	250 mA	37.2 V	46.1 V	10.1 W	153 lm/W	145 lm/W	131 lm/W	> 80
LLE G2 24x280mm 2000lm 840 SNC	840/469	1,690 lm	1,570 lm	250 mA	37.2 V	46.1 V	10.1 W	164 lm/W	156 lm/W	140 lm/W	> 80
LLE G2 24x280mm 2000lm 865 SNC	865/469	1,690 lm	1,570 lm	250 mA	37.2 V	46.1 V	10.1 W	164 lm/W	156 lm/W	140 lm/W	> 80
LLE G2 24x560mm 4000lm 830 SNC	830/469	3,160 lm	2,930 lm	250 mA	74.4 V	92.2 V	20.3 W	153 lm/W	145 lm/W	131 lm/W	> 80
LLE G2 24x560mm 4000lm 840 SNC	840/469	3,370 lm	3,140 lm	250 mA	74.4 V	92.2 V	20.3 W	164 lm/W	156 lm/W	140 lm/W	> 80
LLE G2 24x560mm 4000lm 865 SNC	865/469	3,370 lm	3,140 lm	250 mA	74.4 V	92.2 V	20.3 W	164 lm/W	156 lm/W	140 lm/W	> 80
Operating mode NM at 325 mA											
LLE G2 24x280mm 2000lm 830 SNC	830/469	2,000 lm	1,860 lm	325 mA	38.4 V	47.6 V	13.5 W	144 lm/W	137 lm/W	123 lm/W	> 80
LLE G2 24x280mm 2000lm 840 SNC	840/469	2,140 lm	1,990 lm	325 mA	38.4 V	47.6 V	13.5 W	154 lm/W	146 lm/W	131 lm/W	> 80
LLE G2 24x280mm 2000lm 865 SNC	865/469	2,140 lm	1,990 lm	325 mA	38.4 V	47.6 V	13.5 W	154 lm/W	146 lm/W	131 lm/W	> 80
LLE G2 24x560mm 4000lm 830 SNC	830/469	4,000 lm	3,720 lm	325 mA	76.8 V	95.2 V	27.2 W	144 lm/W	137 lm/W	123 lm/W	> 80
LLE G2 24x560mm 4000lm 840 SNC	840/469	4,270 lm	3,980 lm	325 mA	76.8 V	95.2 V	27.2 W	154 lm/W	146 lm/W	131 lm/W	> 80
LLE G2 24x560mm 4000lm 865 SNC	865/469	4,270 lm	3,980 lm	325 mA	76.8 V	95.2 V	27.2 W	154 lm/W	146 lm/W	131 lm/W	> 80
Operating mode HO at 400 mA											
LLE G2 24x280mm 2000lm 830 SNC	830/469	2,390 lm	2,230 lm	400 mA	39.5 V	49.0 V	17.2 W	136 lm/W	129 lm/W	116 lm/W	> 80
LLE G2 24x280mm 2000lm 840 SNC	840/469	2,560 lm	2,380 lm	400 mA	39.5 V	49.0 V	17.2 W	146 lm/W	138 lm/W	124 lm/W	> 80
LLE G2 24x280mm 2000lm 865 SNC	865/469	2,560 lm	2,380 lm	400 mA	39.5 V	49.0 V	17.2 W	146 lm/W	138 lm/W	124 lm/W	> 80
LLE G2 24x560mm 4000lm 830 SNC	830/469	4,790 lm	4,450 lm	400 mA	79.1 V	98.0 V	34.5 W	136 lm/W	129 lm/W	116 lm/W	> 80
LLE G2 24x560mm 4000lm 840 SNC	840/469	5,130 lm	4,770 lm	400 mA	79.1 V	98.0 V	34.5 W	146 lm/W	138 lm/W	124 lm/W	> 80
LLE G2 24x560mm 4000lm 865 SNC	865/469	5,130 lm	4,770 lm	400 mA	79.1 V	98.0 V	34.5 W	146 lm/W	138 lm/W	124 lm/W	> 80
Operating mode HO at 450 mA											
LLE G2 24x280mm 2000lm 830 SNC	830/469	2,650 lm	2,460 lm	450 mA	40.3 V	49.9 V	19.7 W	131 lm/W	125 lm/W	113 lm/W	> 80
LLE G2 24x280mm 2000lm 840 SNC	840/469	2,840 lm	2,640 lm	450 mA	40.3 V	49.9 V	19.7 W	141 lm/W	134 lm/W	121 lm/W	> 80
LLE G2 24x280mm 2000lm 865 SNC	865/469	2,840 lm	2,640 lm	450 mA	40.3 V	49.9 V	19.7 W	141 lm/W	134 lm/W	121 lm/W	> 80
LLE G2 24x560mm 4000lm 830 SNC	830/469	5,290 lm	4,920 lm	450 mA	80.6 V	99.8 V	39.5 W	131 lm/W	125 lm/W	113 lm/W	> 80
LLE G2 24x560mm 4000lm 840 SNC	840/469	5,670 lm	5,270 lm	450 mA	80.6 V	99.8 V	39.5 W	141 lm/W	134 lm/W	121 lm/W	> 80
LLE G2 24x560mm 4000lm 865 SNC	865/469	5,670 lm	5,270 lm	450 mA	80.6 V	99.8 V	39.5 W	141 lm/W	134 lm/W	121 lm/W	> 80

¹⁾ Integral measurement over the complete module.²⁾ If mounted with M4 screws and plastic washers.³⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.⁴⁾ Tolerance range for optical and electrical data: ±10 %.

LINEAR COVER SY

Product description

- LINEAR COVER for LLE 24
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- High transmission:
 - transparent 94 %
 - semi-transparent 87 %
 - diffuse 76 %
- Made of PMMA
- Tolerances: ± 1 mm for 597 mm length (ends finished),
+ 20 mm for 1,200/1,500/1,600/1,800 mm length (ends raw)



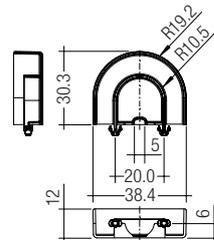
Ordering data

Type	Article number	Colour	Length	Packaging, carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	28000338	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	28000437	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	28000339	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	28000435	Semi-transparent	1,500 mm	12 pc(s).	0.244 kg
LINEAR COVER SY Frosted 1200mm	28000422	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	28000340	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	28000438	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	28000341	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	28000436	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	28000434	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	28000342	Diffuse	597 mm	12 pc(s).	0.102 kg

ACL ENDCAP LLE24 PUSH-FIX

Product description

- ENDCAP for LLE 24
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm),
for drilling hole 4 mm
- Made of polycarbonate



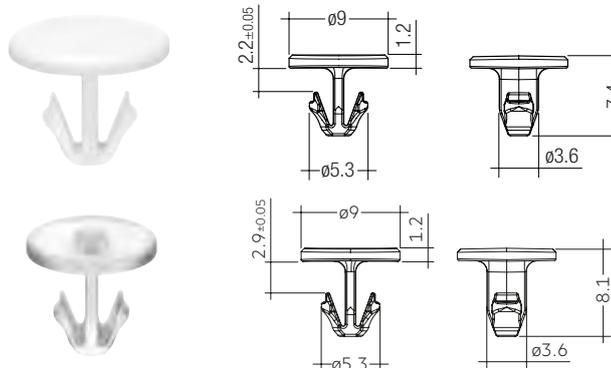
Ordering data

Type	Article number	Colour	Packaging, carton	Weight per pc.
ACL ENDCAP LLE24 PUSH-FIX	28001037	White	480 pc(s).	0.003 kg

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

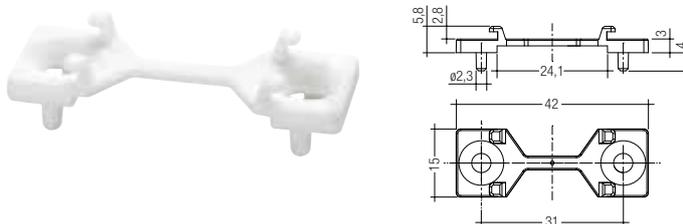
¹⁾ Minimum sales quantity 500 pcs.

RoHS

BRIDGE LLE24/40

Product description

- Enables the fixation of 24 mm wide Tridonic LED modules to fixtures made for 40 mm wide modules
- Ideal for extruded aluminium gear trays made for 40 mm modules with pre-alignment knobs
- Clip-on for LINEAR COVER and LINEAR LENS²⁾
- For LLE 24 with 280 mm module minimum 2 bridges required
- For LLE 24 with 560 mm module minimum 3 bridges required
- Fixation via M3 or M4 countersunk screw, max. tightening torque 0.5 Nm
- BRIDGE made of white polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL BRIDGE LLE24/40 SCREW-FIX	28001205	White	600 pc(s).	0.001 kg

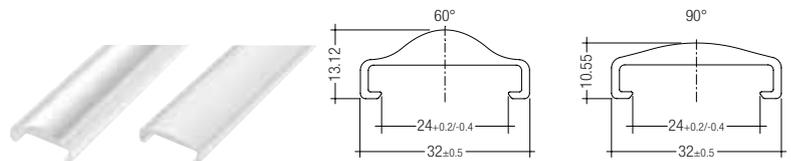
¹⁾ Minimum sales quantity 600 pcs.

²⁾ Beam characteristics will change due to the elevated fixation (see photometric files for details).

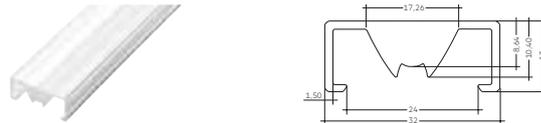
LINEAR LENS

Product description

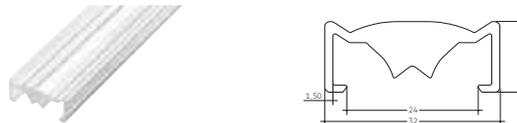
- Linear lens for LLE 24
- Available with different beam characteristics
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Available lengths: 1,200, 1,500, 1,600 and 1,800 mm,
Tolerance: + 10 mm, at 1,600 mm
± 20 mm tolerances and ends raw
- Photometric data available on website



ACL LINEAR LENS 24mm 60° and 90°



ACL LINEAR LENS 24mm INTENSE



ACL LINEAR LENS 24mm BATWING



ACL LINEAR LENS 24mm ASY



ACL LINEAR LENS 24mm DASY

Ordering data

Type	Article number	Beam characteristic	Efficiency	Packaging, carton	Weight per pc.
ACL LINEAR LENS 24x1200mm 60°	28001428	60°	97 %	21 pc(s).	0.196 kg
ACL LINEAR LENS 24x1200mm 90°	28001429	90°	97 %	21 pc(s).	0.165 kg
ACL LINEAR LENS 24x1600mm 60°	28000953	60°	97 %	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	28000955	90°	97 %	21 pc(s).	0.221 kg
ACL LINEAR LENS 24x1200mm INTENSE	28002024	40°	95 %	18 pc(s).	0.261 kg
ACL LINEAR LENS 24x1500mm INTENSE	28002025	40°	95 %	18 pc(s).	0.326 kg
ACL LINEAR LENS 24x1800mm INTENSE	28002026	40°	95 %	18 pc(s).	0.392 kg
ACL LINEAR LENS 24x1200mm BATWING	28002027	batwing	95 %	18 pc(s).	0.275 kg
ACL LINEAR LENS 24x1500mm BATWING	28002028	batwing	95 %	18 pc(s).	0.344 kg
ACL LINEAR LENS 24x1800mm BATWING	28002029	batwing	95 %	18 pc(s).	0.412 kg
ACL LINEAR LENS 24x1200mm ASY	28002030	asymmetric	95 %	18 pc(s).	0.250 kg
ACL LINEAR LENS 24x1500mm ASY	28002031	asymmetric	95 %	18 pc(s).	0.312 kg
ACL LINEAR LENS 24x1800mm ASY	28002032	asymmetric	95 %	18 pc(s).	0.375 kg
ACL LINEAR LENS 24x1200mm DASY	28002033	double asymmetric	92 %	18 pc(s).	0.249 kg
ACL LINEAR LENS 24x1500mm DASY	28002034	double asymmetric	92 %	18 pc(s).	0.311 kg
ACL LINEAR LENS 24x1800mm DASY	28002035	double asymmetric	92 %	18 pc(s).	0.373 kg

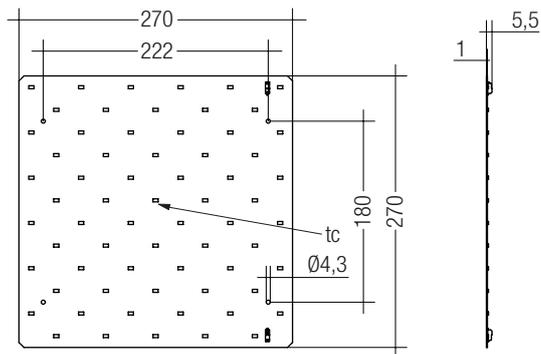


Module STARK QLE G3 SELECT

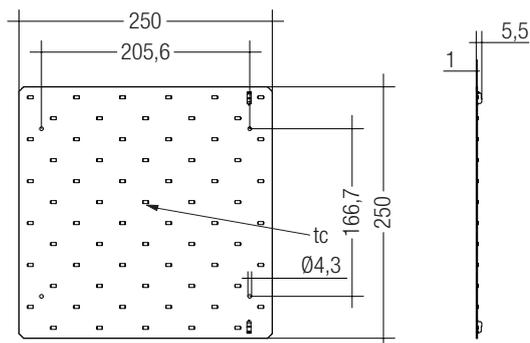
Module QLE EXCITE

Product description

- Ideal for linear and panel lights
 - Luminous flux range from 1,090 – 1,620 lm
 - LED system solution with outstanding system efficacy up to 137 lm/W, consisting of squared LED module and dimmable LED Driver LCA 50 W 100–400 mA Ip PRE
 - Efficacy of the module up to 156 lm/W
 - High colour rendering index CRI > 90
 - Small colour tolerance (MacAdam 3)¹⁾
 - Small luminous flux tolerances
 - Colour temperatures 3,000 and 4,000 K
 - Perfectly uniform light, even if several LED modules are used together in a line
 - Self-cooling (no additional heat sink required)
 - Push terminals for quick and simple wiring of LED module to LED module
 - Simple installation (e.g. screws)
 - Long life-time: 50,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



QLE-G3-270



QLE-G3-250

Technical data

Beam characteristic	120°
Ambient temperature range	-30 ... +55 °C
tp rated	45 °C
tc	85 °C
Max. DC forward current	900 mA
Max. permissible LF current ripple	990 mA
Max. permissible peak current	1,500 mA / max. 10 µs
Max. permissible output voltage of LED Driver ²⁾	500 V
Insulation test voltage	2 kV
ESD classification	Severity level 4
Risk group (EN 62471:2008)	1
Type of protection	IP00



For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-QLE-G3-270-1250-930-SEL	28000356	3,000 K	40 pc(s).	014 kg
STARK-QLE-G3-270-1250-940-SEL	28000357	4,000 K	40 pc(s).	014 kg
STARK-QLE-G3-250-1250-930-SEL	28000354	3,000 K	40 pc(s).	012 kg
STARK-QLE-G3-250-1250-940-SEL	28000355	4,000 K	40 pc(s).	012 kg

Specific technical data

Type ²⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ⁴⁾	Typ. luminous flux at tp = 45 °C ⁴⁾	Typ. forward current	Min. forward voltage at tp = 45 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 45 °C ⁴⁾	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 45 °C	Luminous efficacy system at tp = 45 °C	Colour rendering index CRI
Operating mode HE at 250 mA											
STARK-QLE-G3-270-1250-930-SEL	930/359	1,110 lm	1,090 lm	250 mA	26.3 V	33.0 V	7.6 W	149 lm/W	146 lm/W	131 lm/W	> 90
STARK-QLE-G3-270-1250-940-SEL	940/359	1,170 lm	1,140 lm	250 mA	26.3 V	33.0 V	7.6 W	156 lm/W	152 lm/W	137 lm/W	> 90
STARK-QLE-G3-250-1250-930-SEL	930/359	1,110 lm	1,090 lm	250 mA	26.3 V	33.0 V	7.6 W	149 lm/W	146 lm/W	131 lm/W	> 90
STARK-QLE-G3-250-1250-940-SEL	940/359	1,170 lm	1,140 lm	250 mA	26.3 V	33.0 V	7.6 W	156 lm/W	152 lm/W	137 lm/W	> 90
Operating mode HO at 300 mA											
STARK-QLE-G3-270-1250-930-SEL	930/359	1,330 lm	1,300 lm	300 mA	26.8 V	33.5 V	9.2 W	144 lm/W	141 lm/W	127 lm/W	> 90
STARK-QLE-G3-270-1250-940-SEL	940/359	1,400 lm	1,360 lm	300 mA	26.8 V	33.5 V	9.2 W	151 lm/W	148 lm/W	133 lm/W	> 90
STARK-QLE-G3-250-1250-930-SEL	930/359	1,330 lm	1,300 lm	300 mA	26.8 V	33.5 V	9.2 W	144 lm/W	141 lm/W	127 lm/W	> 90
STARK-QLE-G3-250-1250-940-SEL	940/359	1,400 lm	1,360 lm	300 mA	26.8 V	33.5 V	9.2 W	151 lm/W	148 lm/W	133 lm/W	> 90
Operating mode HO at 350 mA											
STARK-QLE-G3-270-1250-930-SEL	930/359	1,540 lm	1,500 lm	350 mA	27.3 V	34.0 V	10.8 W	141 lm/W	138 lm/W	124 lm/W	> 90
STARK-QLE-G3-270-1250-940-SEL	940/359	1,620 lm	1,580 lm	350 mA	27.3 V	34.0 V	10.8 W	147 lm/W	144 lm/W	130 lm/W	> 90
STARK-QLE-G3-250-1250-930-SEL	930/359	1,540 lm	1,500 lm	350 mA	27.3 V	34.0 V	10.8 W	141 lm/W	138 lm/W	124 lm/W	> 90
STARK-QLE-G3-250-1250-940-SEL	940/359	1,620 lm	1,580 lm	350 mA	27.3 V	34.0 V	10.8 W	147 lm/W	144 lm/W	130 lm/W	> 90

¹⁾ Integral measurement over the complete module.

²⁾ If mounted with M4 screws.

³⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.

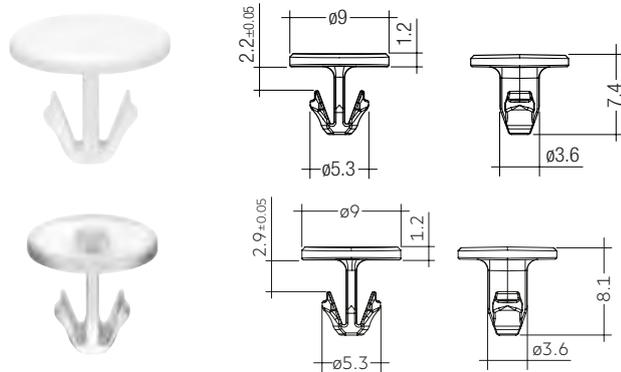
⁴⁾ Tolerance range for optical data: ±7.5 % and electrical data: ±10 %.

ACCESSORIES

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

¹⁾ Minimum sales quantity 500 pcs.



Module QLE G3+ ADV

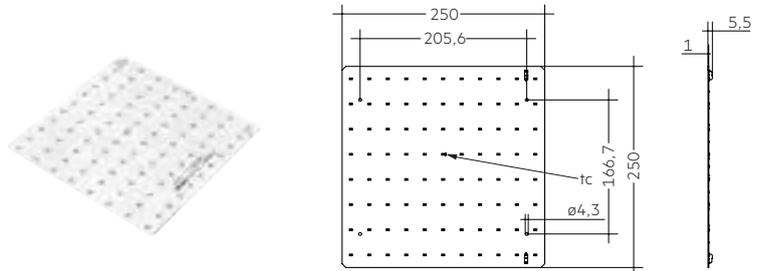
Module QLE ADVANCED

Product description

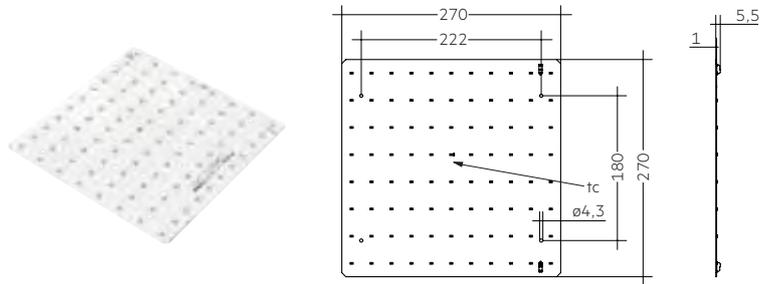
- Ideal for linear and panel lights
 - Luminous flux range from 1,000 – 5,250 lm
 - LED system solution with outstanding system efficacy up to 162 lm/W, consisting of squared LED modules and dimmable LED Driver LCA 50W 150–400mA Ip PRE
 - Efficacy of the module up to 184 lm/W
 - High colour rendering index CRI > 80
 - Small colour tolerance MacAdam 3¹⁾
 - Small luminous flux tolerances
 - Colour temperatures 3,000, 4,000 and 5,000 K
 - Perfectly uniform light, even if several LED modules are used together in a line
 - Self cooling (no additional heat sink required)
 - Push terminals for quick and simple wiring of LED module to LED module
 - Simple installation (e.g. screws)
 - Long life-time: 50,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Beam characteristic	120°
Ambient temperature range	-40 ... +65 °C
tp rated	45 °C
tc	85 °C
Irated for 250 x 250 / 270 x 270 mm	250 mA
Irated for 540 x 270 mm	500 mA
I _{max} for 250 x 250 / 270 x 270 mm	900 mA
I _{max} for 540 x 270 mm	1,800 mA
Max. permissible LF current ripple for 250 x 250 / 270 x 270 mm	990 mA
Max. permissible LF current ripple for 540 x 270 mm	1,980 mA
Max. permissible peak current for 250 x 250 / 270 x 270 mm	1,500 mA / max. 10 ms
Max. permissible peak current for 540 x 270 mm	3,000 mA / max. 10 ms
Max. working voltage for insulation ²⁾	500 V
Insulation test voltage	2 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (IEC 62471:2008) ³⁾	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IP00



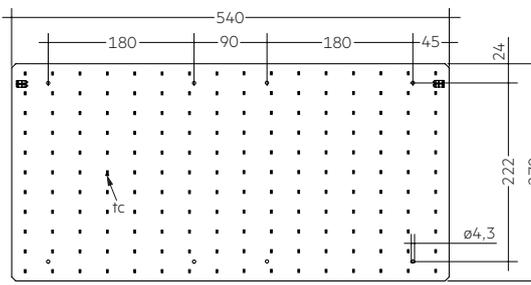
QLE G3+ 250x250mm 1250lm ADV



QLE G3+ 270x270mm 1250lm ADV



QLE G3+ 540x270mm 2500lm ADV



Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
QLE G3+ 250x250mm 1250lm 830 ADV	28001991	3,000 K	40 pc(s).	0.130 kg
QLE G3+ 250x250mm 1250lm 840 ADV	28001992	4,000 K	40 pc(s).	0.130 kg
QLE G3+ 250x250mm 1250lm 850 ADV	28001993	5,000 K	40 pc(s).	0.130 kg
QLE G3+ 270x270mm 1250lm 830 ADV	28001994	3,000 K	40 pc(s).	0.145 kg
QLE G3+ 270x270mm 1250lm 840 ADV	28001995	4,000 K	40 pc(s).	0.145 kg
QLE G3+ 270x270mm 1250lm 850 ADV	28001996	5,000 K	40 pc(s).	0.145 kg
QLE G3+ 540x270mm 2500lm 830 ADV	28001997	3,000 K	20 pc(s).	0.280 kg
QLE G3+ 540x270mm 2500lm 840 ADV	28001998	4,000 K	20 pc(s).	0.280 kg



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type ⁴⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ³⁾	Typ. luminous flux at tp = 45 °C ³⁾	Typ. forward current	Min. forward voltage at tp = 45 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 45 °C ³⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 45 °C	Efficacy of the system at tp = 45 °C	Colour rendering index CRI
QLE G3+ 250x250 / 270x270 mm – Operating mode HE at 200 mA											
QLE G3+ 250x250mm 1250lm 830 ADV	830/359	1,030 lm	1,000 lm	200 mA	271 V	316 V	5,9 W	173 lm/W	169 lm/W	152 lm/W	> 80
QLE G3+ 250x250mm 1250lm 840 ADV	840/359	1,100 lm	1,060 lm	200 mA	271 V	316 V	5,9 W	184 lm/W	180 lm/W	162 lm/W	> 80
QLE G3+ 250x250mm 1250lm 850 ADV	850/359	1,100 lm	1,060 lm	200 mA	271 V	316 V	5,9 W	184 lm/W	179 lm/W	161 lm/W	> 80
QLE G3+ 270x270mm 1250lm 830 ADV	830/359	1,030 lm	1,000 lm	200 mA	271 V	316 V	5,9 W	173 lm/W	169 lm/W	152 lm/W	> 80
QLE G3+ 270x270mm 1250lm 840 ADV	840/359	1,100 lm	1,060 lm	200 mA	271 V	316 V	5,9 W	184 lm/W	180 lm/W	162 lm/W	> 80
QLE G3+ 270x270mm 1250lm 850 ADV	850/359	1,100 lm	1,060 lm	200 mA	271 V	316 V	5,9 W	184 lm/W	179 lm/W	161 lm/W	> 80
QLE G3+ 250x250 / 270x270 mm – Operating mode NM at 250 mA											
QLE G3+ 250x250mm 1250lm 830 ADV	830/359	1,280 lm	1,240 lm	250 mA	274 V	319 V	7,5 W	170 lm/W	166 lm/W	149 lm/W	> 80
QLE G3+ 250x250mm 1250lm 840 ADV	840/359	1,370 lm	1,320 lm	250 mA	274 V	319 V	7,5 W	181 lm/W	177 lm/W	159 lm/W	> 80
QLE G3+ 250x250mm 1250lm 850 ADV	850/359	1,370 lm	1,320 lm	250 mA	274 V	319 V	7,5 W	181 lm/W	176 lm/W	158 lm/W	> 80
QLE G3+ 270x270mm 1250lm 830 ADV	830/359	1,280 lm	1,240 lm	250 mA	274 V	319 V	7,5 W	170 lm/W	166 lm/W	149 lm/W	> 80
QLE G3+ 270x270mm 1250lm 840 ADV	840/359	1,370 lm	1,320 lm	250 mA	274 V	319 V	7,5 W	181 lm/W	177 lm/W	159 lm/W	> 80
QLE G3+ 270x270mm 1250lm 850 ADV	850/359	1,370 lm	1,320 lm	250 mA	274 V	319 V	7,5 W	181 lm/W	176 lm/W	158 lm/W	> 80
QLE G3+ 250x250 / 270x270 mm – Operating mode HO at 300 mA											
QLE G3+ 250x250mm 1250lm 830 ADV	830/359	1,520 lm	1,460 lm	300 mA	277 V	322 V	9,1 W	165 lm/W	161 lm/W	145 lm/W	> 80
QLE G3+ 250x250mm 1250lm 840 ADV	840/359	1,620 lm	1,560 lm	300 mA	277 V	322 V	9,1 W	177 lm/W	172 lm/W	155 lm/W	> 80
QLE G3+ 250x250mm 1250lm 850 ADV	850/359	1,620 lm	1,560 lm	300 mA	277 V	322 V	9,1 W	177 lm/W	171 lm/W	154 lm/W	> 80
QLE G3+ 270x270mm 1250lm 830 ADV	830/359	1,520 lm	1,460 lm	300 mA	277 V	322 V	9,1 W	165 lm/W	161 lm/W	145 lm/W	> 80
QLE G3+ 270x270mm 1250lm 840 ADV	840/359	1,620 lm	1,560 lm	300 mA	277 V	322 V	9,1 W	177 lm/W	172 lm/W	155 lm/W	> 80
QLE G3+ 270x270mm 1250lm 850 ADV	850/359	1,620 lm	1,560 lm	300 mA	277 V	322 V	9,1 W	177 lm/W	171 lm/W	154 lm/W	> 80
QLE G3+ 250x250 / 270x270 mm – Operating mode HO at 350 mA											
QLE G3+ 250x250mm 1250lm 830 ADV	830/359	1,760 lm	1,700 lm	350 mA	280 V	326 V	10,7 W	163 lm/W	159 lm/W	143 lm/W	> 80
QLE G3+ 250x250mm 1250lm 840 ADV	840/359	1,880 lm	1,810 lm	350 mA	280 V	326 V	10,7 W	174 lm/W	169 lm/W	152 lm/W	> 80
QLE G3+ 250x250mm 1250lm 850 ADV	850/359	1,880 lm	1,800 lm	350 mA	280 V	326 V	10,7 W	174 lm/W	169 lm/W	152 lm/W	> 80
QLE G3+ 270x270mm 1250lm 830 ADV	830/359	1,760 lm	1,700 lm	350 mA	280 V	326 V	10,7 W	163 lm/W	159 lm/W	143 lm/W	> 80
QLE G3+ 270x270mm 1250lm 840 ADV	840/359	1,880 lm	1,810 lm	350 mA	280 V	326 V	10,7 W	174 lm/W	169 lm/W	152 lm/W	> 80
QLE G3+ 270x270mm 1250lm 850 ADV	850/359	1,880 lm	1,800 lm	350 mA	280 V	326 V	10,7 W	174 lm/W	169 lm/W	152 lm/W	> 80
QLE G3+ 250x250 / 270x270 mm – Operating mode HO at 400 mA											
QLE G3+ 250x250mm 1250lm 830 ADV	830/359	2,000 lm	1,930 lm	400 mA	283 V	328 V	12,3 W	160 lm/W	156 lm/W	140 lm/W	> 80
QLE G3+ 250x250mm 1250lm 840 ADV	840/359	2,130 lm	2,060 lm	400 mA	283 V	328 V	12,3 W	171 lm/W	167 lm/W	150 lm/W	> 80
QLE G3+ 250x250mm 1250lm 850 ADV	850/359	2,130 lm	2,050 lm	400 mA	283 V	328 V	12,3 W	171 lm/W	166 lm/W	149 lm/W	> 80
QLE G3+ 270x270mm 1250lm 830 ADV	830/359	2,000 lm	1,930 lm	400 mA	283 V	328 V	12,3 W	160 lm/W	156 lm/W	140 lm/W	> 80
QLE G3+ 270x270mm 1250lm 840 ADV	840/359	2,130 lm	2,060 lm	400 mA	283 V	328 V	12,3 W	171 lm/W	167 lm/W	150 lm/W	> 80
QLE G3+ 270x270mm 1250lm 850 ADV	850/359	2,130 lm	2,050 lm	400 mA	283 V	328 V	12,3 W	171 lm/W	166 lm/W	149 lm/W	> 80
QLE G3+ 250x250 / 270x270 mm – Operating mode HO at 450 mA											
QLE G3+ 250x250mm 1250lm 830 ADV	830/359	2,230 lm	2,150 lm	450 mA	286 V	331 V	14,0 W	158 lm/W	154 lm/W	139 lm/W	> 80
QLE G3+ 250x250mm 1250lm 840 ADV	840/359	2,380 lm	2,300 lm	450 mA	286 V	331 V	14,0 W	168 lm/W	164 lm/W	148 lm/W	> 80
QLE G3+ 250x250mm 1250lm 850 ADV	850/359	2,380 lm	2,280 lm	450 mA	286 V	331 V	14,0 W	168 lm/W	163 lm/W	147 lm/W	> 80
QLE G3+ 270x270mm 1250lm 830 ADV	830/359	2,230 lm	2,150 lm	450 mA	286 V	331 V	14,0 W	158 lm/W	154 lm/W	139 lm/W	> 80
QLE G3+ 270x270mm 1250lm 840 ADV	840/359	2,380 lm	2,300 lm	450 mA	286 V	331 V	14,0 W	168 lm/W	164 lm/W	148 lm/W	> 80
QLE G3+ 270x270mm 1250lm 850 ADV	850/359	2,380 lm	2,280 lm	450 mA	286 V	331 V	14,0 W	168 lm/W	163 lm/W	147 lm/W	> 80
QLE G3+ 250x250 / 270x270 mm – Operating mode HO at 500 mA											
QLE G3+ 250x250mm 1250lm 830 ADV	830/359	2,460 lm	2,380 lm	500 mA	289 V	334 V	15,7 W	155 lm/W	151 lm/W	136 lm/W	> 80
QLE G3+ 250x250mm 1250lm 840 ADV	840/359	2,630 lm	2,540 lm	500 mA	289 V	334 V	15,7 W	166 lm/W	161 lm/W	145 lm/W	> 80
QLE G3+ 250x250mm 1250lm 850 ADV	850/359	2,630 lm	2,520 lm	500 mA	289 V	334 V	15,7 W	166 lm/W	161 lm/W	145 lm/W	> 80
QLE G3+ 270x270mm 1250lm 830 ADV	830/359	2,460 lm	2,380 lm	500 mA	289 V	334 V	15,7 W	155 lm/W	151 lm/W	136 lm/W	> 80
QLE G3+ 270x270mm 1250lm 840 ADV	840/359	2,630 lm	2,540 lm	500 mA	289 V	334 V	15,7 W	166 lm/W	161 lm/W	145 lm/W	> 80
QLE G3+ 270x270mm 1250lm 850 ADV	850/359	2,630 lm	2,520 lm	500 mA	289 V	334 V	15,7 W	166 lm/W	161 lm/W	145 lm/W	> 80

¹⁾ Integral measurement over the complete module.²⁾ If mounted with M4 screws.³⁾ Tolerance range for optical data: ±7,5 % and electrical data: ±10 %.⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.⁵⁾ Measured at Imax.

Specific technical data

Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ²⁾	Typ. luminous flux at tp = 45 °C ³⁾	Typ. forward current	Min. forward voltage at tp = 45 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 45 °C ³⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 45 °C	Efficacy of the system at tp = 45 °C	Colour rendering index CRI
QLE G3+ 540x270mm – Operating mode HE at 400 mA											
QLE G3+ 540x270mm 2500lm 830 ADV	830/359	2,070 lm	2,000 lm	400 mA	27.1 V	31.6 V	11.8 W	173 lm/W	169 lm/W	152 lm/W	> 80
QLE G3+ 540x270mm 2500lm 840 ADV	840/359	2,210 lm	2,130 lm	400 mA	27.1 V	31.6 V	11.8 W	184 lm/W	180 lm/W	162 lm/W	> 80
QLE G3+ 540x270mm – Operating mode NM at 500 mA											
QLE G3+ 540x270mm 2500lm 830 ADV	830/359	2,570 lm	2,480 lm	500 mA	27.4 V	31.9 V	15.0 W	170 lm/W	166 lm/W	149 lm/W	> 80
QLE G3+ 540x270mm 2500lm 840 ADV	840/359	2,740 lm	2,640 lm	500 mA	27.4 V	31.9 V	15.0 W	181 lm/W	177 lm/W	159 lm/W	> 80
QLE G3+ 540x270mm – Operating mode HO at 600 mA											
QLE G3+ 540x270mm 2500lm 830 ADV	830/359	3,040 lm	2,930 lm	600 mA	27.7 V	32.2 V	18.1 W	165 lm/W	161 lm/W	145 lm/W	> 80
QLE G3+ 540x270mm 2500lm 840 ADV	840/359	3,240 lm	3,130 lm	600 mA	27.7 V	32.2 V	18.1 W	177 lm/W	172 lm/W	155 lm/W	> 80
QLE G3+ 540x270mm – Operating mode HO at 700 mA											
QLE G3+ 540x270mm 2500lm 830 ADV	830/359	3,520 lm	3,400 lm	700 mA	28.0 V	32.6 V	21.4 W	163 lm/W	159 lm/W	143 lm/W	> 80
QLE G3+ 540x270mm 2500lm 840 ADV	840/359	3,760 lm	3,620 lm	700 mA	28.0 V	32.6 V	21.4 W	174 lm/W	169 lm/W	152 lm/W	> 80
QLE G3+ 540x270mm – Operating mode HO at 800 mA											
QLE G3+ 540x270mm 2500lm 830 ADV	830/359	4,000 lm	3,860 lm	800 mA	28.3 V	32.8 V	24.7 W	160 lm/W	156 lm/W	140 lm/W	> 80
QLE G3+ 540x270mm 2500lm 840 ADV	840/359	4,270 lm	4,120 lm	800 mA	28.3 V	32.8 V	24.7 W	171 lm/W	167 lm/W	150 lm/W	> 80
QLE G3+ 540x270mm – Operating mode HO at 900 mA											
QLE G3+ 540x270mm 2500lm 830 ADV	830/359	4,460 lm	4,300 lm	900 mA	28.6 V	33.1 V	28.0 W	158 lm/W	154 lm/W	139 lm/W	> 80
QLE G3+ 540x270mm 2500lm 840 ADV	840/359	4,760 lm	4,590 lm	900 mA	28.6 V	33.1 V	28.0 W	168 lm/W	164 lm/W	148 lm/W	> 80
QLE G3+ 540x270mm – Operating mode HO at 1,000 mA											
QLE G3+ 540x270mm 2500lm 830 ADV	830/359	4,920 lm	4,750 lm	1,000 mA	28.9 V	33.4 V	31.4 W	155 lm/W	151 lm/W	136 lm/W	> 80
QLE G3+ 540x270mm 2500lm 840 ADV	840/359	5,250 lm	5,070 lm	1,000 mA	28.9 V	33.4 V	31.4 W	166 lm/W	161 lm/W	145 lm/W	> 80

¹⁾ Integral measurement over the complete module.

²⁾ If mounted with M4 screws.

³⁾ Tolerance range for optical data: ±7.5 % and electrical data: ±10 %.

⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.

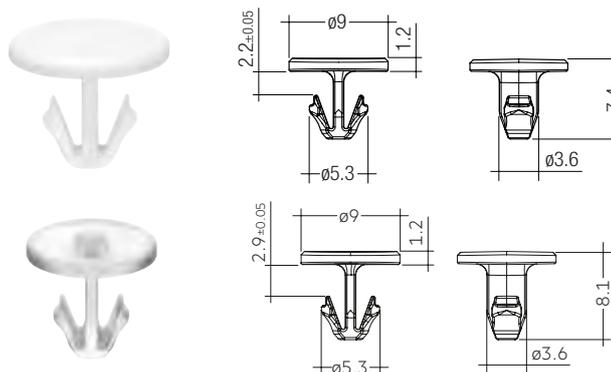
⁵⁾ Measured at Imax.

ACCESSORIES

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

¹⁾ Minimum sales quantity 500 pcs.



Module QLE G2 380x380mm 5000lm ADV-SE

Module QLE ADVANCED

Product description

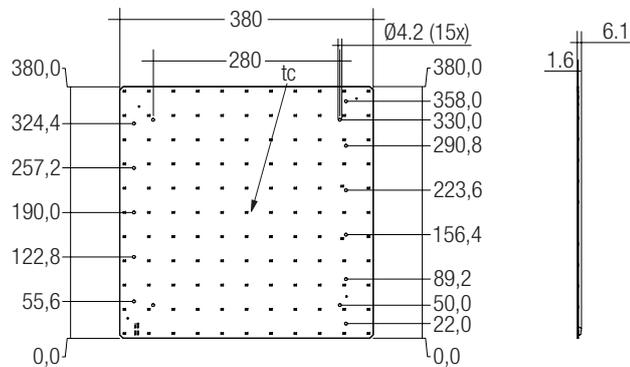
- Ideal for panel and louvre luminaires, cost-effective replacement for 4 x 14 W (18 W) T5 / T8 lamps
- Luminous flux range from 3,520 up to 8,260 lm
- 121 LED packages for excellent homogeneity and illumination
- LED system solution with outstanding system efficacy up to 136 lm/W, consisting of squared LED module and dimmable LED Driver LCAI 65 W 900–1750 mA ECO Ip
- Efficacy of the module up to 159 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)¹⁾
- Small luminous flux tolerances
- Colour temperatures 3,000 and 4,000 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Self-cooling (no additional heat sink required)
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

For colour temperatures and tolerances see data sheet



Technical data

Beam characteristic	120°
Ambient temperature range	-30 ... +45 °C
tp rated	65 °C
tc	85 °C
Max. DC forward current	1,980 mA
Max. permissible LF current ripple	2,178 mA
Max. permissible peak current	2,460 mA / max. 10 µs
Max. permissible output voltage of LED Driver ²⁾	420 V
Insulation test voltage	184 kV
ESD classification	Severity level 4
Risk group (EN 62471:2008)	0
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
QLE G2 380x380mm 5000lm 830 ADV-SE	89602156	3,000 K	14 pc(s).	0.283 kg
QLE G2 380x380mm 5000lm 840 ADV-SE	89602157	4,000 K	14 pc(s).	0.283 kg

Specific technical data

Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ⁴⁾	Typ. luminous flux at tp = 65 °C ⁴⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ⁴⁾	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI
Operating mode HE at 825 mA											
QLE G2 380x380mm 5000lm 830 ADV-SE	830/349	3,920 lm	3,720 lm	825 mA	30.5 V	34.7 V	26.0 W	146 lm/W	143 lm/W	126 lm/W	> 80
QLE G2 380x380mm 5000lm 840 ADV-SE	840/349	4,270 lm	4,050 lm	825 mA	30.5 V	34.7 V	26.0 W	159 lm/W	155 lm/W	136 lm/W	> 80
Operating mode BLO at 1,050 mA											
QLE G2 380x380mm 5000lm 830 ADV-SE	830/349	4,850 lm	4,600 lm	1,050 mA	31.8 V	36.2 V	34.1 W	138 lm/W	135 lm/W	119 lm/W	> 80
QLE G2 380x380mm 5000lm 840 ADV-SE	840/349	5,290 lm	5,020 lm	1,050 mA	31.8 V	36.2 V	34.1 W	151 lm/W	147 lm/W	130 lm/W	> 80
Operating mode HO at 1,700 mA											
QLE G2 380x380mm 5000lm 830 ADV-SE	830/349	7,580 lm	7,190 lm	1,700 mA	34.0 V	38.8 V	59.1 W	125 lm/W	121 lm/W	106 lm/W	> 80
QLE G2 380x380mm 5000lm 840 ADV-SE	840/349	8,260 lm	7,840 lm	1,700 mA	34.0 V	38.8 V	59.1 W	136 lm/W	132 lm/W	116 lm/W	> 80

¹⁾ Integral measurement over the complete module.

²⁾ If mounted with M4 screws.

³⁾ HE ... high efficiency, BLO ... best lamp operation, HO ... high output.

⁴⁾ Tolerance range for optical and electrical data: ±10 %.

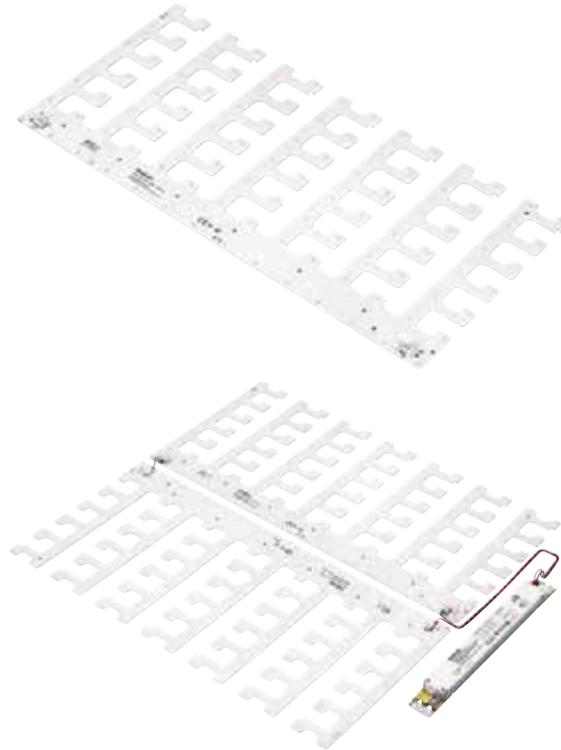


Module QLE G2 520x246mm 2500lm ADV-SE

Module QLE ADVANCED

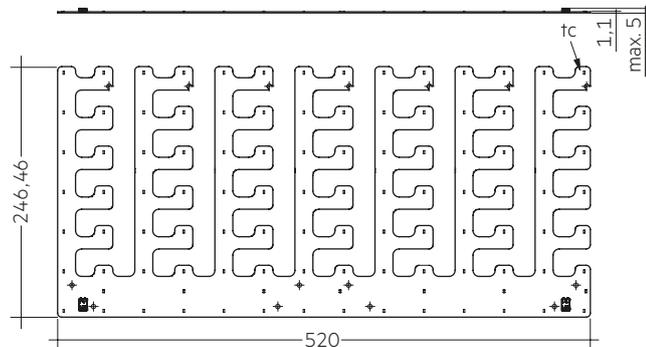
Product description

- Ideal for linear and panel lights
 - Luminous flux range from 1,890 – 3,500 lm
 - LED system solution with outstanding system efficacy up to 150 lm/W, consisting of squared LED modules and dimmable LED Driver LCA 50W 100–400mA Ip PRE
 - Efficacy of the module up to 170 lm/W
 - High colour rendering index CRI > 80
 - Small colour tolerance MacAdam 3rd
 - Small luminous flux tolerances
 - Colour temperatures 3,000, 4,000, 5,000 and 6,500 K
 - Perfectly uniform light, even if several LED modules are used together in a line
 - Self cooling (no additional heat sink required)
 - Push terminals for quick and simple wiring of LED module to LED module
 - Simple installation (e.g. screws)
 - Long life-time: 50,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

For colour temperatures and tolerances see data sheet



Technical data

Beam characteristic	120°
Ambient temperature range	-25 ... +45 °C
tp rated	45 °C
tc	85 °C
I _{rated}	350 mA
I _{max}	660 mA
Max. permissible LF current ripple	860 mA
Max. permissible peak current	1,400 mA / max. 10 μs
Max. working voltage for insulation ²⁾	420 V
Insulation test voltage	1.84 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 1
Risk group (EN 62471:2008) ⁵⁾	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IPO0

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
QLE G2 520x246mm 2500lm 830 ADV-SE	89602961	3,000 K	20 pc(s).	0.185 kg
QLE G2 520x246mm 2500lm 840 ADV-SE	89602962	4,000 K	20 pc(s).	0.185 kg
QLE G2 520x246mm 2500lm 850 ADV-SE	89602963	5,000 K	20 pc(s).	0.185 kg
QLE G2 520x246mm 2500lm 865 ADV-SE	89602964	6,500 K	20 pc(s).	0.185 kg

Specific technical data

Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ²⁾	Typ. luminous flux at tp = 45 °C ³⁾	Typ. forward current	Min. forward voltage at tp = 45 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 45 °C ³⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 45 °C	Efficacy of the system at tp = 45 °C	Colour rendering index CRI
Operating mode HE at 300 mA											
QLE G2 520x246mm 2500lm 830 ADV-SE	830/359	1,960 lm	1,890 lm	300 mA	38.6 V	44.7 V	12.2 W	158 lm/W	155 lm/W	140 lm/W	> 80
QLE G2 520x246mm 2500lm 840 ADV-SE	840/359	2,100 lm	2,040 lm	300 mA	38.6 V	44.7 V	12.2 W	170 lm/W	167 lm/W	150 lm/W	> 80
QLE G2 520x246mm 2500lm 850 ADV-SE	850/359	2,100 lm	2,040 lm	300 mA	38.6 V	44.7 V	12.2 W	170 lm/W	167 lm/W	150 lm/W	> 80
QLE G2 520x246mm 2500lm 865 ADV-SE	865/359	2,080 lm	2,020 lm	300 mA	38.6 V	44.7 V	12.2 W	169 lm/W	165 lm/W	149 lm/W	> 80
Operating mode NM at 350 mA											
QLE G2 520x246mm 2500lm 830 ADV-SE	830/359	2,270 lm	2,200 lm	350 mA	39.1 V	45.2 V	14.4 W	155 lm/W	152 lm/W	137 lm/W	> 80
QLE G2 520x246mm 2500lm 840 ADV-SE	840/359	2,450 lm	2,370 lm	350 mA	39.1 V	45.2 V	14.4 W	167 lm/W	164 lm/W	148 lm/W	> 80
QLE G2 520x246mm 2500lm 850 ADV-SE	850/359	2,450 lm	2,370 lm	350 mA	39.1 V	45.2 V	14.4 W	167 lm/W	164 lm/W	148 lm/W	> 80
QLE G2 520x246mm 2500lm 865 ADV-SE	865/359	2,420 lm	2,340 lm	350 mA	39.1 V	45.2 V	14.4 W	166 lm/W	162 lm/W	146 lm/W	> 80
Operating mode HO at 525 mA											
QLE G2 520x246mm 2500lm 830 ADV-SE	830/359	3,240 lm	3,140 lm	525 mA	40.6 V	46.8 V	22.4 W	143 lm/W	140 lm/W	126 lm/W	> 80
QLE G2 520x246mm 2500lm 840 ADV-SE	840/359	3,500 lm	3,390 lm	525 mA	40.6 V	46.8 V	22.4 W	154 lm/W	150 lm/W	135 lm/W	> 80
QLE G2 520x246mm 2500lm 850 ADV-SE	850/359	3,500 lm	3,390 lm	525 mA	40.6 V	46.8 V	22.4 W	154 lm/W	150 lm/W	135 lm/W	> 80
QLE G2 520x246mm 2500lm 865 ADV-SE	865/359	3,460 lm	3,350 lm	525 mA	40.6 V	46.8 V	22.4 W	152 lm/W	149 lm/W	134 lm/W	> 80

¹⁾ Integral measurement over the complete module.

²⁾ If mounted with M4 screws.

³⁾ Tolerance range for optical and electrical data: ±10 %.

⁴⁾ HE ... high efficiency, BLO ... best lamp operation, HO ... high output.

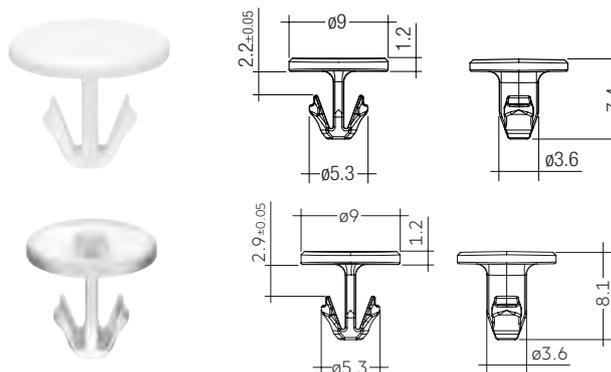
⁵⁾ Measured at Imax.

ACCESSORIES

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

¹⁾ Minimum sales quantity 500 pcs.



Module QLE G1 220mm ADV IND

Module QLE ADVANCED

Product description

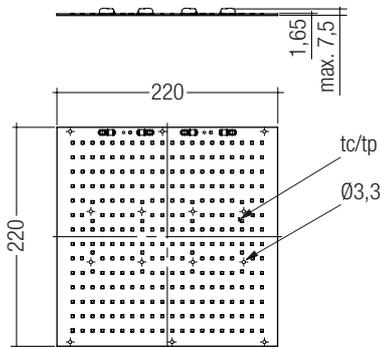
- LED modules for diffuse highbay applications
- Luminous flux: 26,000 lm per module
- Efficacy of the module up to 155 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)¹⁾
- Colour temperatures 4,000, 5,000 and 6,500 K
- Push-in terminals for simple and quick wiring
- Simple installation (e.g. screws)
- 5-year guarantee

→ For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

For colour temperatures and tolerances see data sheet



Technical data

Beam characteristic	120°
Ambient temperature range	-25 ... +45 °C
tp rated	65 °C
tc	85 °C
I _{rated}	1,050 mA
I _{max}	1,200 mA
Max. DC forward current	1,500 mA
Max. permissible LF current ripple	1,650 mA
Max. permissible peak current	4,000 mA / max. 10 ms
Max. working voltage for insulation ²⁾	500 V
Insulation test voltage	2 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (IEC 62471:2008) for 4,000 K ³⁾	RG0
Risk group (IEC 62471:2008) for 5,000 / 6,000 K ³⁾	RG2 (E _{thr} = 342 lx, RG1 at d = tbd cm)
Classification acc. to IEC 62031	Built-in
Type of protection	IPO0

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
QLE G1 220mm 26000lm 840 ADV IND	89602744	4,000 K	25 pc(s).	0.233 kg
QLE G1 220mm 26000lm 850 ADV IND	89602745	5,000 K	25 pc(s).	0.233 kg
QLE G1 220mm 26000lm 865 ADV IND	89602746	6,500 K	25 pc(s).	0.233 kg

Specific technical data

Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ⁵⁾	Typ. luminous flux at tp = 65 °C ⁵⁾	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ⁵⁾	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI
Operating mode HE at 700 mA											
QLE G1 220mm 26000lm 840 ADV IND	840/359	18,930 lm	18,020 lm	700 mA	75.5 V	84.1 V	55.1 W	166 lm/W	163 lm/W	147 lm/W	> 80
QLE G1 220mm 26000lm 850 ADV IND	850/359	19,350 lm	18,280 lm	700 mA	75.5 V	84.1 V	55.1 W	170 lm/W	166 lm/W	149 lm/W	> 80
QLE G1 220mm 26000lm 865 ADV IND	865/359	19,220 lm	18,150 lm	700 mA	75.5 V	84.1 V	55.1 W	168 lm/W	164 lm/W	148 lm/W	> 80
Operating mode NM at 1,050 mA											
QLE G1 220mm 26000lm 840 ADV IND	840/359	27,600 lm	26,270 lm	1,050 mA	78.5 V	87.3 V	85.9 W	155 lm/W	153 lm/W	138 lm/W	> 80
QLE G1 220mm 26000lm 850 ADV IND	850/359	28,210 lm	26,650 lm	1,050 mA	78.5 V	87.3 V	85.9 W	159 lm/W	155 lm/W	140 lm/W	> 80
QLE G1 220mm 26000lm 865 ADV IND	865/359	28,000 lm	26,450 lm	1,050 mA	78.5 V	87.3 V	85.9 W	158 lm/W	154 lm/W	139 lm/W	> 80
Operating mode HO at 1,200 mA											
QLE G1 220mm 26000lm 840 ADV IND	840/359	31,150 lm	29,650 lm	1,200 mA	79.8 V	88.6 V	99.7 W	151 lm/W	148 lm/W	133 lm/W	> 80
QLE G1 220mm 26000lm 850 ADV IND	850/359	31,780 lm	30,020 lm	1,200 mA	79.8 V	88.6 V	99.7 W	154 lm/W	150 lm/W	135 lm/W	> 80
QLE G1 220mm 26000lm 865 ADV IND	865/359	31,550 lm	29,800 lm	1,200 mA	79.8 V	88.6 V	99.7 W	153 lm/W	149 lm/W	134 lm/W	> 80

¹⁾ Integral measurement over the complete module.

²⁾ If mounted with M3 screws.

³⁾ Measured at operating mode HO.

⁴⁾ HE .. high efficiency, NM .. nominal mode, HO .. high output.

⁵⁾ Value for the whole module.

⁶⁾ Tolerance range for optical and electrical data: ±10 %.

⁷⁾ Value per channel (2 channels per module, see 3.2 Wiring).



NEW

Module QLE G1 471x462mm 5000lm SNC

Module QLE ESSENCE

Product description

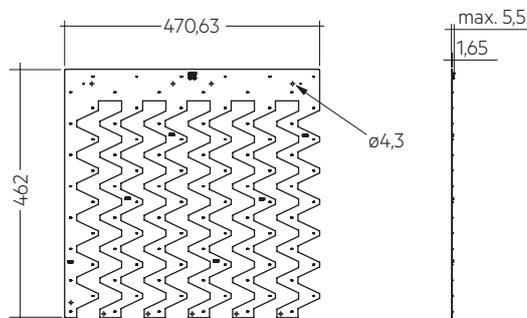
- Luminous flux: 5,000 lm per module
 - Square module – one module per luminaire
 - nonSELV (HV) and SELV (LV) variants
 - High colour rendering index CRI 80
 - Small colour tolerance (MacAdam 4)
 - Efficacy of the module up to 140 lm/W
 - Colour temperatures 3,000, 4,000, 5,000 and 6,500 K
 - Push terminals for quick and simple wiring of LED module
 - Simple installation (e.g. screws)
 - Long life-time: 50,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com,
or available on request

Technical data

Beam characteristic	150°
Ambient temperature range	-25 ... +45 °C
tp rated	45 °C
tc	85 °C
Irated for QLE G1 xxx HV SNC	250 mA
Irated for QLE G1 xxx LV SNC	1,000 mA
Imax for QLE G1 xxx HV SNC	250 mA
Imax for QLE G1 xxx LV SNC	1,050 mA
Max. DC forward current for QLE G1 xxx HV SNC	300 mA
Max. DC forward current for QLE G1 xxx LV SNC	1,200 mA
Max. permissible LF current ripple for QLE G1 xxx HV SNC	330 mA
Max. permissible LF current ripple for QLE G1 xxx LV SNC	1,320 mA
Max. permissible peak current for QLE G1 xxx HV SNC	400 mA / max. 10 µs
Max. permissible peak current for QLE G1 xxx LV SNC	1,600 mA / max. 10 µs
Max. working voltage for insulation ²⁾	500 V
Insulation test voltage	2 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (IEC 62471:2008) ³⁾	RG0
Classification acc. to IEC 62031	Built-in
Type of protection	IP00



Typical application



Ordering data

Type	Article number	Colour temperature	Packaging, carton ⁶⁾	Weight per pc.
nonSELV				
QLE G1 471x462mm 5000lm 830 HV SNC	89602704	3,000 K	10 pc(s).	0.32 kg
QLE G1 471x462mm 5000lm 840 HV SNC	89602705	4,000 K	10 pc(s).	0.32 kg
QLE G1 471x462mm 5000lm 850 HV SNC	89602706	5,000 K	10 pc(s).	0.32 kg
QLE G1 471x462mm 5000lm 865 HV SNC	89602707	6,500 K	10 pc(s).	0.32 kg
SELV				
QLE G1 471x462mm 5000lm 830 LV SNC	89602708	3,000 K	10 pc(s).	0.32 kg
QLE G1 471x462mm 5000lm 840 LV SNC	89602709	4,000 K	10 pc(s).	0.32 kg
QLE G1 471x462mm 5000lm 850 LV SNC	89602710	5,000 K	10 pc(s).	0.32 kg
QLE G1 471x462mm 5000lm 865 LV SNC	89602711	6,500 K	10 pc(s).	0.32 kg



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type ¹⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ⁵⁾	Typ. luminous flux at tp = 45 °C ⁵⁾	Typ. forward current	Min. forward voltage at tp = 45 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 45 °C ⁵⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 45 °C	Efficacy of the system at tp = 45 °C	Colour rendering index CRI
nonSELV – Operating mode HE at 200 mA											
QLE G1 471x462mm 5000lm 830 HV SNC	830/359	4,100 lm	3,980 lm	200 mA	137.9 V	155.1 V	29.1 W	139 lm/W	137 lm/W	123 lm/W	> 80
QLE G1 471x462mm 5000lm 840 HV SNC	840/359	4,100 lm	3,980 lm	200 mA	137.9 V	155.1 V	29.1 W	139 lm/W	137 lm/W	123 lm/W	> 80
QLE G1 471x462mm 5000lm 850 HV SNC	850/359	4,170 lm	4,050 lm	200 mA	137.9 V	155.1 V	29.1 W	141 lm/W	140 lm/W	126 lm/W	> 80
QLE G1 471x462mm 5000lm 865 HV SNC	865/359	4,170 lm	4,050 lm	200 mA	137.9 V	155.1 V	29.1 W	141 lm/W	140 lm/W	126 lm/W	> 80
nonSELV – Operating mode HO at 250 mA											
QLE G1 471x462mm 5000lm 830 HV SNC	830/359	5,000 lm	4,860 lm	250 mA	141.9 V	159.4 V	37.4 W	132 lm/W	130 lm/W	117 lm/W	> 80
QLE G1 471x462mm 5000lm 840 HV SNC	840/359	5,000 lm	4,860 lm	250 mA	141.9 V	159.4 V	37.4 W	132 lm/W	130 lm/W	117 lm/W	> 80
QLE G1 471x462mm 5000lm 850 HV SNC	850/359	5,090 lm	4,940 lm	250 mA	141.9 V	159.4 V	37.4 W	134 lm/W	133 lm/W	120 lm/W	> 80
QLE G1 471x462mm 5000lm 865 HV SNC	865/359	5,090 lm	4,940 lm	250 mA	141.9 V	159.4 V	37.4 W	134 lm/W	133 lm/W	120 lm/W	> 80
SELV – Operating mode HE at 900 mA											
QLE G1 471x462mm 5000lm 830 LV SNC	830/359	4,550 lm	4,410 lm	900 mA	34.9 V	39.3 V	33.1 W	134 lm/W	133 lm/W	120 lm/W	> 80
QLE G1 471x462mm 5000lm 840 LV SNC	840/359	4,550 lm	4,410 lm	900 mA	34.9 V	39.3 V	33.1 W	134 lm/W	133 lm/W	120 lm/W	> 80
QLE G1 471x462mm 5000lm 850 LV SNC	850/359	4,630 lm	4,490 lm	900 mA	34.9 V	39.3 V	33.1 W	137 lm/W	136 lm/W	122 lm/W	> 80
QLE G1 471x462mm 5000lm 865 LV SNC	865/359	4,630 lm	4,490 lm	900 mA	34.9 V	39.3 V	33.1 W	137 lm/W	136 lm/W	122 lm/W	> 80
SELV – Operating mode NM at 1,000 mA											
QLE G1 471x462mm 5000lm 830 LV SNC	830/359	5,000 lm	4,860 lm	1,000 mA	35.4 V	39.9 V	37.4 W	132 lm/W	130 lm/W	117 lm/W	> 80
QLE G1 471x462mm 5000lm 840 LV SNC	840/359	5,000 lm	4,860 lm	1,000 mA	35.4 V	39.9 V	37.4 W	132 lm/W	130 lm/W	117 lm/W	> 80
QLE G1 471x462mm 5000lm 850 LV SNC	850/359	5,090 lm	4,940 lm	1,000 mA	35.4 V	39.9 V	37.4 W	134 lm/W	133 lm/W	120 lm/W	> 80
QLE G1 471x462mm 5000lm 865 LV SNC	865/359	5,090 lm	4,940 lm	1,000 mA	35.4 V	39.9 V	37.4 W	134 lm/W	133 lm/W	120 lm/W	> 80
SELV – Operating mode HO at 1,050 mA											
QLE G1 471x462mm 5000lm 830 LV SNC	830/359	5,220 lm	5,070 lm	1,050 mA	35.7 V	40.1 V	39.5 W	130 lm/W	128 lm/W	115 lm/W	> 80
QLE G1 471x462mm 5000lm 840 LV SNC	840/359	5,220 lm	5,070 lm	1,050 mA	35.7 V	40.1 V	39.5 W	130 lm/W	128 lm/W	115 lm/W	> 80
QLE G1 471x462mm 5000lm 850 LV SNC	850/359	5,310 lm	5,160 lm	1,050 mA	35.7 V	40.1 V	39.5 W	132 lm/W	131 lm/W	119 lm/W	> 80
QLE G1 471x462mm 5000lm 865 LV SNC	865/359	5,310 lm	5,160 lm	1,050 mA	35.7 V	40.1 V	39.5 W	132 lm/W	131 lm/W	119 lm/W	> 80

¹⁾ Integral measurement over the complete module.

²⁾ If mounted with M4 screws and plastic washers.

³⁾ Measured at operating mode HO.

⁴⁾ HE ... high efficiency, NM ... nominal mode, HO ... high output.

⁵⁾ Tolerance range for optical and electrical data: ±10 %.

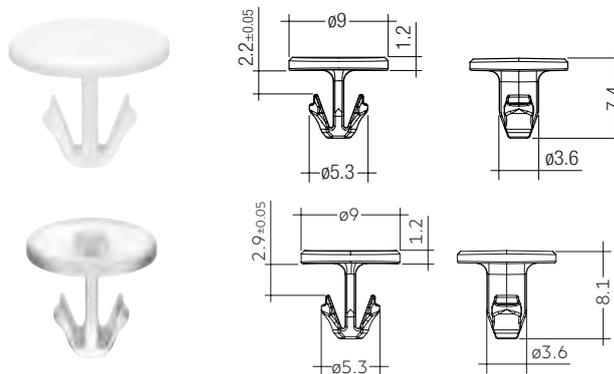
⁶⁾ Orders only in full carton quantities.

ACCESSORIES

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

¹⁾ Minimum sales quantity 500 pcs.



Module CLE Quadrant Lens G1 472-1032mm ADV

Module CLE ADVANCED

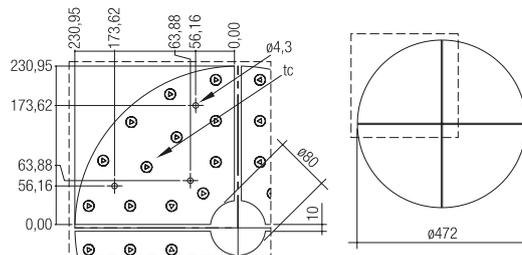
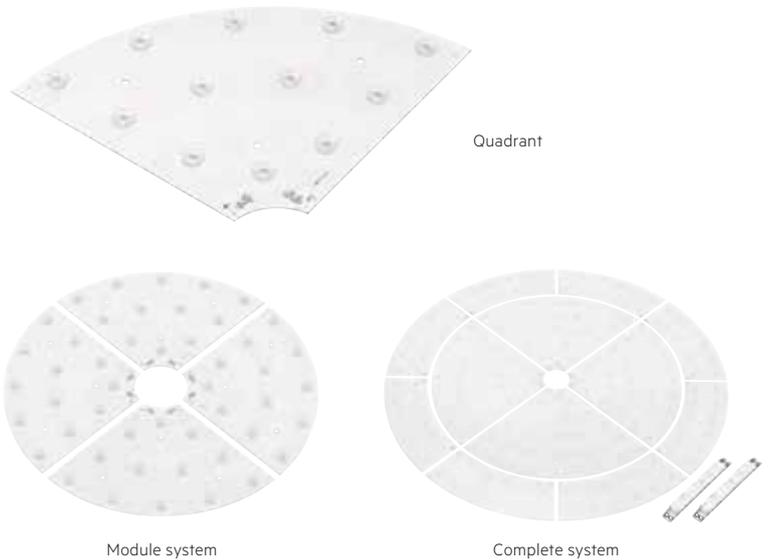
Product description

- Ideal for round shaped ceiling and pendant luminaires
- THE solution to realise XXL luminaires
- For uniform illumination of prestige areas or rooms designed to impress
- Designs consisting of 4 quadrants for 600 and 900 mm luminaire diameter and additional 8 ring segments for 1,200 mm luminaire diameter
- Lenses disperse the light of each individual light point which enables a perfect illumination
- Narrow diffuser distances possible
- Small colour tolerance (MacAdam 3)
- Colour temperatures 3,000 and 4,000 K
- Long life-time: 50,000 hours
- 5-year guarantee
- Perfect system solution with PREMIUM Ip drivers:
 - Ø600 mm: LCA 50W 100-400mA one4all Ip PRE (28000655);
 - Ø900 mm: LCA 75W 100-400mA one4all Ip PRE (28000657);
 - Ø1,200 mm: 2 x LCA 75W 100-400mA one4all Ip PRE (28000657)

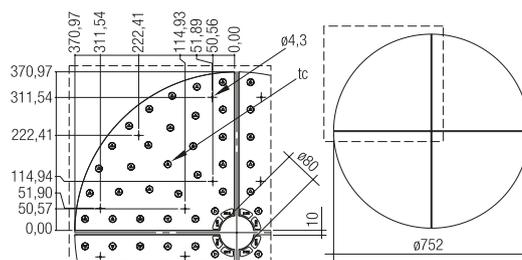
→ For product data sheet go to www.tridonic.com, or available on request

Technical data

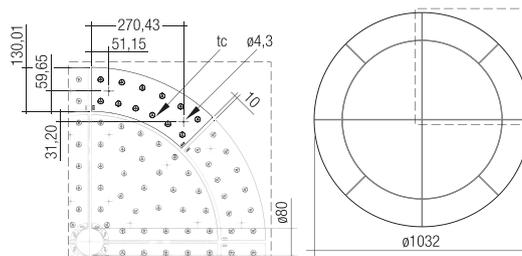
Beam characteristic	Butterfly
Ambient temperature range	-25 ... +45 °C
tp rated	45 °C
tc	85 °C
Max. DC forward current	500 mA
Max. permissible LF current ripple	550 mA
Max. permissible peak current	1,600 mA / max. 10 ms
Max. permissible output voltage of LED Driver ¹⁾	420 V
Insulation test voltage	1.84 kV
ESD classification	Severity level 4
Risk group (EN 62471:2008)	0
Type of protection	IP00



CLE Quadrant Lens G1 236mm 900lm ADV



CLE Quadrant Lens G1 376mm 2100lm ADV



CLE Quadrant Lens G1 376mm 2100lm ADV + CLE Wing Lens G1 516mm 900lm ADV



For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
CLE Quadrant Lens G1 236mm 900lm 830 ADV	28001207	3,000 K	24 pc(s).	0.13 kg
CLE Quadrant Lens G1 236mm 900lm 840 ADV	28001208	4,000 K	24 pc(s).	0.13 kg

Specific technical data

Type	Photo-metric code	Typ. luminous flux at tp = 25 °C ²⁾	Typ. luminous flux at tp = 45 °C ²⁾	Typ. forward current	Min. forward voltage at tp = 45 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 45 °C ²⁾	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 45 °C	Luminous efficacy system at tp = 45 °C	Colour rendering index CRI
Operating mode HE at 350 mA											
CLE Quadrant Lens G1 236mm 900lm 830 ADV	830/359	860 lm	840 lm	350 mA	16.4 V	18.4 V	6.2 W	136 lm/W	135 lm/W	120 lm/W	> 80
CLE Quadrant Lens G1 236mm 900lm 840 ADV	840/359	910 lm	890 lm	350 mA	16.4 V	18.4 V	6.2 W	144 lm/W	143 lm/W	127 lm/W	> 80
Operating mode BLO at 370 mA											
CLE Quadrant Lens G1 236mm 900lm 830 ADV	830/359	910 lm	890 lm	370 mA	16.5 V	18.5 V	6.6 W	135 lm/W	135 lm/W	120 lm/W	> 80
CLE Quadrant Lens G1 236mm 900lm 840 ADV	840/359	960 lm	940 lm	370 mA	16.5 V	18.5 V	6.6 W	143 lm/W	142 lm/W	126 lm/W	> 80
Operating mode BLO at 375 mA											
CLE Quadrant Lens G1 236mm 900lm 830 ADV	830/359	920 lm	900 lm	375 mA	16.5 V	18.5 V	6.7 W	135 lm/W	134 lm/W	119 lm/W	> 80
CLE Quadrant Lens G1 236mm 900lm 840 ADV	840/359	970 lm	950 lm	375 mA	16.5 V	18.5 V	6.7 W	142 lm/W	141 lm/W	125 lm/W	> 80
Operating mode HO at 450 mA											
CLE Quadrant Lens G1 236mm 900lm 830 ADV	830/359	1,085 lm	1,060 lm	450 mA	16.8 V	18.8 V	8.2 W	130 lm/W	129 lm/W	114 lm/W	> 80
CLE Quadrant Lens G1 236mm 900lm 840 ADV	840/359	1,150 lm	1,130 lm	450 mA	16.8 V	18.8 V	8.2 W	138 lm/W	137 lm/W	121 lm/W	> 80

¹⁾ If mounted with M4 screws.

²⁾ Tolerance range for optical and electrical data: ±10 %.



NEW

Module CLE Quadrant G3 ADV

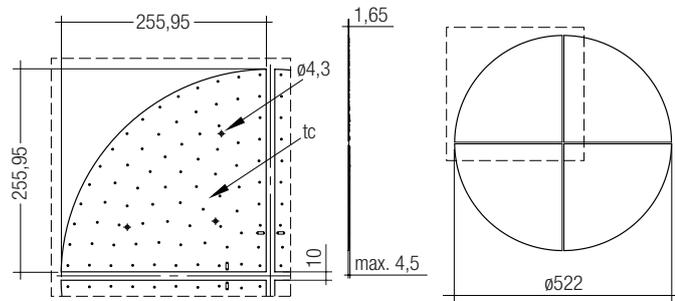
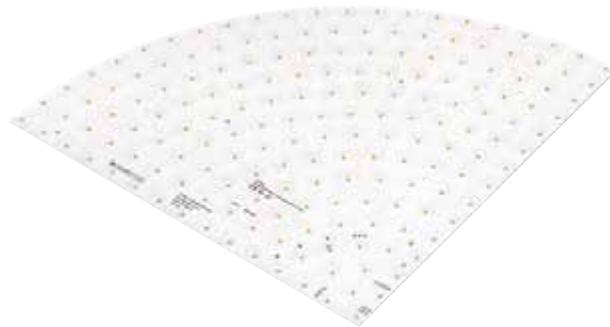
Module CLE ADVANCED

Product description

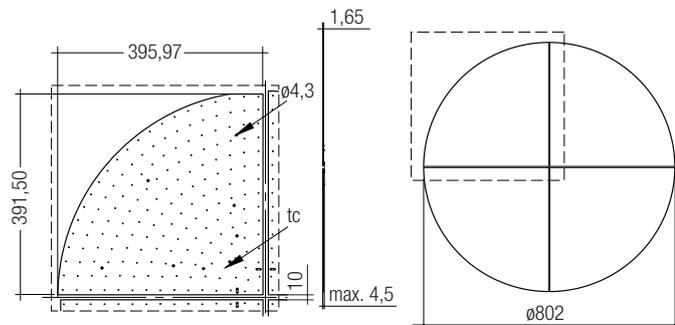
- Ideal for round shaped and flat ceiling and pendant luminaires
 - THE solution to realise XXL luminaires
 - For uniform illumination of prestige areas or rooms designed to impress
 - High Output and High Efficiency Mode enables more flexibility on luminarie design
 - Narrow diffuser distances possible
 - Self-cooling (no additional heat sink required)
 - Small colour tolerance (MacAdam 3)¹⁾
 - Colour temperatures 3,000 and 4,000 K
 - Long life-time: 50,000 hours
 - 5-year guarantee
 - Perfect system solution with PREMIUM Ip drivers
- For product data sheet go to www.tridonic.com, or available on request

Technical data

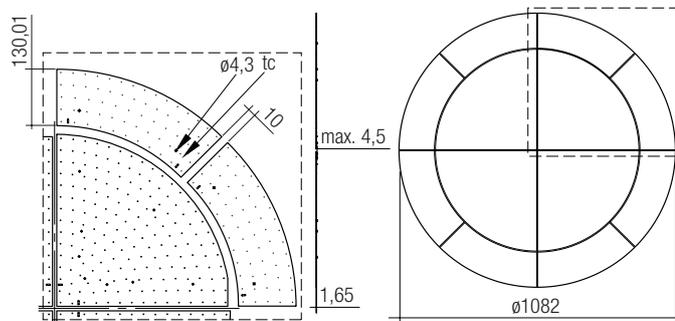
Beam characteristic	120°
Ambient temperature range	-25 ... +45 °C
tp rated	45 °C
tc	85 °C
Irated for CLE Quadrant G3 261mm	225 mA
Irated for CLE Quadrant G3 401mm	450 mA
Irated for CLE Quadrant G3 541mm	250 mA
I _{max} for CLE Quadrant G3 261mm	1,200 mA
I _{max} for CLE Quadrant G3 401mm	2,800mA
I _{max} for CLE Quadrant G3 541mm	1,400 mA
Max. permissible LF current ripple for CLE Quadrant G3 261mm	1,320 mA
Max. permissible LF current ripple for CLE Quadrant G3 401mm	3,080 mA
Max. permissible LF current ripple for CLE Quadrant G3 541mm	1,540 mA
Max. permissible peak current for CLE Quadrant G3 261mm	1,680 mA / max. 10 ms
Max. permissible peak current for CLE Quadrant G3 401mm	3,840 mA / max. 10 ms
Max. permissible peak current for CLE Quadrant G3 541mm	1,920 mA / max. 10 ms
Max. working voltage for insulation ²⁾	300 V
Insulation test voltage	1.6 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (EN 62471:2008) ³⁾	RG0
Classification acc. to IEC 62031	Built-in
Type of protection	IPO0



CLE Quadrant G2 261mm 1200lm ADV



CLE Quadrant Lens G2 401mm 2500lm ADV



CLE Quadrant G2 401mm 2500lm ADV + CLE Quadrant G2 541mm 1000lm ADV



For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
CLE Quadrant G3 261mm 1200lm 830 ADV	89603016	3,000 K	80 pc(s).	0.170 kg
CLE Quadrant G3 261mm 1200m 840 ADV	89603017	4,000 K	80 pc(s).	0.170 kg
CLE Quadrant G3 401mm 2500lm 830 ADV	89603018	3,000 K	20 pc(s).	0.400 kg
CLE Quadrant G3 401mm 2500lm 840 ADV	89603019	4,000 K	20 pc(s).	0.400 kg
CLE Quadrant G3 541mm 1000lm 830 ADV	89603020	3,000 K	40 pc(s).	0.146 kg
CLE Quadrant G3 541mm 1000lm 840 ADV	89603021	4,000 K	40 pc(s).	0.146 kg

Specific technical data

Type ⁵⁾	Photo-metric code	Typ. luminous flux at tp = 25 °C ⁴⁾	Typ. luminous flux at tp = 45 °C ⁴⁾	Typ. forward current	Min. forward voltage at tp = 45 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 45 °C ⁴⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 45 °C	Efficacy of the system at tp = 45 °C	Colour rendering index CRI
Operating mode HE											
CLE Quadrant G3 261mm 1200lm 830 ADV	830/359	1,280 lm	1,200 lm	225 mA	28.3 V	31.8 V	6.7 W	180 lm/W	178 lm/W	160 lm/W	> 80
CLE Quadrant G3 261mm 1200m 840 ADV	840/359	1,350 lm	1,260 lm	225 mA	28.3 V	31.8 V	6.7 W	189 lm/W	187 lm/W	168 lm/W	> 80
CLE Quadrant G3 401mm 2500lm 830 ADV	830/359	2,580 lm	2,420 lm	450 mA	27.8 V	31.3 V	13.2 W	185 lm/W	183 lm/W	165 lm/W	> 80
CLE Quadrant G3 401mm 2500lm 840 ADV	840/359	2,720 lm	2,530 lm	450 mA	27.8 V	31.3 V	13.2 W	193 lm/W	191 lm/W	172 lm/W	> 80
CLE Quadrant G3 541mm 1000lm 830 ADV	830/359	1,040 lm	970 lm	250 mA	20.5 V	23.1 V	5.4 W	182 lm/W	178 lm/W	160 lm/W	> 80
CLE Quadrant G3 541mm 1000lm 840 ADV	840/359	1,090 lm	1,020 lm	250 mA	20.5 V	23.1 V	5.4 W	189 lm/W	188 lm/W	169 lm/W	> 80
Operating mode HO											
CLE Quadrant G3 261mm 1200lm 830 ADV	830/359	1,890 lm	1,840 lm	350 mA	28.8 V	32.4 V	10.6 W	175 lm/W	172 lm/W	155 lm/W	> 80
CLE Quadrant G3 261mm 1200m 840 ADV	840/359	1,980 lm	1,930 lm	350 mA	28.8 V	32.4 V	10.6 W	183 lm/W	181 lm/W	163 lm/W	> 80
CLE Quadrant G3 401mm 2500lm 830 ADV	830/359	3,920 lm	3,820 lm	725 mA	28.6 V	32.2 V	21.9 W	176 lm/W	174 lm/W	157 lm/W	> 80
CLE Quadrant G3 401mm 2500lm 840 ADV	840/359	4,100 lm	4,000 lm	725 mA	28.6 V	32.2 V	21.9 W	184 lm/W	182 lm/W	164 lm/W	> 80
CLE Quadrant G3 541mm 1000lm 830 ADV	830/359	1,470 lm	1,430 lm	375 mA	20.9 V	23.5 V	8.3 W	175 lm/W	173 lm/W	156 lm/W	> 80
CLE Quadrant G3 541mm 1000lm 840 ADV	840/359	1,150 lm	1,130 lm	450 mA	16.8 V	18.8 V	8.2 W	138 lm/W	137 lm/W	121 lm/W	> 80

¹⁾ Integral measurement over the complete module.

²⁾ If mounted with M4 screws.

³⁾ Measured at operating mode HO.

⁴⁾ Tolerance range for optical and electrical data: ±10 %.

⁵⁾ HE ... high efficiency, HO ... high output.

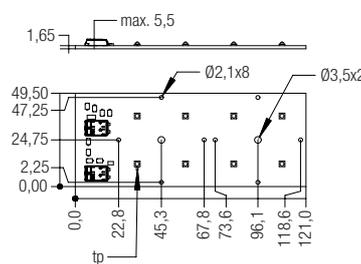


Module RLE G1 EXC OTD

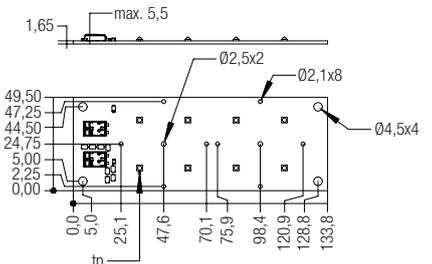
Module RLE EXCITE

Product description

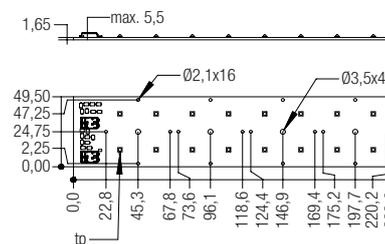
- High efficiency outdoor modules
 - Suitable for harsh and humid outdoor conditions
 - Tested acc. to salt spray test (IEC 60068-2-25) and harmful gas test (GR-1217-CORE)
 - Huge performance temperature range from -40 ... +105 °C
 - Suitable for standard lenses
 - Efficacy of the module up to 154 lm/W at 700 mA (nominal operation)
 - Two colour rendering index to fit the application: CRI > 70 high efficiency, CRI > 80 for high colour rendering
 - Small luminous flux tolerances¹⁾
 - Colour temperatures: CRI 70 available in 3,000, 4,000 and 5,000 K (5,700 and 6,500 K on request) and CRI 80 available in 3,000, 4,000 and 5,000 K
 - Integrated protection:
 - PL0 ... NTC and polarity protection,
 - PL1 ... Shunts, NTC and polarity protection
 - Surge tested (+/- to earth):
 - PL0 ... 3 kV,
 - PL1 ... 4 kV
 - Push-in terminals for simple and quick wiring
 - Simple installation (e.g. screws)
 - Long life-time up to 100,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



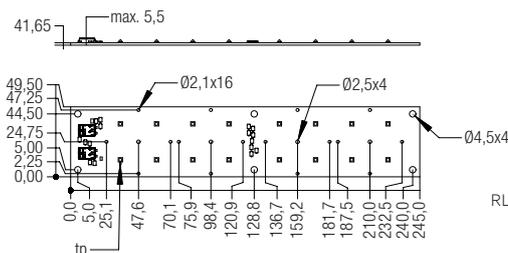
RLE G1 49x121mm 2000lm xxx EXC OTD



RLE G1 49x133mm 2000lm xxx EXC OTD



RLE G1 49x223mm 4000lm xxx EXC OTD



RLE G1 49x245mm 4000lm xxx EXC OTD



For standards see data sheet

For colour temperatures and tolerances see data sheet

Technical data

Beam characteristic	120°
Ambient temperature range	-40 ... +75 °C
tp rated	75 °C
tc	105 °C
Imax	1,200 mA
Max. DC forward current	1,400 mA
Max. permissible LF current ripple	1,800 mA
Max. permissible peak current	2,000 mA / max. 10 µs
Max. working voltage for insulation ²⁾	400 V
Insulation test voltage	1.8 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (EN 62471:2008) ³⁾	RG2 (Ethr = 767 lx, RG1 at d ≥ 50 cm)
Classification acc. to IEC 62031	Built-in
Type of protection	IP00

Ordering data

Type	Article number ⁴⁾	Colour temperature	Packaging, carton	Weight per pc.
RLE G1 49x121mm 2000lm 730 PLO EXC OTD	89602500	3,000 K	46 pc(s).	0.027 kg
RLE G1 49x121mm 2000lm 730 PL1 EXC OTD	89602501	3,000 K	46 pc(s).	0.027 kg
RLE G1 49x121mm 2000lm 740 PLO EXC OTD	89602502	4,000 K	46 pc(s).	0.027 kg
RLE G1 49x121mm 2000lm 740 PL1 EXC OTD	89602503	4,000 K	46 pc(s).	0.027 kg
RLE G1 49x121mm 2000lm 830 PLO EXC OTD	89602550	3,000 K	46 pc(s).	0.027 kg
RLE G1 49x121mm 2000lm 830 PL1 EXC OTD	89602551	3,000 K	46 pc(s).	0.027 kg
RLE G1 49x121mm 2000lm 840 PLO EXC OTD	89602552	4,000 K	46 pc(s).	0.027 kg
RLE G1 49x121mm 2000lm 840 PL1 EXC OTD	89602553	4,000 K	46 pc(s).	0.027 kg
RLE G1 49x133mm 2000lm 730 PLO EXC OTD	89602504	3,000 K	50 pc(s).	0.030 kg
RLE G1 49x133mm 2000lm 730 PL1 EXC OTD	89602505	3,000 K	50 pc(s).	0.030 kg
RLE G1 49x133mm 2000lm 740 PLO EXC OTD	89602506	4,000 K	50 pc(s).	0.030 kg
RLE G1 49x133mm 2000lm 740 PL1 EXC OTD	89602507	4,000 K	50 pc(s).	0.030 kg
RLE G1 49x133mm 2000lm 830 PLO EXC OTD	89602554	3,000 K	50 pc(s).	0.030 kg
RLE G1 49x133mm 2000lm 830 PL1 EXC OTD	89602555	3,000 K	50 pc(s).	0.030 kg
RLE G1 49x133mm 2000lm 840 PLO EXC OTD	89602556	4,000 K	50 pc(s).	0.030 kg
RLE G1 49x133mm 2000lm 840 PL1 EXC OTD	89602557	4,000 K	50 pc(s).	0.030 kg
RLE G1 49x223mm 4000lm 730 PLO EXC OTD	89602508	3,000 K	88 pc(s).	0.050 kg
RLE G1 49x223mm 4000lm 730 PL1 EXC OTD	89602509	3,000 K	88 pc(s).	0.050 kg
RLE G1 49x223mm 4000lm 740 PLO EXC OTD	89602510	4,000 K	88 pc(s).	0.050 kg
RLE G1 49x223mm 4000lm 740 PL1 EXC OTD	89602511	4,000 K	88 pc(s).	0.050 kg
RLE G1 49x223mm 4000lm 750 PL1 EXC OTD	89602517	5,000 K	88 pc(s).	0.050 kg
RLE G1 49x223mm 4000lm 830 PLO EXC OTD	89602558	3,000 K	88 pc(s).	0.050 kg
RLE G1 49x223mm 4000lm 830 PL1 EXC OTD	89602559	3,000 K	88 pc(s).	0.050 kg
RLE G1 49x223mm 4000lm 840 PLO EXC OTD	89602560	4,000 K	88 pc(s).	0.050 kg
RLE G1 49x223mm 4000lm 840 PL1 EXC OTD	89602561	4,000 K	88 pc(s).	0.050 kg
RLE G1 49x245mm 4000lm 730 PLO EXC OTD	89602512	3,000 K	96 pc(s).	0.054 kg
RLE G1 49x245mm 4000lm 730 PL1 EXC OTD	89602513	3,000 K	96 pc(s).	0.054 kg
RLE G1 49x245mm 4000lm 740 PLO EXC OTD	89602514	4,000 K	96 pc(s).	0.054 kg
RLE G1 49x245mm 4000lm 740 PL1 EXC OTD	89602515	4,000 K	96 pc(s).	0.054 kg
RLE G1 49x245mm 4000lm 765 PL1 EXC OTD	89602516	6,500 K	96 pc(s).	0.054 kg
RLE G1 49x245mm 4000lm 830 PLO EXC OTD	89602562	3,000 K	96 pc(s).	0.054 kg
RLE G1 49x245mm 4000lm 830 PL1 EXC OTD	89602563	3,000 K	96 pc(s).	0.054 kg
RLE G1 49x245mm 4000lm 840 PLO EXC OTD	89602564	4,000 K	96 pc(s).	0.054 kg
RLE G1 49x245mm 4000lm 840 PL1 EXC OTD	89602565	4,000 K	96 pc(s).	0.054 kg
RLE G1 49x245mm 4000lm 850 PL1 EXC OTD	89602566	5,000 K	96 pc(s).	0.054 kg

Specific technical data

Type	Photo-metric code	Typ. luminous flux at tp = 25 °C ⁵⁾	Typ. luminous flux at tp = 75 °C ⁵⁾	Typ. forward current	Min. forward voltage at tp = 75 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 75 °C ⁵⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 75 °C	Efficacy of the system at tp = 75 °C	Colour rendering index CRI
RLE G1 49x121mm 2000lm											
RLE G1 49x121mm 2000lm 730 PLO EXC OTD	730/459	2,350 lm	2,260 lm	700 mA	21.8 V	24.9 V	16.0 W	144 lm/W	143 lm/W	132 lm/W	> 70
RLE G1 49x121mm 2000lm 730 PL1 EXC OTD	730/459	2,350 lm	2,260 lm	700 mA	21.8 V	24.9 V	16.0 W	144 lm/W	143 lm/W	132 lm/W	> 70
RLE G1 49x121mm 2000lm 740 PLO EXC OTD	740/459	2,370 lm	2,270 lm	700 mA	21.8 V	24.9 V	16.0 W	143 lm/W	142 lm/W	128 lm/W	> 70
RLE G1 49x121mm 2000lm 740 PL1 EXC OTD	740/459	2,370 lm	2,270 lm	700 mA	21.8 V	24.9 V	16.0 W	143 lm/W	142 lm/W	128 lm/W	> 70
RLE G1 49x121mm 2000lm 830 PLO EXC OTD	830/459	2,080 lm	1,990 lm	700 mA	21.8 V	24.9 V	16.0 W	128 lm/W	126 lm/W	116 lm/W	> 80
RLE G1 49x121mm 2000lm 830 PL1 EXC OTD	830/459	2,080 lm	1,990 lm	700 mA	21.8 V	24.9 V	16.0 W	128 lm/W	126 lm/W	116 lm/W	> 80
RLE G1 49x121mm 2000lm 840 PLO EXC OTD	840/459	2,220 lm	2,120 lm	700 mA	21.8 V	24.9 V	16.0 W	136 lm/W	134 lm/W	123 lm/W	> 80
RLE G1 49x121mm 2000lm 840 PL1 EXC OTD	840/459	2,220 lm	2,120 lm	700 mA	21.8 V	24.9 V	16.0 W	136 lm/W	134 lm/W	123 lm/W	> 80
RLE G1 49x133mm 2000lm											
RLE G1 49x133mm 2000lm 730 PLO EXC OTD	730/459	2,350 lm	2,260 lm	700 mA	21.8 V	24.9 V	16.0 W	144 lm/W	143 lm/W	132 lm/W	> 70
RLE G1 49x133mm 2000lm 730 PL1 EXC OTD	730/459	2,350 lm	2,260 lm	700 mA	21.8 V	24.9 V	16.0 W	144 lm/W	143 lm/W	132 lm/W	> 70
RLE G1 49x133mm 2000lm 740 PLO EXC OTD	740/459	2,370 lm	2,270 lm	700 mA	21.8 V	24.9 V	16.0 W	143 lm/W	142 lm/W	128 lm/W	> 70
RLE G1 49x133mm 2000lm 740 PL1 EXC OTD	740/459	2,370 lm	2,270 lm	700 mA	21.8 V	24.9 V	16.0 W	143 lm/W	142 lm/W	128 lm/W	> 70
RLE G1 49x133mm 2000lm 830 PLO EXC OTD	830/459	2,080 lm	1,990 lm	700 mA	21.8 V	24.9 V	16.0 W	128 lm/W	126 lm/W	116 lm/W	> 80
RLE G1 49x133mm 2000lm 830 PL1 EXC OTD	830/459	2,080 lm	1,990 lm	700 mA	21.8 V	24.9 V	16.0 W	128 lm/W	126 lm/W	116 lm/W	> 80
RLE G1 49x133mm 2000lm 840 PLO EXC OTD	840/459	2,220 lm	2,120 lm	700 mA	21.8 V	24.9 V	16.0 W	136 lm/W	134 lm/W	123 lm/W	> 80
RLE G1 49x133mm 2000lm 840 PL1 EXC OTD	840/459	2,220 lm	2,120 lm	700 mA	21.8 V	24.9 V	16.0 W	136 lm/W	134 lm/W	123 lm/W	> 80
RLE G1 49x223mm 4000lm											
RLE G1 49x223mm 4000lm 730 PLO EXC OTD	730/459	4,700 lm	4,510 lm	700 mA	43.6 V	49.8 V	32.1 W	144 lm/W	143 lm/W	132 lm/W	> 70
RLE G1 49x223mm 4000lm 730 PL1 EXC OTD	730/459	4,700 lm	4,510 lm	700 mA	43.6 V	49.8 V	32.1 W	144 lm/W	143 lm/W	132 lm/W	> 70
RLE G1 49x223mm 4000lm 740 PLO EXC OTD	740/459	4,730 lm	4,540 lm	700 mA	43.6 V	49.8 V	32.1 W	143 lm/W	142 lm/W	128 lm/W	> 70
RLE G1 49x223mm 4000lm 740 PL1 EXC OTD	740/459	4,730 lm	4,540 lm	700 mA	43.6 V	49.8 V	32.1 W	143 lm/W	142 lm/W	128 lm/W	> 70
RLE G1 49x223mm 4000lm 750 PL1 EXC OTD	750/459	5,070 lm	4,870 lm	700 mA	43.6 V	49.8 V	32.1 W	155 lm/W	154 lm/W	139 lm/W	> 70
RLE G1 49x223mm 4000lm 830 PLO EXC OTD	830/459	4,170 lm	3,970 lm	700 mA	43.6 V	49.8 V	32.1 W	128 lm/W	126 lm/W	116 lm/W	> 80
RLE G1 49x223mm 4000lm 830 PL1 EXC OTD	830/459	4,170 lm	3,970 lm	700 mA	43.6 V	49.8 V	32.1 W	128 lm/W	126 lm/W	116 lm/W	> 80
RLE G1 49x223mm 4000lm 840 PLO EXC OTD	840/459	4,440 lm	4,240 lm	700 mA	43.6 V	49.8 V	32.1 W	136 lm/W	134 lm/W	123 lm/W	> 80
RLE G1 49x223mm 4000lm 840 PL1 EXC OTD	840/459	4,440 lm	4,240 lm	700 mA	43.6 V	49.8 V	32.1 W	136 lm/W	134 lm/W	123 lm/W	> 80
RLE G1 49x245mm 4000lm											
RLE G1 49x245mm 4000lm 730 PLO EXC OTD	730/459	4,700 lm	4,510 lm	700 mA	43.6 V	49.8 V	32.1 W	144 lm/W	143 lm/W	132 lm/W	> 70
RLE G1 49x245mm 4000lm 730 PL1 EXC OTD	730/459	4,700 lm	4,510 lm	700 mA	43.6 V	49.8 V	32.1 W	144 lm/W	143 lm/W	132 lm/W	> 70
RLE G1 49x245mm 4000lm 740 PLO EXC OTD	740/459	4,730 lm	4,540 lm	700 mA	43.6 V	49.8 V	32.1 W	143 lm/W	142 lm/W	128 lm/W	> 70
RLE G1 49x245mm 4000lm 740 PL1 EXC OTD	740/459	4,730 lm	4,540 lm	700 mA	43.6 V	49.8 V	32.1 W	143 lm/W	142 lm/W	128 lm/W	> 70
RLE G1 49x245mm 4000lm 765 PL1 EXC OTD	765/459	5,020 lm	4,820 lm	700 mA	43.6 V	49.8 V	32.1 W	154 lm/W	152 lm/W	140 lm/W	> 70
RLE G1 49x245mm 4000lm 830 PLO EXC OTD	830/459	4,170 lm	3,970 lm	700 mA	43.6 V	49.8 V	32.1 W	128 lm/W	126 lm/W	116 lm/W	> 80
RLE G1 49x245mm 4000lm 830 PL1 EXC OTD	830/459	4,170 lm	3,970 lm	700 mA	43.6 V	49.8 V	32.1 W	128 lm/W	126 lm/W	116 lm/W	> 80
RLE G1 49x245mm 4000lm 840 PLO EXC OTD	840/459	4,440 lm	4,240 lm	700 mA	43.6 V	49.8 V	32.1 W	136 lm/W	134 lm/W	123 lm/W	> 80
RLE G1 49x245mm 4000lm 840 PL1 EXC OTD	840/459	4,440 lm	4,240 lm	700 mA	43.6 V	49.8 V	32.1 W	136 lm/W	134 lm/W	123 lm/W	> 80
RLE G1 49x245mm 4000lm 850 PL1 EXC OTD	850/459	4,510 lm	4,300 lm	700 mA	43.6 V	49.8 V	32.1 W	138 lm/W	136 lm/W	125 lm/W	> 80

¹⁾ Integral measurement over the complete module.²⁾ If mounted with M3 or M4 screws.³⁾ Measured at 700 mA.⁴⁾ Make to order except 89602510, 89602550, 89602552, 89602558 and 89602560. 5,700 K and 6,500 K CRI = 70 variants on request.⁵⁾ Tolerance range for optical and electrical data: ±10 %.



Module LLE FLEX G1 8mm EXC

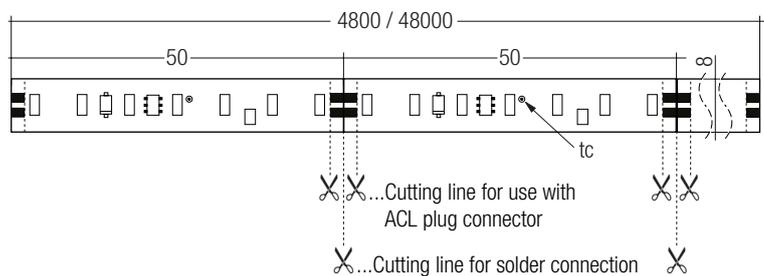
Module LLE FLEX EXCITE

Product description

- Dimmable 24 V constant voltage stripe (SELV)
- Ideal for application on aluminum extrusions but also for various decorative lighting applications such as cove lighting, façade accent lighting etc.

Features and benefits

- Extremely narrow pitch distance enables short distance to diffuser and outstanding homogeneity
 - Small colour tolerance (MacAdam 3), CRI 90
 - Luminous flux range of 600, 1,200, 1,800 and 2,500 lm/m
 - Colour temperature 2,700, 3,000, 4,000 and 6,500 K with SDCM 3¹⁾
 - High design freedom due to 5 cm cut-options
 - Self-adhesive 3M tape at the backside for simple mounting on different surfaces
 - PCB to PCB and wire to PCB connectors for toolless handling and connection
 - Small colour tolerance (MacAdam 3)
 - Life-time of 50,000 hours
 - 5-year guarantee
 - System solution in combination with Tridonic constant voltage LED Driver (fixed output and dimmable)
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Beam characteristic	120°
Ambient temperature range	-35 ... +50 °C
tp rated	65 °C
tc	75 °C
Supply voltage DC	24 V
Supply voltage range DC ²⁾	21.5 – 26.4 V
Insulation test voltage	0.5 kV
ESD classification	Severity level 1
Risk group (EN 62471:2008)	0
Classification acc. to IEC 62031	Built-in
Type of protection	IP00



For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
4,800 mm roll				
LLE FLEX G1 8x4800 6W-600lm/m 927 EXC	87500524	2,700 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 6W-600lm/m 930 EXC	87500525	3,000 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 6W-600lm/m 940 EXC	87500526	4,000 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 6W-600lm/m 965 EXC	87500527	6,500 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 11W-1200lm/m 927 EXC	87500528	2,700 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 11W -1200lm/m 930 EXC	87500529	3,000 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 11W -1200lm/m 940 EXC	87500530	4,000 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 11W -1200lm/m 965 EXC	87500531	6,500 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 18W-1800lm/m 927 EXC	87500532	2,700 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 18W-1800lm/m 930 EXC	87500533	3,000 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 16W-1800lm/m 940 EXC	87500534	4,000 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 16W-1800lm/m 965 EXC	87500535	6,500 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 26W-2500lm/m 927 EXC	87500536	2,700 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 26W-2500lm/m 930 EXC	87500537	3,000 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 23W-2500lm/m 940 EXC	87500538	4,000 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 23W-2500lm/m 965 EXC	87500539	6,500 K	15 pc(s).	0.055 kg
48,000 mm roll				
LLE FLEX G1 8x48000 11W-1200lm/m 927 EXC	87500540	2,700 K	5 pc(s).	0.500 kg
LLE FLEX G1 8x48000 11W-1200lm/m 930 EXC	87500541	3,000 K	5 pc(s).	0.500 kg
LLE FLEX G1 8x48000 11W-1200lm/m 940 EXC	87500542	4,000 K	5 pc(s).	0.500 kg
LLE FLEX G1 8x48000 18W-1800lm/m 927 EXC	87500556	2,700 K	5 pc(s).	0.500 kg
LLE FLEX G1 8x48000 18W-1800lm/m 930 EXC	87500557	3,000 K	5 pc(s).	0.500 kg
LLE FLEX G1 8x48000 16W-1800lm/m 940 EXC	87500558	4,000 K	5 pc(s).	0.500 kg
LLE FLEX G1 8x48000 26W-2500lm/m 927 EXC	87500543	2,700 K	5 pc(s).	0.500 kg
LLE FLEX G1 8x48000 26W-2500lm/m 930 EXC	87500544	3,000 K	5 pc(s).	0.500 kg
LLE FLEX G1 8x48000 23W-2500lm/m 940 EXC	87500545	4,000 K	5 pc(s).	0.500 kg

Specific technical data

Type	Photometric code	Typ. luminous flux at tp = 25 °C ³⁾	Typ. luminous flux at tp = 65 °C ³⁾	Typ. current consumption at tp = 65 °C ³⁾	Typ. power consumption at tp = 65 °C ³⁾	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Colour rendering index CRI
4,800 mm roll								
LLE FLEX G1 8x4800 6W-600lm/m 927 EXC	927/xxx	670 lm/m	600 lm/m	256 mA/m	6.2 W/m	100 lm/W	90 lm/W	> 90
LLE FLEX G1 8x4800 6W-600lm/m 930 EXC	930/xxx	670 lm/m	600 lm/m	256 mA/m	6.2 W/m	100 lm/W	90 lm/W	> 90
LLE FLEX G1 8x4800 6W-600lm/m 940 EXC	940/xxx	685 lm/m	615 lm/m	236 mA/m	5.6 W/m	111 lm/W	100 lm/W	> 90
LLE FLEX G1 8x4800 6W-600lm/m 965 EXC	965/xxx	685 lm/m	615 lm/m	236 mA/m	5.6 W/m	111 lm/W	100 lm/W	> 90
LLE FLEX G1 8x4800 11W-1200lm/m 927 EXC	927/xxx	1,320 lm/m	1,190 lm/m	470 mA/m	11.2 W/m	107 lm/W	96 lm/W	> 90
LLE FLEX G1 8x4800 11W -1200lm/m 930 EXC	930/xxx	1,320 lm/m	1,190 lm/m	470 mA/m	11.2 W/m	107 lm/W	96 lm/W	> 90
LLE FLEX G1 8x4800 11W -1200lm/m 940 EXC	940/xxx	1,360 lm/m	1,220 lm/m	446 mA/m	10.8 W/m	116 lm/W	105 lm/W	> 90
LLE FLEX G1 8x4800 11W -1200lm/m 965 EXC	965/xxx	1,360 lm/m	1,220 lm/m	446 mA/m	10.8 W/m	116 lm/W	105 lm/W	> 90
LLE FLEX G1 8x4800 18W-1800lm/m 927 EXC	927/xxx	1,960 lm/m	1,770 lm/m	751 mA/m	18.0 W/m	100 lm/W	90 lm/W	> 90
LLE FLEX G1 8x4800 18W-1800lm/m 930 EXC	930/xxx	1,960 lm/m	1,770 lm/m	751 mA/m	18.0 W/m	100 lm/W	90 lm/W	> 90
LLE FLEX G1 8x4800 16W-1800lm/m 940 EXC	940/xxx	1,980 lm/m	1,780 lm/m	662 mA/m	15.8 W/m	114 lm/W	103 lm/W	> 90
LLE FLEX G1 8x4800 16W-1800lm/m 965 EXC	965/xxx	1,980 lm/m	1,780 lm/m	662 mA/m	15.8 W/m	114 lm/W	103 lm/W	> 90
LLE FLEX G1 8x4800 26W-2500lm/m 927 EXC	927/xxx	2,750 lm/m	2,470 lm/m	1,120 mA/m	26.0 W/m	94 lm/W	85 lm/W	> 90
LLE FLEX G1 8x4800 26W-2500lm/m 930 EXC	930/xxx	2,750 lm/m	2,470 lm/m	1,120 mA/m	26.0 W/m	94 lm/W	85 lm/W	> 90
LLE FLEX G1 8x4800 23W-2500lm/m 940 EXC	940/xxx	2,720 lm/m	2,440 lm/m	944 mA/m	22.6 W/m	110 lm/W	99 lm/W	> 90
LLE FLEX G1 8x4800 23W-2500lm/m 965 EXC	965/xxx	2,720 lm/m	2,440 lm/m	944 mA/m	22.6 W/m	110 lm/W	99 lm/W	> 90
48,000 mm roll								
LLE FLEX G1 8x48000 11W-1200lm/m 927 EXC	927/xxx	1,320 lm/m	1,190 lm/m	470 mA/m	11.2 W/m	107 lm/W	96 lm/W	> 90
LLE FLEX G1 8x48000 11W-1200lm/m 930 EXC	930/xxx	1,320 lm/m	1,190 lm/m	470 mA/m	11.2 W/m	107 lm/W	96 lm/W	> 90
LLE FLEX G1 8x48000 11W-1200lm/m 940 EXC	940/xxx	1,360 lm/m	1,220 lm/m	446 mA/m	10.8 W/m	116 lm/W	105 lm/W	> 90
LLE FLEX G1 8x48000 18W-1800lm/m 927 EXC	927/xxx	1,960 lm/m	1,770 lm/m	751 mA/m	18.0 W/m	100 lm/W	90 lm/W	> 90
LLE FLEX G1 8x48000 18W-1800lm/m 930 EXC	930/xxx	1,960 lm/m	1,770 lm/m	751 mA/m	18.0 W/m	100 lm/W	90 lm/W	> 90
LLE FLEX G1 8x48000 16W-1800lm/m 940 EXC	940/xxx	1,980 lm/m	1,780 lm/m	662 mA/m	15.8 W/m	114 lm/W	103 lm/W	> 90
LLE FLEX G1 8x48000 26W-2500lm/m 927 EXC	927/xxx	2,750 lm/m	2,470 lm/m	1,120 mA/m	26.0 W/m	94 lm/W	85 lm/W	> 90
LLE FLEX G1 8x48000 26W-2500lm/m 930 EXC	930/xxx	2,750 lm/m	2,470 lm/m	1,120 mA/m	26.0 W/m	94 lm/W	85 lm/W	> 90
LLE FLEX G1 8x48000 23W-2500lm/m 940 EXC	940/xxx	2,720 lm/m	2,440 lm/m	944 mA/m	22.6 W/m	110 lm/W	99 lm/W	> 90

¹⁾ Integral measurement over the complete module.

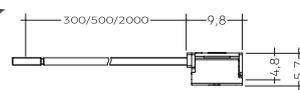
²⁾ Exceeding the max. operating voltage leads to an overload on the LLE FLEX. This may in turn result in a significant reduction in life-time or even in destruction.

³⁾ Tolerance range for optical and electrical data: ±10 %. Values given for 1 m LLE FLEX.

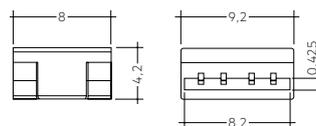
Connector for LLE FLEX

Product description

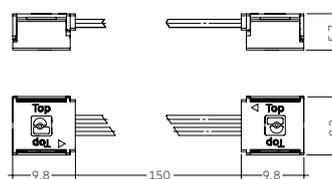
- For connection of LLE FLEX modules
- Easy assembly: remove adhesive 3M tape on the backside of the LLE FLEX in the connection area, insert the LLE FLEX into the connector and lock it by pressing down the top of the connector
- The insertion length of the LLE FLEX must be at least 4 mm (cut the LLE FLEX at the dotted lines)
- Glow wire test according to IEC 60695-2-11: 650 °C
- I_{rated} = 5 A
- U_{rated} = 29.9 V
- Wire cross section AWG 22



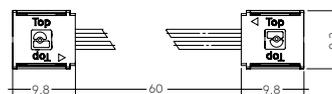
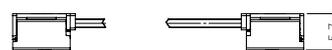
ACL plug connector
Wire to PCB



ACL plug corner connector
PCB to PCB



ACL plug corner connector



Ordering data

Type	Article number	Cable length	Packaging carton	Packaging bag	Weight per pc.
ACL plug connector Wire to PCB 9x4.2mm	28000994	300 mm	250 pc(s).	10 pc(s).	0.004 kg
ACL plug connector Wire-PCB 500x9x5.7mm	28001657	500 mm	20 pc(s).	-	0.008 kg
ACL plug connector Wire-PCB 2000x9x5.7mm	28001656	2,000 mm	10 pc(s).	-	0.018 kg
ACL plug connector PCB to PCB 8x4.2mm	28000995	-	25 pc(s).	25 pc(s).	0.001 kg
ACL plug corner connector 150x9.8x5.7mm	28001654	-	10 pc(s).	-	0.002 kg
ACL plug corner connector 60x9.8x5.7mm	28001655	-	20 pc(s).	-	0.002 kg



NEW

Module LLE FLEX G1 IP67 EXC

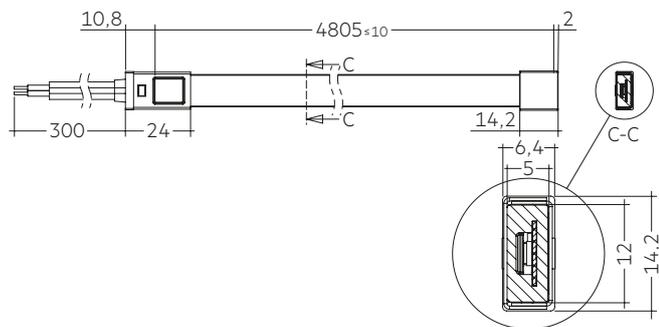
Module LLE FLEX EXCITE

Product description

- The protection class IP67 makes the flexible light strip resistant against water and dust. It is therefore ideal for usage in bathroom lighting or shelves.
- With the innovative airGAP technology Tridonic is able to provide high protection but still achieve a stable colour temperature and no colour shift. In this way, LLE FLEX IP67 EXC is a perfect fit where the light-colour and quality is important.

Features and benefits

- IP67: protected against water & dust
 - Luminous flux range of 600, 1200 and 1,800 lm/m
 - Colour temperature 2,700, 3,000 and 4,000 with SDCM 33
 - Efficacy of the module up to 100 lm/W
 - High design freedom due to 5 cm cut-options
 - Pitch distance of 6 mm enables high light homogeneity
 - Self-adhesive 3M tape at the backside for simple mounting on different surfaces
 - All the accessories – from the Interconnector to the Input-terminal till End cap – has been specifically designed for the IP67 tape and allows intuitive and easy handling which still keeps the protection of IP67 active
 - Long life-time up to 50,000 hours
 - 5-year guarantee
 - System solution in combination with Tridonic constant voltage LED Driver (fixed output and dimmable)
- For product data sheet go to www.tridonic.com, or available on request

**Technical data**

Beam characteristic	110°
Ambient temperature range	-35 ... +50 °C
tp rated	65 °C
tc for 600lm/m / 1200lm/m	65 °C
tc for 1800lm/m	75 °C
DC supply voltage	24 V
DC supply voltage range ²⁾	21.5 – 26.4 V
Insulation test voltage	0.5 kV
ESD classification	Severity level 1
Risk group (EN 62471:2008)	RG0
Classification acc. to IEC 62031	Built-in
Type of protection	IP67

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
4,800 mm roll				
LLE FLEX G1 7W-600lm/m 927 IP67 EXC	28002171	2,700 K	15 pc(s).	0.54 kg
LLE FLEX G1 7W-600lm/m 930 IP67 EXC	28002172	3,000 K	15 pc(s).	0.54 kg
LLE FLEX G1 7W-600lm/m 940 IP67 EXC	28002173	4,000 K	15 pc(s).	0.54 kg
LLE FLEX G1 13W-1200lm/m 927 IP67 EXC	28002174	2,700 K	15 pc(s).	0.54 kg
LLE FLEX G1 13W-1200lm/m 930 IP67 EXC	28002175	3,000 K	15 pc(s).	0.54 kg
LLE FLEX G1 13W-1200lm/m 940 IP67 EXC	28002176	4,000 K	15 pc(s).	0.54 kg
LLE FLEX G1 20W-1800lm/m 927 IP67 EXC	28002177	2,700 K	15 pc(s).	0.54 kg
LLE FLEX G1 20W-1800lm/m 930 IP67 EXC	28002178	3,000 K	15 pc(s).	0.54 kg
LLE FLEX G1 20W-1800lm/m 940 IP67 EXC	28002179	4,000 K	15 pc(s).	0.54 kg



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type ²⁾	Photometric code	Typ. luminous flux at tp = 25 °C ¹⁾	Typ. luminous flux at tp = 65 °C ¹⁾	Typ. current consumption at tp = 65 °C ¹⁾	Typ. power consumption at tp = 65 °C ¹⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C	Colour rendering index CRI
4,800 mm roll								
LLE FLEX G1 7W-600lm/m 927 IP67 EXC	927/359	660 lm/m	580 lm/m	290 mA/m	6.9 W/m	90 lm/W	84 lm/W	> 90
LLE FLEX G1 7W-600lm/m 930 IP67 EXC	930/359	695 lm/m	600 lm/m	290 mA/m	6.9 W/m	94 lm/W	87 lm/W	> 90
LLE FLEX G1 7W-600lm/m 940 IP67 EXC	940/359	705 lm/m	610 lm/m	260 mA/m	6.4 W/m	101 lm/W	95 lm/W	> 90
LLE FLEX G1 13W-1200lm/m 927 IP67 EXC	927/359	1,200 lm/m	1,045 lm/m	540 mA/m	12.9 W/m	87 lm/W	81 lm/W	> 90
LLE FLEX G1 13W-1200lm/m 930 IP67 EXC	930/359	1,260 lm/m	1,100 lm/m	540 mA/m	12.9 W/m	92 lm/W	85 lm/W	> 90
LLE FLEX G1 13W-1200lm/m 940 IP67 EXC	940/359	1,300 lm/m	1,110 lm/m	515 mA/m	12.3 W/m	100 lm/W	90 lm/W	> 90
LLE FLEX G1 20W-1800lm/m 927 IP67 EXC	927/359	1,770 lm/m	1,520 lm/m	830 mA/m	19.8 W/m	84 lm/W	77 lm/W	> 90
LLE FLEX G1 20W-1800lm/m 930 IP67 EXC	930/359	1,860 lm/m	1,610 lm/m	830 mA/m	19.8 W/m	89 lm/W	81 lm/W	> 90
LLE FLEX G1 20W-1800lm/m 940 IP67 EXC	940/359	1,900 lm/m	1,635 lm/m	775 mA/m	18.3 W/m	98 lm/W	89 lm/W	> 90

¹⁾ Tolerance range for optical and electrical data: ±15 %. Values given for 1 m LLE FLEX.

²⁾ Exceeding the max. operating voltage leads to an overload on the LLE FLEX. This may in turn result in a reduction in life-time or even in destruction.

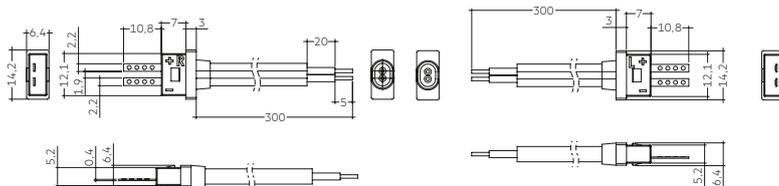
³⁾ Integral measurement over the complete module.

ACCESSORIES

Connector for LLE FLEX IP67

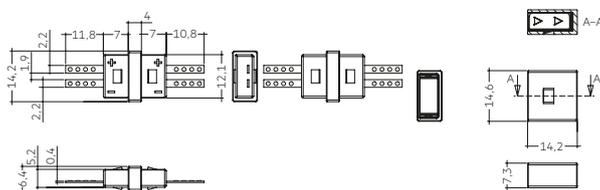
Product description

- For connection of LLE FLEX modules
- Irated = 4.4 A
- Wire cross section AWG 18



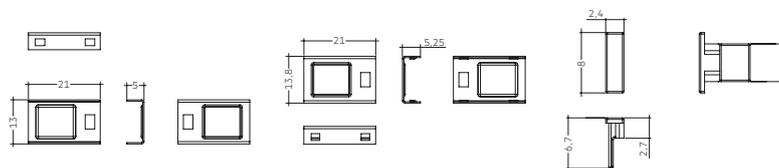
ACL plug connector Wire-PCB IP67 right

ACL plug connector Wire-PCB IP67 left



ACL plug interconnector IP67

ACL plug end cap IP67



Tube base

Tube cover

Plug

Ordering data

Type	Article number	Delivery content per piece	Packaging, carton	Weight per pc.
ACL plug connector Wire-PCB IP67 right	28002257	10 power feeder cable right, 10 tube sets, 25 plugs, 10 end caps, 1 silicon tube	10 pc(s).	0.270 kg
ACL plug connector Wire-PCB IP67 left	28002258	10 power feeder cable left, 10 tube sets, 25 plugs, 10 end caps, 1 silicon tube	10 pc(s).	0.270 kg
ACL plug interconnector IP67	28002259	10 interconnectors, 20 tube sets, 25 plugs, 1 silicon tube	10 pc(s).	0.200 kg
ACL plug end cap IP67	28002260	20 end caps, 25 plugs, 1 silicon tube	10 pc(s).	0.150 kg



Module LLE FLEX G2 8mm ADV

Module LLE FLEX ADVANCED

Product description

- Dimmable 24 V constant voltage stripe (SELV)
- Ideal for various decorative lighting applications: facade accent lighting, ceiling integration, cove lighting and for aluminium extrusions

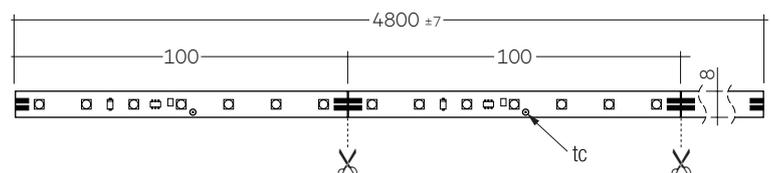
Features and benefits

- Luminous flux range of 600, 1200 and 1,800 lm/m
 - Colour temperature 2,700, 3,000, 4,000 and 6,500 K with SDCM 3¹⁾
 - Efficacy of the module up to 141 lm/W at $t_p = 65\text{ °C}$
 - High design freedom due to 10 cm cut-options
 - Pitch distance of 1.4 cm enables high light homogeneity
 - Self-adhesive 3M tape at the backside for simple mounting on different surfaces
 - PCB to PCB and wire to PCB connectors for toolless handling and connection
 - Long life-time up to 50,000 hours
 - 5-year guarantee
 - System solution in combination with Tridonic constant voltage LED Driver (fixed output and dimmable)
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

For colour temperatures and tolerances see data sheet



Technical data

Beam characteristic	120°
Ambient temperature range	-35 ... +50 °C
t_p rated	65 °C
t_c	75 °C
Supply voltage DC	24 V
Supply voltage range DC ²⁾	21.5 – 26.4 V
Insulation test voltage	0.5 kV
ESD classification	Severity level 4
Risk group (EN 62471:2008)	0
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
LLE FLEX G2 8x4800 4W-600lm/m 827 ADV	28001832	2,700 K	15 pc(s).	0.07 kg
LLE FLEX G2 8x4800 4W-600lm/m 830 ADV	28001900	3,000 K	15 pc(s).	0.07 kg
LLE FLEX G2 8x4800 4W-600lm/m 840 ADV	28001901	4,000 K	15 pc(s).	0.07 kg
LLE FLEX G2 8x4800 4W-600lm/m 865 ADV	28001902	6,500 K	15 pc(s).	0.07 kg
LLE FLEX G2 8x4800 8W-1200lm/m 827 ADV	28001833	2,700 K	15 pc(s).	0.07 kg
LLE FLEX G2 8x4800 8W-1200lm/m 830 ADV	28001903	3,000 K	15 pc(s).	0.07 kg
LLE FLEX G2 8x4800 7W-1200lm/m 840 ADV	28001904	4,000 K	15 pc(s).	0.07 kg
LLE FLEX G2 8x4800 7W-1200lm/m 865 ADV	28001905	6,500 K	15 pc(s).	0.07 kg
LLE FLEX G2 8x4800 12W-1800lm/m 827 ADV	28001834	2,700 K	15 pc(s).	0.07 kg
LLE FLEX G2 8x4800 12W-1800lm/m 830 ADV	28001906	3,000 K	15 pc(s).	0.07 kg
LLE FLEX G2 8x4800 11W-1800lm/m 840 ADV	28001907	4,000 K	15 pc(s).	0.07 kg
LLE FLEX G2 8x4800 11W-1800lm/m 865 ADV	28001908	6,500 K	15 pc(s).	0.07 kg

Specific technical data

Type	Photo-metric code	Typ. luminous flux at tp = 25 °C ³⁾	Typ. luminous flux at tp = 65 °C ³⁾	Typ. current consumption at tp = 65 °C ³⁾	Typ. power consumption at tp = 65 °C ³⁾	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Colour rendering index CRI
LLE FLEX G2 8x4800 4W-600lm/m 827 ADV	827/56x	600 lm/m	520 lm/m	157 mA/m	3.8 W/m	146 lm/W	136 lm/W	> 80
LLE FLEX G2 8x4800 4W-600lm/m 830 ADV	830/56x	600 lm/m	520 lm/m	157 mA/m	3.8 W/m	146 lm/W	136 lm/W	> 80
LLE FLEX G2 8x4800 4W-600lm/m 840 ADV	840/56x	600 lm/m	520 lm/m	157 mA/m	3.8 W/m	146 lm/W	136 lm/W	> 80
LLE FLEX G2 8x4800 4W-600lm/m 865 ADV	865/56x	600 lm/m	520 lm/m	157 mA/m	3.8 W/m	146 lm/W	136 lm/W	> 80
LLE FLEX G2 8x4800 8W-1200lm/m 827 ADV	827/56x	1,200 lm/m	1,050 lm/m	326 mA/m	7.8 W/m	141 lm/W	134 lm/W	> 80
LLE FLEX G2 8x4800 8W-1200lm/m 830 ADV	830/56x	1,200 lm/m	1,050 lm/m	326 mA/m	7.8 W/m	141 lm/W	134 lm/W	> 80
LLE FLEX G2 8x4800 7W-1200lm/m 840 ADV	840/56x	1,200 lm/m	1,050 lm/m	308 mA/m	7.4 W/m	150 lm/W	141 lm/W	> 80
LLE FLEX G2 8x4800 7W-1200lm/m 865 ADV	865/56x	1,200 lm/m	1,050 lm/m	308 mA/m	7.4 W/m	150 lm/W	141 lm/W	> 80
LLE FLEX G2 8x4800 12W-1800lm/m 827 ADV	827/56x	1,800 lm/m	1,550 lm/m	492 mA/m	11.8 W/m	140 lm/W	131 lm/W	> 80
LLE FLEX G2 8x4800 12W-1800lm/m 830 ADV	830/56x	1,800 lm/m	1,550 lm/m	492 mA/m	11.8 W/m	140 lm/W	131 lm/W	> 80
LLE FLEX G2 8x4800 11W-1800lm/m 840 ADV	840/56x	1,800 lm/m	1,550 lm/m	469 mA/m	11.3 W/m	147 lm/W	137 lm/W	> 80
LLE FLEX G2 8x4800 11W-1800lm/m 865 ADV	865/56x	1,800 lm/m	1,550 lm/m	469 mA/m	11.3 W/m	147 lm/W	137 lm/W	> 80

¹⁾ Integral measurement over the complete module.

²⁾ Exceeding the max. operating voltage leads to an overload on the LLE FLEX. This may in turn result in a significant reduction in life-time or even in destruction.

³⁾ Tolerance range for optical and electrical data: ±15 %. Values given for 1 m LLE FLEX.

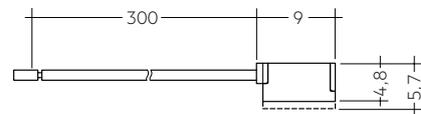
Connector for LLE FLEX

Product description

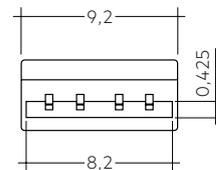
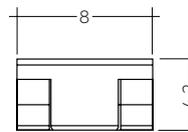
- For connection of LLE FLEX modules
- Easy assembly: remove adhesive 3M tape on the backside of the LLE FLEX in the connection area, insert the LLE FLEX into the connector and lock it by pressing down the top of the connector
- The insertion length of the LLE FLEX must be at least 4 mm (cut the LLE FLEX at the dotted lines)
- Glow wire test according to IEC 60695-2-11: 650 °C
- I_{rated} = 5 A
- U_{rated} = 29,9 V
- Wire cross section AWG 22



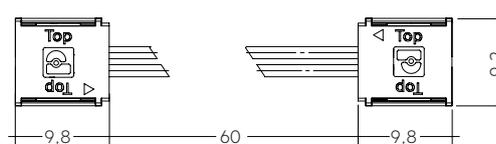
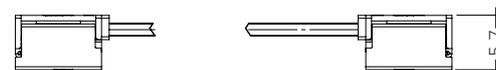
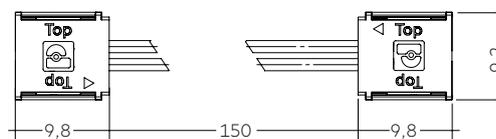
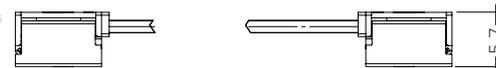
ACL plug connector Wire to PCB



ACL plug corner connector PCB to PCB



ACL plug corner connector



Ordering data

Type	Article number	Packaging, bag	Weight per pc.
ACL plug connector Wire to PCB 9x4.2mm	28000994	10 pc(s).	0.004 kg
ACL plug connector PCB to PCB 8x4.2mm	28000995	25 pc(s).	0.001 kg
ACL plug corner connector 150x9.8x5.7mm	28001654	20 pc(s).	0.002 kg
ACL plug corner connector 60x9.8x5.7mm	28001655	20 pc(s).	0.002 kg



Module LLE FLEX G1 8mm SNC

Module LLE FLEX ESSENCE

Product description

- Dimmable 24 V constant voltage strip (SELV)
- Ideal for various decorative lighting applications: facade accent lighting, ceiling integration, cove lighting and for aluminium extrusions

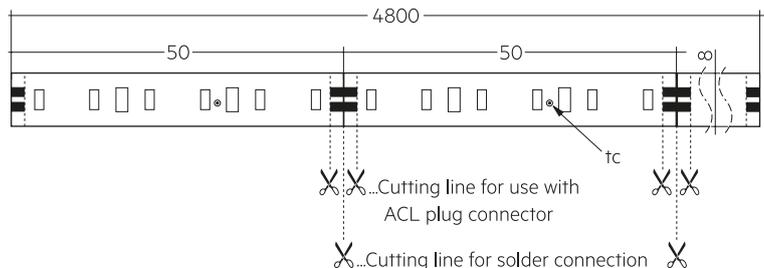
Features and benefits

- Luminous flux range of 600, 1,200 and 1,800 lm/m
 - Colour temperature 2,700, 3,000, 4,000 and 6,500 K with SDCM 5³⁾
 - Efficacy of the module up to 125 lm/W at $t_p = 65\text{ °C}$
 - High design freedom due to 5 cm cut-options
 - Pitch distance of 8.3 mm enables high light homogeneity
 - Self-adhesive 3M tape at the backside for simple mounting on different surfaces
 - PCB to PCB and wire to PCB connectors for toolless handling and connection
 - Long life-time up to 50,000 hours
 - 5-year guarantee
 - System solution in combination with Tridonic constant voltage LED Driver (fixed output and dimmable)
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

For colour temperatures and tolerances see data sheet



Technical data

Beam characteristic	120°
Ambient temperature range	-25 ... +45 °C
t_p rated	65 °C
t_c	75 °C
Supply voltage DC	24 V
Supply voltage range DC ²⁾	21.5 – 26.4 V
Insulation test voltage	0.5 kV
ESD classification	Severity level 4
Risk group (EN 62471:2008)	1
Type of protection	IPO0

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
LLE FLEX G1 8x4800 5W-600lm/m 827 SNC	28002098	2,700 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 5W-600lm/m 830 SNC	28002099	3,000 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 5W-600lm/m 840 SNC	28002100	4,000 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 5W-600lm/m 865 SNC	28002101	6,500 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 11W-1200lm/m 827 SNC	28002102	2,700 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 10W-1200lm/m 830 SNC	28002103	3,000 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 10W-1200lm/m 840 SNC	28002104	4,000 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 10W-1200lm/m 865 SNC	28002105	6,500 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 16W-1800lm/m 827 SNC	28002106	2,700 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 16W-1800lm/m 830 SNC	28002107	3,000 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 14W-1800lm/m 840 SNC	28002108	4,000 K	15 pc(s).	0.055 kg
LLE FLEX G1 8x4800 14W-1800lm/m 865 SNC	28002109	6,500 K	15 pc(s).	0.055 kg

Specific technical data

Type	Photo-metric code	Typ. luminous flux at tp = 25 °C ³⁾	Typ. luminous flux at tp = 65 °C ³⁾	Typ. current consumption at tp = 65 °C ³⁾	Typ. power consumption at tp = 65 °C ³⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C	Colour rendering index CRI
LLE FLEX G1 8x4800 5W-600lm/m 827 SNC	827/579	600 lm/m	585 lm/m	214 mA/m	5.2 W/m	120 lm/W	113 lm/W	> 80
LLE FLEX G1 8x4800 5W-600lm/m 830 SNC	830/579	600 lm/m	585 lm/m	204 mA/m	5.0 W/m	130 lm/W	117 lm/W	> 80
LLE FLEX G1 8x4800 5W-600lm/m 840 SNC	840/579	600 lm/m	585 lm/m	200 mA/m	4.8 W/m	130 lm/W	122 lm/W	> 80
LLE FLEX G1 8x4800 5W-600lm/m 865 SNC	865/579	600 lm/m	585 lm/m	200 mA/m	4.8 W/m	130 lm/W	122 lm/W	> 80
LLE FLEX G1 8x4800 11W-1200lm/m 827 SNC	827/579	1,200 lm/m	1,175 lm/m	442 mA/m	10.6 W/m	118 lm/W	111 lm/W	> 80
LLE FLEX G1 8x4800 10W-1200lm/m 830 SNC	830/579	1,200 lm/m	1,175 lm/m	434 mA/m	10.4 W/m	122 lm/W	113 lm/W	> 80
LLE FLEX G1 8x4800 10W-1200lm/m 840 SNC	840/579	1,200 lm/m	1,175 lm/m	396 mA/m	9.8 W/m	133 lm/W	125 lm/W	> 80
LLE FLEX G1 8x4800 10W-1200lm/m 865 SNC	865/579	1,200 lm/m	1,175 lm/m	396 mA/m	9.8 W/m	133 lm/W	125 lm/W	> 80
LLE FLEX G1 8x4800 16W-1800lm/m 827 SNC	827/579	1,800 lm/m	1,765 lm/m	674 mA/m	16.2 W/m	117 lm/W	109 lm/W	> 80
LLE FLEX G1 8x4800 16W-1800lm/m 830 SNC	830/579	1,800 lm/m	1,765 lm/m	658 mA/m	15.8 W/m	120 lm/W	112 lm/W	> 80
LLE FLEX G1 8x4800 14W-1800lm/m 840 SNC	840/579	1,800 lm/m	1,765 lm/m	594 mA/m	14.2 W/m	132 lm/W	124 lm/W	> 80
LLE FLEX G1 8x4800 14W-1800lm/m 865 SNC	865/579	1,800 lm/m	1,765 lm/m	594 mA/m	14.2 W/m	132 lm/W	124 lm/W	> 80

¹⁾ Integral measurement over the complete module.

²⁾ Exceeding the max. operating voltage leads to an overload on the LLE FLEX. This may in turn result in a significant reduction in life-time or even in destruction.

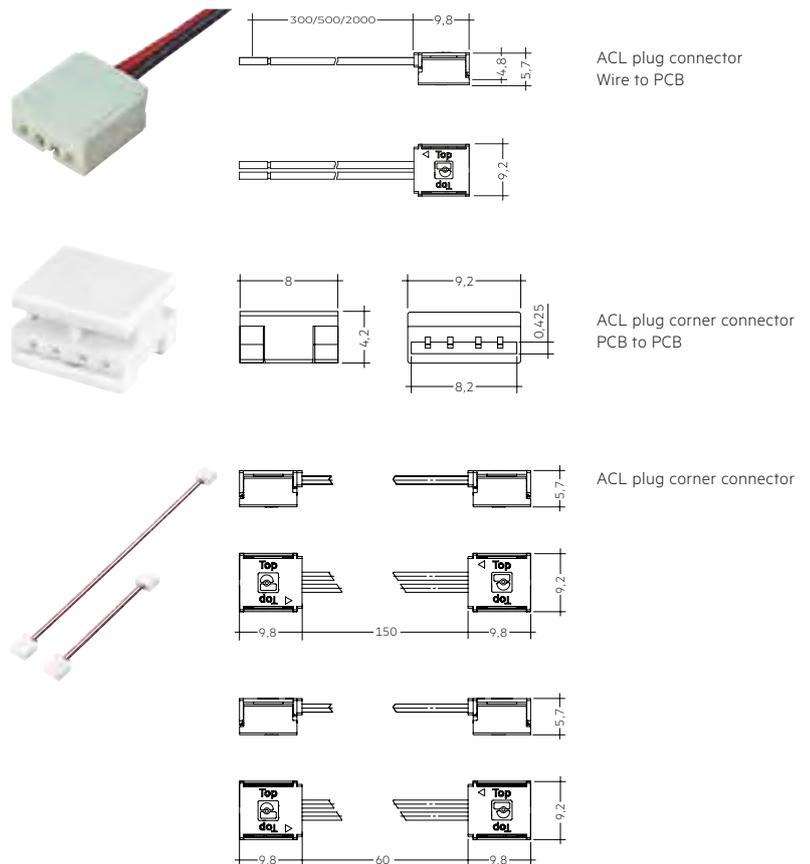
³⁾ Tolerance range for optical and electrical data: ±20 %. Values given for 1 m LLE FLEX.

ACCES-
SORIES

Connector for LLE FLEX

Product description

- For connection of LLE FLEX modules
- Easy assembly: remove adhesive 3M tape on the backside of the LLE FLEX in the connection area, insert the LLE FLEX into the connector and lock it by pressing down the top of the connector
- The insertion length of the LLE FLEX must be at least 4 mm (cut the LLE FLEX at the dotted lines)
- Glow wire test according to IEC 60695-2-11: 650 °C
- Irated = 5 A
- Urated = 29.9 V
- Wire cross section AWG 22



Ordering data

Type	Article number	Cable length	Packaging, carton	Packaging, bag	Weight per pc.
ACL plug connector Wire to PCB 9x4.2mm	28000994	300 mm	250 pc(s).	10 pc(s).	0.004 kg
ACL plug connector Wire-PCB 500x9x5.7mm	28001657	500 mm	20 pc(s).	-	0.008 kg
ACL plug connector Wire-PCB 2000x9x5.7mm	28001656	2,000 mm	10 pc(s).	-	0.018 kg
ACL plug connector PCB to PCB 8x4.2mm	28000995	-	25 pc(s).	25 pc(s).	0.001 kg
ACL plug corner connector 150x9.8x5.7mm	28001654	-	10 pc(s).	-	0.002 kg
ACL plug corner connector 60x9.8x5.7mm	28001655	-	20 pc(s).	-	0.002 kg



Engine DLA G1 ready2apply SNC

Engine DLA ESSENCE

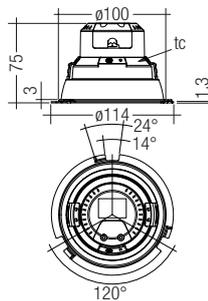
Product description

- Downlight module suitable for direct installation in ceilings (ready2apply)
- Module with integrated electronics and heatsink
- Light engine operating with 230 V AC
- Typ. luminous flux category: 1,000 / 2,000 lm
- High system efficacy up to 90 lm/W at $t_p = 65\text{ }^\circ\text{C}$
- Optional reflector solution with 60° and 90°
- Small colour tolerance (MacAdam 4)
- Nominal life-time of 30,000 h (L70/B50)
- 3-year guarantee

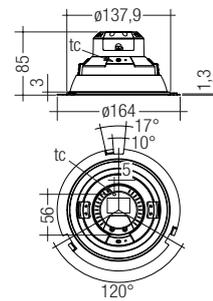
→ For product data sheet go to www.tridonic.com, or available on request

Technical data

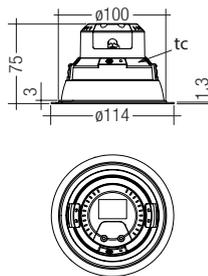
Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. λ	0.9
THD	< 20 %
Flicker	< 20 %
Output LF current ripple (< 120 Hz)	< 20 %
Beam characteristic (with reflector)	110° (60°/90°)
Ambient temperature t_a	-20 ... +40 °C
Typ. t_p temperature ¹⁾	65 °C
Max. t_p temperature (100 mm) ¹⁾	75 °C
Max. t_p temperature (150 mm) ¹⁾	85 °C
Risk group (EN 62471:2008)	0
Type of protection	IP20



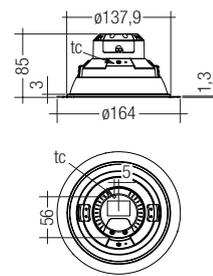
DLA G1 100mm 1000lm 8xx R SNC



DLA G1 150mm 2000lm 8xx R SNC



DLA G1 100mm 1000lm 8x0 R SH ClickD SNC



DLA G1 150mm 2000lm 8xx R SH SNC



For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Housing	Packaging	Weight per pc.
DLA G1 100mm 1000lm 830 R SNC	28001090	3,000 K	Yes	36 pc(s).	0.109 kg
DLA G1 100mm 1000lm 840 R SNC	28001091	4,000 K	Yes	36 pc(s).	0.109 kg
DLA G1 100mm 1000lm 865 R SNC	87500479	6,500 K	Yes	36 pc(s).	0.109 kg
DLA G1 150mm 2000lm 830 R SNC	28001092	3,000 K	Yes	36 pc(s).	0.210 kg
DLA G1 150mm 2000lm 840 R SNC	28001093	4,000 K	Yes	36 pc(s).	0.210 kg
DLA G1 150mm 2000lm 865 R SNC	87500480	6,500 K	Yes	36 pc(s).	0.210 kg
DLA G1 100mm 1000lm 830 R SH SNC	28001264	3,000 K	Yes	36 pc(s).	0.109 kg
DLA G1 100mm 1000lm 840 R SH SNC	28001265	4,000 K	Yes	36 pc(s).	0.109 kg
DLA G1 150mm 2000lm 830 R SH SNC	28001266	3,000 K	Yes	36 pc(s).	0.210 kg
DLA G1 150mm 2000lm 840 R SH SNC	28001267	4,000 K	Yes	36 pc(s).	0.210 kg

Specific technical data

Type	Photometric code	Luminous flux at tp = 65 °C ²⁾	Luminous flux with 60°/90° reflector at tp = 65 °C ²⁾	Input power ³⁾	Luminous efficacy at tp = 65 °C	Luminous efficacy with 60°/90° reflector at tp = 65 °C	Colour rendering index CRI	Energy classification
DLA G1 100mm 1000lm 830 R SNC	830/459	1,000 lm	1,020 lm	11.6 W	86 lm/W	88 lm/W	80	A+
DLA G1 100mm 1000lm 840 R SNC	840/459	1,050 lm	1,070 lm	11.6 W	90 lm/W	92 lm/W	80	A+
DLA G1 100mm 1000lm 865 R SNC	865/459	1,050 lm	1,070 lm	11.6 W	91 lm/W	92 lm/W	80	A+
DLA G1 150mm 2000lm 830 R SNC	830/459	2,000 lm	2,040 lm	22.7 W	88 lm/W	90 lm/W	80	A
DLA G1 150mm 2000lm 840 R SNC	840/459	2,100 lm	2,140 lm	22.7 W	92 lm/W	94 lm/W	80	A+
DLA G1 150mm 2000lm 865 R SNC	865/459	2,130 lm	2,160 lm	22.7 W	93 lm/W	95 lm/W	80	A+
DLA G1 100mm 1000lm 830 R SH SNC	830/459	1,000 lm	1,020 lm	11.6 W	86 lm/W	88 lm/W	80	A+
DLA G1 100mm 1000lm 840 R SH SNC	840/459	1,050 lm	1,070 lm	11.6 W	90 lm/W	92 lm/W	80	A+
DLA G1 150mm 2000lm 830 R SH SNC	830/459	2,000 lm	2,040 lm	22.7 W	88 lm/W	90 lm/W	80	A
DLA G1 150mm 2000lm 840 R SH SNC	840/459	2,100 lm	2,140 lm	22.7 W	92 lm/W	94 lm/W	80	A+

¹⁾ If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. The temperature of the LED engine at the tp point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tp point see the drawing in the data sheet.

²⁾ Tolerance range for optical data: ±10 %.

³⁾ All values at tp = 65 °C.

RoHS

ACCES-
SORIES

ACD REFLECTOR

Product description

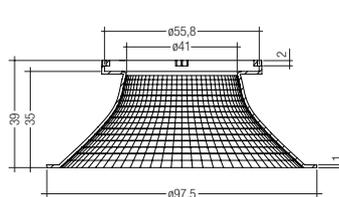
- Reflector for DLA modules with 60° or 90°



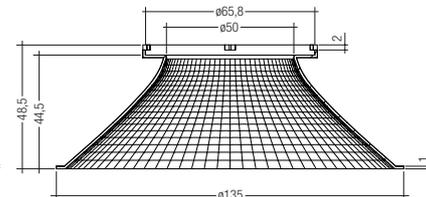
ACD REFLECTOR 100mm 90 D



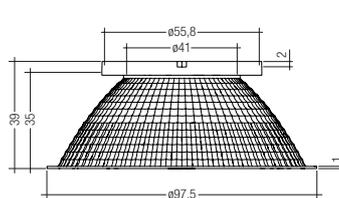
ACD REFLECTOR 150mm 90 D



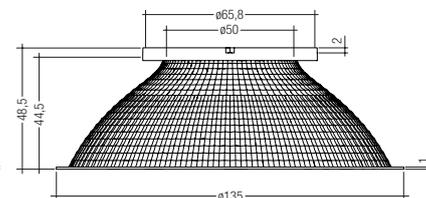
ACD REFLECTOR 100mm 90 D



ACD REFLECTOR 150mm 90 D



ACD REFLECTOR 100mm 60 D



ACD REFLECTOR 150mm 60 D

Ordering data

Type	Article number	Diameter	Packaging	Weight per pc.
ACD REFLECTOR 100mm 60 D	28001094	100 mm	36 pc(s).	0.048 kg
ACD REFLECTOR 100mm 90 D	28001095	100 mm	36 pc(s).	0.050 kg
ACD REFLECTOR 150mm 60 D	28001096	150 mm	36 pc(s).	0.085 kg
ACD REFLECTOR 150mm 90 D	28001097	150 mm	36 pc(s).	0.097 kg



Engine DLA G1 ready2apply ClickDIM SNC

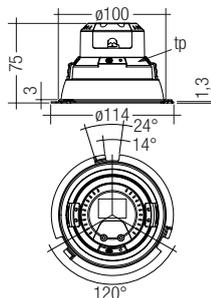
Engine DLA ESSENCE

Product description

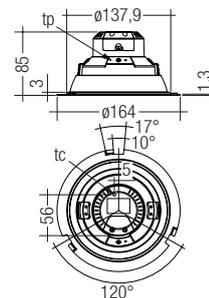
- Downlight module suitable for direct installation in ceilings (ready2apply)
 - Module with integrated electronics and heatsink
 - Implemented ClickDIM function: 10 %, 50 % and 100 %
 - Light engine operating with 230 V AC
 - Typ. luminous flux category: 1,000 / 2,000 lm
 - High system efficacy up to 90 lm/W at $t_p = 65^\circ\text{C}$
 - Optional reflector solution with 60° and 90°
 - Small colour tolerance (MacAdam 4)
 - Nominal life-time of 30,000 h (L70/B50)
 - 3-year guarantee
- For product data sheet go to www.tridonic.com, or available on request

Technical data

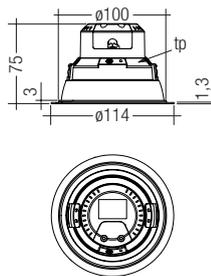
Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
ClickDIM level settable	10 %, 50 % and 100 %
Typ. λ	0,9
THD	< 27 %
Flicker	< 20 %
Output LF current ripple (< 120 Hz)	< 20 %
Beam characteristic (with reflector)	110° ($60^\circ/90^\circ$)
Ambient temperature t_a	$-20 \dots +40^\circ\text{C}$
Typ. t_p temperature ¹⁾	65°C
Max. t_p temperature (100 mm) ¹⁾	75°C
Max. t_p temperature (150 mm) ¹⁾	85°C
Type of protection	IP20



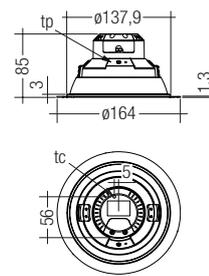
DLA G1 100mm 1000lm 8xx R ClickD SNC



DLA G1 150mm 2000lm 8xx R ClickD SNC



DLA G1 100mm 1000lm 8x0 R SH ClickD SNC



DLA G1 150mm 2000lm 8x0 R SH ClickD SNC



For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Housing	Packaging	Weight per pc.
DLA G1 100mm 1000lm 830 R ClickD SNC	87500588	3,000 K	Yes	36 pc(s).	0.125 kg
DLA G1 100mm 1000lm 840 R ClickD SNC	87500589	4,000 K	Yes	36 pc(s).	0.125 kg
DLA G1 100mm 1000lm 865 R ClickD SNC	87500592	6,500 K	Yes	36 pc(s).	0.125 kg
DLA G1 150mm 2000lm 830 R ClickD SNC	87500590	3,000 K	Yes	36 pc(s).	0.196 kg
DLA G1 150mm 2000lm 840 R ClickD SNC	87500591	4,000 K	Yes	36 pc(s).	0.196 kg
DLA G1 150mm 2000lm 865 R ClickD SNC	87500593	6,500 K	Yes	36 pc(s).	0.196 kg
DLA G1 100mm 1000lm 830 R SH ClickD SNC	87500594	3,000 K	Yes	36 pc(s).	0.125 kg
DLA G1 100mm 1000lm 840 R SH ClickD SNC	87500595	4,000 K	Yes	36 pc(s).	0.125 kg
DLA G1 150mm 2000lm 830 R SH ClickD SNC	87500596	3,000 K	Yes	36 pc(s).	0.196 kg
DLA G1 150mm 2000lm 840 R SH ClickD SNC	87500597	4,000 K	Yes	36 pc(s).	0.196 kg

Specific technical data

Type	Photometric code	Luminous flux at tp = 65 °C ²⁾	Luminous flux with 60°/90° reflector at tp = 65 °C ²⁾	Input power ³⁾	Luminous efficacy at tp = 65 °C	Luminous efficacy with 60°/90° reflector at tp = 65 °C	Colour rendering index CRI	Energy classification
DLA G1 100mm 1000lm 830 R ClickD SNC	830/459	1,000 lm	1,020 lm	11.7 W	85 lm/W	86 lm/W	80	A+
DLA G1 100mm 1000lm 840 R ClickD SNC	840/459	1,050 lm	1,070 lm	11.7 W	89 lm/W	90 lm/W	80	A+
DLA G1 100mm 1000lm 865 R ClickD SNC	865/459	1,050 lm	1,070 lm	11.7 W	91 lm/W	95 lm/W	80	A+
DLA G1 150mm 2000lm 830 R ClickD SNC	830/459	2,000 lm	2,040 lm	23.0 W	86 lm/W	88 lm/W	80	A+
DLA G1 150mm 2000lm 840 R ClickD SNC	840/459	2,100 lm	2,140 lm	23.0 W	90 lm/W	92 lm/W	80	A+
DLA G1 150mm 2000lm 865 R ClickD SNC	865/459	2,130 lm	2,160 lm	23.0 W	91 lm/W	93 lm/W	80	A+
DLA G1 100mm 1000lm 830 R SH ClickD SNC	830/459	1,000 lm	1,020 lm	11.7 W	85 lm/W	86 lm/W	80	A+
DLA G1 100mm 1000lm 840 R SH ClickD SNC	840/459	1,050 lm	1,070 lm	11.7 W	89 lm/W	90 lm/W	80	A+
DLA G1 150mm 2000lm 830 R SH ClickD SNC	830/459	2,000 lm	2,040 lm	23.0 W	86 lm/W	88 lm/W	80	A+
DLA G1 150mm 2000lm 840 R SH ClickD SNC	840/459	2,100 lm	2,140 lm	23.0 W	90 lm/W	92 lm/W	80	A+

¹⁾ If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. The temperature of the LED engine at the tp point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tp point see the drawing in the data sheet.

²⁾ Tolerance range for optical data: ±10 %.

³⁾ All values at tp = 65 °C.

RoHS

ACCES-
SORIES

ACD REFLECTOR

Product description

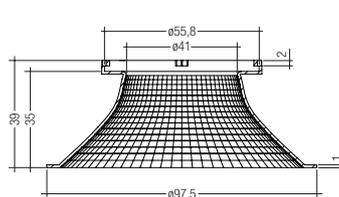
- Reflector for DLA modules with 60° or 90°



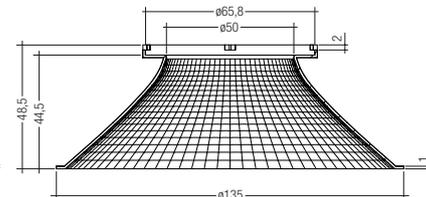
ACD REFLECTOR 100mm 90 D



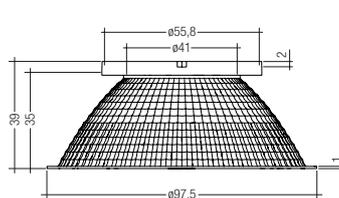
ACD REFLECTOR 150mm 90 D



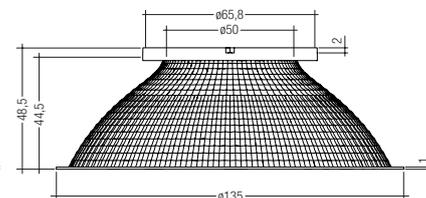
ACD REFLECTOR 100mm 90 D



ACD REFLECTOR 150mm 90 D



ACD REFLECTOR 100mm 60 D



ACD REFLECTOR 150mm 60 D

Ordering data

Type	Article number	Diameter	Packaging	Weight per pc.
ACD REFLECTOR 100mm 60 D	28001094	100 mm	36 pc(s).	0.048 kg
ACD REFLECTOR 100mm 90 D	28001095	100 mm	36 pc(s).	0.050 kg
ACD REFLECTOR 150mm 60 D	28001096	150 mm	36 pc(s).	0.085 kg
ACD REFLECTOR 150mm 90 D	28001097	150 mm	36 pc(s).	0.097 kg



NEW

Module DLA G2 system

Engine DLA G2

Product description

- LED replacement for downlight with compact fluorescent lamps
 - Complete ready2apply solution comprising module, driver, reflector and trim ring
 - Tool-free assembly, simple as push and rotate
 - Spring clip pre-assembled
 - Ripple current 5 % and UGR19 (specific model only) makes office installation possible
 - Fit for ceiling cutout 100, 150 and 200 mm
 - Typ. luminous flux category: 1,000 / 2,000 / 3,000 lm
 - Approved emergency solution with EM converterLED
 - High system efficacy up to 111 lm/W
 - Optional reflector solution with 60° and 90°
 - Small colour tolerance MacAdam 4
 - Nominal life-time 50,000 h (L70/B50)
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request

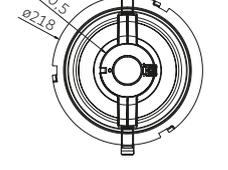
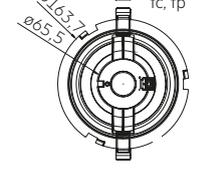
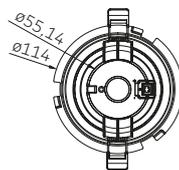
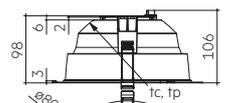
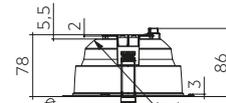
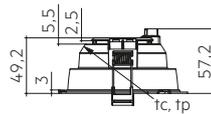


For standards see data sheet

For colour temperatures and tolerances see data sheet



DLA G2 100mm 1000lm 8x0 SNC EM MOD
+ DLA G2 100mm 1000lm 8x0 SNC EM ECG
+ Reflector 90°
+ Trim Ring



DLA G2 100mm
1000lm 8x0 SNC

DLA G2 150mm
1000/2000lm 8x0 SNC

DLA G2 200mm
2000/3000lm 8x0 SNC

Technical data

Beam characteristic	60° / 90° / 100°
Ambient temperature t_a	-20 ... +40 °C
t_c temperature (100 mm, 1000lm) ¹⁾	60 °C
t_c temperature (150 mm, 1000lm) ¹⁾	55 °C
t_c temperature (150 mm, 2000lm) ¹⁾	65 °C
t_c temperature (200 mm, 2000lm) ¹⁾	60 °C
t_c temperature (200 mm, 3000lm) ¹⁾	65 °C
ESD classification	Severity level 2
Risk group (IEC 62471:2008)	RG1
Type of protection	IP20

Ordering data

Type	Article number	Colour temperature	Packaging	Weight per pc.
DLA G2 100mm 1000lm 830 SNC EM MOD	28002241	3,000 K	42 pc(s).	0.085 kg
DLA G2 100mm 1000lm 840 SNC EM MOD	28002242	4,000 K	42 pc(s).	0.085 kg
DLA G2 150mm 1000/2000lm 830 SNC EM MOD	28002243	3,000 K	42 pc(s).	0.158 kg
DLA G2 150mm 1000/2000lm 840 SNC EM MOD	28002244	4,000 K	42 pc(s).	0.158 kg
DLA G2 200mm 2000/3000lm 830 SNC EM MOD	28002245	3,000 K	42 pc(s).	0.253 kg
DLA G2 200mm 2000/3000lm 840 SNC EM MOD	28002270	4,000 K	42 pc(s).	0.253 kg

Specific technical data

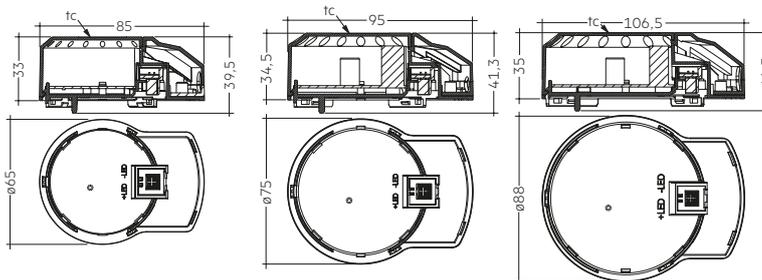
Type	Photometric code	Typ. tp temperature	Luminous flux at tp ²⁾	Input power	Luminous efficacy at tp	Beam angle	UGR	Colour rendering index CRI	Energy classification
Without reflector									
Module: DLA G2 100mm 1000lm 830 SNC EM MOD + Driver: DLA G2 100mm 1000lm 8x0 SNC EM ECG	830/4xx	45 °C	980 lm	10.2 W	96 lm/W	100°	25	80	A+
Module: DLA G2 100mm 1000lm 840 SNC EM MOD + Driver: DLA G2 100mm 1000lm 8x0 SNC EM ECG	840/4xx	45 °C	1,030 lm	10.2 W	101 lm/W	100°	25	80	A+
Module: DLA G2 150mm 1000/2000lm 830 SNC EM MOD + Driver: DLA G2 150mm 1000lm 8x0 ADV EM ECG	830/4xx	40 °C	1,000 lm	10.1 W	99 lm/W	90°	23	80	A+
Module: DLA G2 150mm 1000/2000lm 830 SNC EM MOD + Driver: DLA G2 150mm 2000lm 8x0 SNC EM ECG	830/4xx	50 °C	1,970 lm	20.2 W	97 lm/W	90°	25	80	A+
Module: DLA G2 150mm 1000/2000lm 840 SNC EM MOD + Driver: DLA G2 150mm 1000lm 8x0 ADV EM ECG	840/4xx	40 °C	1,020 lm	10.1 W	101 lm/W	90°	23	80	A+
Module: DLA G2 150mm 1000/2000lm 840 SNC EM MOD + Driver: DLA G2 150mm 2000lm 8x0 SNC EM ECG	840/4xx	50 °C	2,050 lm	20.2 W	101 lm/W	90°	25	80	A+
Module: DLA G2 200mm 2000/3000lm 830 SNC EM MOD + Driver: DLA G2 200mm 2000lm 8x0 ADV EM ECG	830/4xx	45 °C	2,080 lm	20.4 W	102 lm/W	90°	23	80	A+
Module: DLA G2 200mm 2000/3000lm 830 SNC EM MOD + Driver: DLA G2 200mm 3000lm 8x0 SNC EM ECG	830/4xx	50 °C	2,900 lm	29.8 W	97 lm/W	90°	25	80	A+
Module: DLA G2 200mm 2000/3000lm 840 SNC EM MOD + Driver: DLA G2 200mm 2000lm 8x0 ADV EM ECG	840/4xx	45 °C	2,120 lm	20.4 W	104 lm/W	90°	23	80	A+
Module: DLA G2 200mm 2000/3000lm 840 SNC EM MOD + Driver: DLA G2 200mm 3000lm 8x0 SNC EM ECG	840/4xx	50 °C	3,000 lm	29.8 W	101 lm/W	90°	25	80	A+
With 60° reflector									
Module: DLA G2 100mm 1000lm 830 SNC EM MOD + Driver: DLA G2 100mm 1000lm 8x0 SNC EM ECG	830/4xx	45 °C	1,060 lm	10.2 W	104 lm/W	60°	20	80	A+
Module: DLA G2 100mm 1000lm 840 SNC EM MOD + Driver: DLA G2 100mm 1000lm 8x0 SNC EM ECG	840/4xx	45 °C	1,110 lm	10.2 W	109 lm/W	60°	20	80	A+
Module: DLA G2 150mm 1000/2000lm 830 SNC EM MOD + Driver: DLA G2 150mm 1000lm 8x0 ADV EM ECG	830/4xx	40 °C	1,100 lm	10.1 W	109 lm/W	60°	16	80	A+
Module: DLA G2 150mm 1000/2000lm 830 SNC EM MOD + Driver: DLA G2 150mm 2000lm 8x0 SNC EM ECG	830/4xx	50 °C	2,130 lm	20.2 W	105 lm/W	60°	19	80	A+
Module: DLA G2 150mm 1000/2000lm 840 SNC EM MOD + Driver: DLA G2 150mm 1000lm 8x0 ADV EM ECG	840/4xx	40 °C	1,120 lm	10.1 W	111 lm/W	60°	16	80	A+
Module: DLA G2 150mm 1000/2000lm 840 SNC EM MOD + Driver: DLA G2 150mm 2000lm 8x0 SNC EM ECG	840/4xx	50 °C	2,210 lm	20.2 W	109 lm/W	60°	19	80	A+
Module: DLA G2 200mm 2000/3000lm 830 SNC EM MOD + Driver: DLA G2 200mm 2000lm 8x0 ADV EM ECG	830/4xx	45 °C	2,200 lm	20.4 W	108 lm/W	60°	17	80	A+
Module: DLA G2 200mm 2000/3000lm 830 SNC EM MOD + Driver: DLA G2 200mm 3000lm 8x0 SNC EM ECG	830/4xx	50 °C	3,070 lm	29.8 W	103 lm/W	60°	18	80	A+
Module: DLA G2 200mm 2000/3000lm 840 SNC EM MOD + Driver: DLA G2 200mm 2000lm 8x0 ADV EM ECG	840/4xx	45 °C	2,250 lm	20.4 W	110 lm/W	60°	17	80	A+
Module: DLA G2 200mm 2000/3000lm 840 SNC EM MOD + Driver: DLA G2 200mm 3000lm 8x0 SNC EM ECG	840/4xx	50 °C	3,180 lm	29.8 W	107 lm/W	60°	18	80	A+
With 90° reflector									
Module: DLA G2 100mm 1000lm 830 SNC EM MOD + Driver: DLA G2 100mm 1000lm 8x0 SNC EM ECG	830/4xx	45 °C	1,060 lm	10.2 W	104 lm/W	90°	23	80	A+
Module: DLA G2 100mm 1000lm 840 SNC EM MOD + Driver: DLA G2 100mm 1000lm 8x0 SNC EM ECG	840/4xx	45 °C	1,110 lm	10.2 W	109 lm/W	90°	23	80	A+
Module: DLA G2 150mm 1000/2000lm 830 SNC EM MOD + Driver: DLA G2 150mm 1000lm 8x0 ADV EM ECG	830/4xx	40 °C	1,100 lm	10.1 W	109 lm/W	90°	20	80	A+
Module: DLA G2 150mm 1000/2000lm 830 SNC EM MOD + Driver: DLA G2 150mm 2000lm 8x0 SNC EM ECG	830/4xx	50 °C	2,130 lm	20.2 W	105 lm/W	90°	22	80	A+
Module: DLA G2 150mm 1000/2000lm 840 SNC EM MOD + Driver: DLA G2 150mm 1000lm 8x0 ADV EM ECG	840/4xx	40 °C	1,120 lm	10.1 W	111 lm/W	90°	20	80	A+
Module: DLA G2 150mm 1000/2000lm 840 SNC EM MOD + Driver: DLA G2 150mm 2000lm 8x0 SNC EM ECG	840/4xx	50 °C	2,210 lm	20.2 W	109 lm/W	90°	22	80	A+
Module: DLA G2 200mm 2000/3000lm 830 SNC EM MOD + Driver: DLA G2 200mm 2000lm 8x0 ADV EM ECG	830/4xx	45 °C	2,200 lm	20.4 W	108 lm/W	90°	20	80	A+
Module: DLA G2 200mm 2000/3000lm 830 SNC EM MOD + Driver: DLA G2 200mm 3000lm 8x0 SNC EM ECG	830/4xx	50 °C	3,070 lm	29.8 W	103 lm/W	90°	21	80	A+
Module: DLA G2 200mm 2000/3000lm 840 SNC EM MOD + Driver: DLA G2 200mm 2000lm 8x0 ADV EM ECG	840/4xx	45 °C	2,250 lm	20.4 W	110 lm/W	90°	20	80	A+
Module: DLA G2 200mm 2000/3000lm 840 SNC EM MOD + Driver: DLA G2 200mm 3000lm 8x0 SNC EM ECG	840/4xx	50 °C	3,180 lm	29.8 W	107 lm/W	90°	21	80	A+

¹⁾ If the max. temperature limits are exceeded, the life of the system will be greatly reduced or the system may be damaged. The temperature of the LED engine at the tp-point is to be measured in the thermally stable state with a temperature sensor or temperature-sensitive sticker as per EN 60598-1. For the precise position of the tp point see the drawing in the data sheet.

²⁾ Tolerance range for optical data: ±10 %.

Driver DLA G2 SNC system

Engine DLA G2



DLA G2 100mm 1000lm
8x0 SNC EM ECG

DLA G2 150mm 2000lm
8x0 SNC EM ECG

DLA G2 200mm 3000lm
8x0 SNC EM ECG

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Leakage current (at 230 V, 50 Hz, full load)	< 0.5 mA
THD (at 230 V, 50 Hz, full load)	< 15 %
Output current tolerance ³⁾	± 5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	< 5 %
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature <i>t_a</i>	-20 ... +40 °C
Ambient temperature <i>t_a</i> (at life-time 50,000 h)	40 °C
Storage temperature <i>t_s</i>	-30 ... +80 °C

Ordering data

Type	Article number	Packaging, carton	Packaging, palett	Weight per pc.
DLA G2 100mm 1000lm 8x0 SNC EM ECG	28002236	84 pc(s).	2,016 pc(s).	0.075 kg
DLA G2 150mm 2000lm 8x0 SNC EM ECG	28002238	84 pc(s).	1,260 pc(s).	0.108 kg
DLA G2 200mm 3000lm 8x0 SNC EM ECG	28002240	84 pc(s).	1,008 pc(s).	0.153 kg

Specific technical data

Type	Output current ³⁾	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	λ at full load ¹⁾	Efficiency at full load ¹⁾	λ at min. load ¹⁾	Efficiency at min. load ¹⁾	Max. output voltage	Max. output peak current at full load ²⁾	Max. output peak current at min. load ²⁾	Max. casing temperature <i>t_c</i>
DLA G2 100mm 1000lm 8x0 SNC EM ECG	255 mA	0.047 A	11.0 W	10.2 W	8.0 - 9.3 W	0.95	85 %	0.90C	83 %	50 V	320 mA	320 mA	60 °C
DLA G2 150mm 2000lm 8x0 SNC EM ECG	530 mA	0.094 A	21.7 W	20.2 W	16.5 - 19.3 W	0.95	89 %	0.90C	87 %	50 V	667 mA	667 mA	60 °C
DLA G2 200mm 3000lm 8x0 SNC EM ECG	790 mA	0.136 A	32.0 W	29.8 W	24.6 - 28.8 W	0.95	90 %	0.90C	88 %	50 V	995 mA	995 mA	65 °C

¹⁾ Test result at 230 V, 50 Hz.

²⁾ The trend between min. and full load is linear.

³⁾ Output current is mean value.

IP20 SELV                                            

ACD REFLECTOR G2

Product description

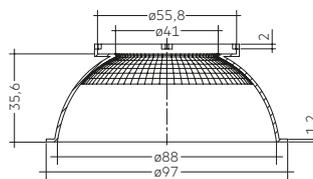
- Reflector for DLA G2 modules with 60° or 90°



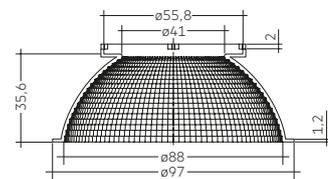
ACD REFLECTOR G2 150mm 60D



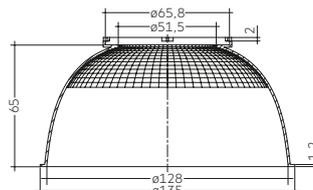
ACD REFLECTOR G2 150mm 90D



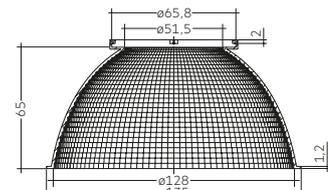
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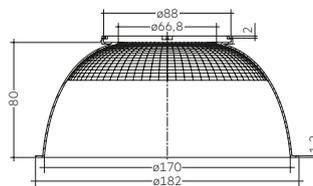
ACD REFLECTOR G2 100mm 90D



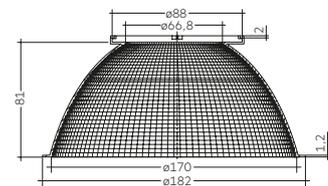
ACD REFLECTOR G2 150mm 60D



ACD REFLECTOR G2 150mm 90D



ACD REFLECTOR G2 200mm 60D



ACD REFLECTOR G2 200mm 90D

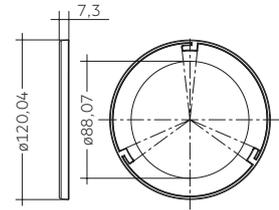
Ordering data

Type	Article number	Diameter	Packaging	Weight per pc.
ACD REFLECTOR G2 100mm 60D	28002190	100 mm	42 pc(s).	0.033 kg
ACD REFLECTOR G2 100mm 90D	28002191	100 mm	42 pc(s).	0.033 kg
ACD REFLECTOR G2 150mm 60D	28002192	150 mm	42 pc(s).	0.071 kg
ACD REFLECTOR G2 150mm 90D	28002193	150 mm	42 pc(s).	0.071 kg
ACD REFLECTOR G2 200mm 60D	28002194	200 mm	42 pc(s).	0.120 kg
ACD REFLECTOR G2 200mm 90D	28002195	200 mm	42 pc(s).	0.120 kg

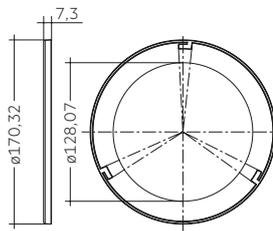
ACD TRIM RING

Product description

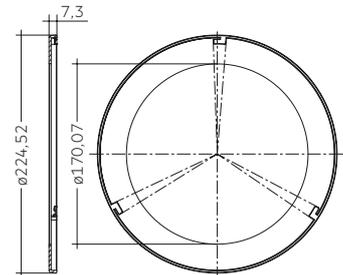
- Trim rings in 100, 150 and 200 mm diameter



ACD TRIM RING 100MM WHITE



ACD TRIM RING 150MM WHITE



ACD TRIM RING 200MM WHITE

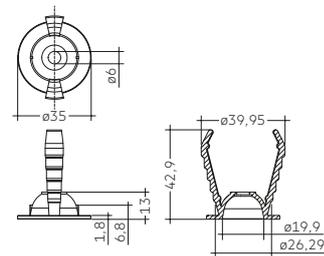
Ordering data

Type	Article number	Colour	Packaging, carton	Weight per pc.
ACD TRIM RING 100MM WHITE	28002196	White	30 pc(s).	0.020 kg
ACD TRIM RING 150MM WHITE	28002197	White	30 pc(s).	0.030 kg
ACD TRIM RING 200MM WHITE	28002198	White	30 pc(s).	0.050 kg

ACD TRIM RING

Product description

- Holder for indicator LED in emergency operation
- Glow-wire test with a temperature of 850 °C passed



Ordering data

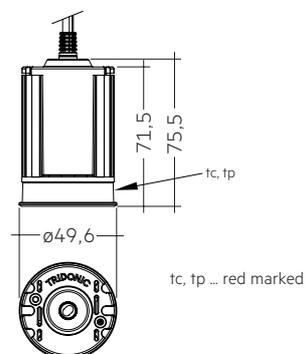
Type	Article number	Colour	Packaging, carton	Weight per pc.
ACD EM LED INDICATOR HOLDER	28002189	White	10 pc(s).	0.010 kg

**Engine SLA AC G2 50mm SNC**

Engine SLA ESSENCE

Product description

- Fits in most existing MR16 / GU10 halogen luminaires
 - 10 W LED Equivalent to 50 W MR16 halogen with higher lumen output
 - Perfect solution for MR16 / GU10 replacement project
 - Module with integrated electronic, heatsink and optics
 - Compatible with leading and trailing edge phase cut dimmers
 - Dimming range 0.1 to 100 % (depends on dimmer)
 - Eye-catching reflector lens optic which mirrors halogen facettes
 - System luminous efficacy up to 85 lm/W
 - Higher CRI, typical Ra = 92
 - Colour temperatures 2,700 K, 3,000 K and 4,000 K
 - High colour consistency (MacAdam 3)
 - Beam Angle: spot degree (24°) or downlight (36°)
 - Long life-time: L70B50 >50,000 h at tp = 75 °C
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request

**Technical data**

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Mains frequency	50 / 60 Hz
λ (at 230 V, 50 Hz)	$\geq 0.9c$
THD	< 23 %
Flicker	< 20 %
LF current ripple	< 20 %
Ambient temperature t_a	-20 ... +40 °C
tp rated	75 °C
tc	90 °C
ESD classification	Severity level 2
Risk group (IEC 62471:2008)	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IP20

Ordering data

Type	Article number	Colour temperature	Packaging	Weight per pc.
SLA AC pc G2 50mm 700lm 927 24D SNC	28001934	2,700 K	80 pc(s).	0.172 kg
SLA AC pc G2 50mm 700lm 927 36D SNC	28001935	2,700 K	80 pc(s).	0.172 kg
SLA AC pc G2 50mm 700lm 930 24D SNC	28001936	3,000 K	80 pc(s).	0.172 kg
SLA AC pc G2 50mm 700lm 930 36D SNC	28001937	3,000 K	80 pc(s).	0.172 kg
SLA AC pc G2 50mm 700lm 940 24D SNC	28001938	4,000 K	80 pc(s).	0.172 kg
SLA AC pc G2 50mm 700lm 940 36D SNC	28001939	4,000 K	80 pc(s).	0.172 kg

Specific technical data

Type	Photometric code	Typ. luminous flux at tp = 75 °C ¹⁾	Typ. intensity at tp = 75 °C ¹⁾	Beam characteristics	Input power at tp = 65 °C ¹⁾	Efficacy of the system at tp = 75 °C	Colour rendering index CRI
SLA AC pc G2 50mm 700lm 927 24D SNC	927/359	710 lm	2,630 cd	24°	9.5 W	75 lm/W	> 90
SLA AC pc G2 50mm 700lm 927 36D SNC	927/359	710 lm	1,420 cd	36°	9.5 W	75 lm/W	> 90
SLA AC pc G2 50mm 700lm 930 24D SNC	930/359	760 lm	2,890 cd	24°	9.5 W	80 lm/W	> 90
SLA AC pc G2 50mm 700lm 930 36D SNC	930/359	760 lm	1,520 cd	36°	9.5 W	80 lm/W	> 90
SLA AC pc G2 50mm 700lm 940 24D SNC	940/359	810 lm	3,070 cd	24°	9.5 W	85 lm/W	> 90
SLA AC pc G2 50mm 700lm 940 36D SNC	940/359	810 lm	1,610 cd	36°	9.5 W	85 lm/W	> 90

¹⁾ Tolerance range for optical and electrical data: ± 10 %.

ACS TRIM RING

Product description

- Up to 30° swivel mounting rings for ceiling cutouts 68 mm and 75 mm
- Matt white / matt black / brushed nickel finishing
- Version 75 mm with optional anti-glare guard
- Spring clip pre-assembled



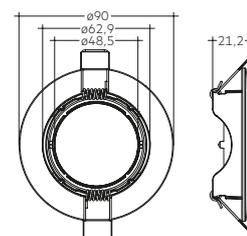
ACS TRIM RING SWIVEL 75mm WH LO 30°



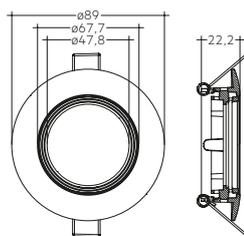
ACS TRIM RING SWIVEL 75mm BK 30°



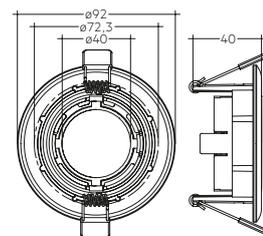
ACS TRIM RING SWIVEL 75mm BN LO 30°



ACS TRIM RING SWIVEL 68mm 30°



ACS TRIM RING SWIVEL 75mm LO 30°



ACS TRIM RING SWIVEL 75mm 30°

Ordering data

Type	Article number	Colour	Ceiling cutout	Packaging, carton	Weight per pc.
ACS TRIM RING SWIVEL 68mm WH 30°	28002184	White	ø 68 mm	96 pc(s).	0.072 kg
ACS TRIM RING SWIVEL 68mm BK 30°	28002185	Black	ø 68 mm	96 pc(s).	0.072 kg
ACS TRIM RING SWIVEL 68mm BN 30°	28002186	Chrome	ø 68 mm	96 pc(s).	0.072 kg
ACS TRIM RING SWIVEL 75mm WH LO 30°	28002181	White	ø 75 mm	96 pc(s).	0.073 kg
ACS TRIM RING SWIVEL 75mm BK LO 30°	28002182	Black	ø 75 mm	96 pc(s).	0.073 kg
ACS TRIM RING SWIVEL 75mm BN LO 30°	28002183	Chrome	ø 75 mm	96 pc(s).	0.073 kg
ACS TRIM RING SWIVEL 75mm WH 30°	28002187	White	ø 75 mm	90 pc(s).	0.100 kg
ACS TRIM RING SWIVEL 75mm BK 30°	28002188	Black	ø 75 mm	90 pc(s).	0.100 kg



Module SLA DC G2 50mm SNC

Module SLA ESSENCE

Product description

- Fits in most existing MR16 / GU10 halogen luminaires
 - Replacement of 50 W MR16 halogen lamps or 20 W HID lamp
 - Module with integrated heatsink and optics
 - Free choice of variable dimming and non-dimming LED Drivers
 - Pre-wired for quick and easy installation
 - Eye-catching lens optic with mirrors halogen facettes
 - Module luminous efficacy up to 104 lm/W
 - Higher CRI, typical Ra = 92
 - Colour temperatures 2,700 K, 3,000 K, 4,000 K
 - High colour consistency (MacAdam 3)
 - Beam Angle: spot degree (24°) or downlight (36°)
 - Long life-time: L70B50 >50,000 h
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

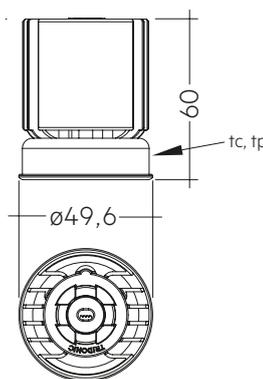
For colour temperatures and tolerances see data sheet



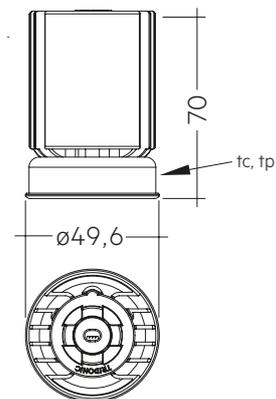
SLA DC G2 50mm 700lm SNC



SLA DC G2 50mm 1200lm SNC



SLA DC G2 50mm 700lm



SLA DC G2 50mm 1200lm

tc, tp ... red marked

Technical data

Ambient temperature range	-20 ... +40 °C
tp rated for SLA DC 700lm	60 °C
tp rated for SLA DC 1200lm	75 °C
tc for SLA DC 700lm	75 °C
tc for SLA DC 1200lm	90 °C
Irated for SLA DC 700lm	250 mA
Irated for SLA DC 1200lm	350 mA
Imax for SLA DC 700lm	300 mA
Imax for SLA DC 1200lm	380 mA
Max. permissible LF current ripple for SLA DC 700lm	900 mA
Max. permissible LF current ripple for SLA DC 1200lm	1,030 mA
Max. permissible peak current for SLA DC 700lm	1,260 mA / max. 10 ms
Max. permissible peak current for SLA DC 1200lm	1,450 mA / max. 10 ms
Max. working voltage for insulation SELV	60 V
Insulation test voltage	0.5 kV
ESD classification	Severity level 2
Risk group (EN 62471:2008)	RG1
Type of protection	IP20

Ordering data

Type	Article number	Colour temperature	Packaging	Weight per pc.
SLA DC G2 50mm 700lm 927 24D SNC	28001942	2,700 K	80 pc(s).	0.090 kg
SLA DC G2 50mm 700lm 927 36D SNC	28001943	2,700 K	80 pc(s).	0.090 kg
SLA DC G2 50mm 700lm 930 24D SNC	28001944	3,000 K	80 pc(s).	0.090 kg
SLA DC G2 50mm 700lm 930 36D SNC	28001945	3,000 K	80 pc(s).	0.090 kg
SLA DC G2 50mm 700lm 940 24D SNC	28001946	4,000 K	80 pc(s).	0.090 kg
SLA DC G2 50mm 700lm 940 36D SNC	28001947	4,000 K	80 pc(s).	0.090 kg
SLA DC G2 50mm 1200lm 927 24D SNC	28001950	2,700 K	80 pc(s).	0.101 kg
SLA DC G2 50mm 1200lm 927 36D SNC	28001951	2,700 K	80 pc(s).	0.101 kg
SLA DC G2 50mm 1200lm 930 24D SNC	28001952	3,000 K	80 pc(s).	0.101 kg
SLA DC G2 50mm 1200lm 930 36D SNC	28001953	3,000 K	80 pc(s).	0.101 kg
SLA DC G2 50mm 1200lm 940 24D SNC	28001954	4,000 K	80 pc(s).	0.101 kg
SLA DC G2 50mm 1200lm 940 36D SNC	28001955	4,000 K	80 pc(s).	0.101 kg

Specific technical data

Type	Photo-metric code	Forward current	Luminous flux at tp rated ¹⁾	Typ. intensity at tp rated ¹⁾	Beam characteristics	Power consumption at tp rated ¹⁾	Min. forward voltage at tc ¹⁾	Max. forward voltage at tp = -20 °C ¹⁾	Efficacy at tp rated	Colour rendering index CRI
SLA DC G2 50mm 700lm 927 24D SNC	927/359	250 mA	770 lm	2,920 cd	24°	8.8 W	30.0 V	40.0 V	88 lm/W	> 90
SLA DC G2 50mm 700lm 927 36D SNC	927/359	250 mA	770 lm	1,540 cd	36°	8.8 W	30.0 V	40.0 V	88 lm/W	> 90
SLA DC G2 50mm 700lm 930 24D SNC	930/359	250 mA	840 lm	3,190 cd	24°	8.8 W	30.0 V	40.0 V	95 lm/W	> 90
SLA DC G2 50mm 700lm 930 36D SNC	930/359	250 mA	840 lm	1,680 cd	36°	8.8 W	30.0 V	40.0 V	95 lm/W	> 90
SLA DC G2 50mm 700lm 940 24D SNC	940/359	250 mA	890 lm	3,380 cd	24°	8.8 W	30.0 V	40.0 V	101 lm/W	> 90
SLA DC G2 50mm 700lm 940 36D SNC	940/359	250 mA	890 lm	1,780 cd	36°	8.8 W	30.0 V	40.0 V	101 lm/W	> 90
SLA DC G2 50mm 1200lm 927 24D SNC	927/349	350 mA	1,140 lm	4,300 cd	24°	12.2 W	32.4 V	37.6 V	93 lm/W	> 90
SLA DC G2 50mm 1200lm 927 36D SNC	927/349	350 mA	1,140 lm	2,200 cd	36°	12.2 W	32.4 V	37.6 V	93 lm/W	> 90
SLA DC G2 50mm 1200lm 930 24D SNC	930/349	350 mA	1,170 lm	4,400 cd	24°	12.2 W	32.4 V	37.6 V	96 lm/W	> 90
SLA DC G2 50mm 1200lm 930 36D SNC	930/349	350 mA	1,170 lm	2,300 cd	36°	12.2 W	32.4 V	37.6 V	96 lm/W	> 90
SLA DC G2 50mm 1200lm 940 24D SNC	940/349	350 mA	1,270 lm	4,800 cd	24°	12.2 W	32.4 V	37.6 V	104 lm/W	> 90
SLA DC G2 50mm 1200lm 940 36D SNC	940/349	350 mA	1,270 lm	2,500 cd	36°	12.2 W	32.4 V	37.6 V	104 lm/W	> 90

¹⁾ Tolerance range for optical and electrical data: ±10 %.

ACS TRIM RING

Product description

- Up to 30° swivel mounting rings for ceiling cutouts 68 mm and 75 mm
- Matt white / matt black / brushed nickel finishing
- Version 75 mm with optional anti-glare guard
- Spring clip pre-assembled



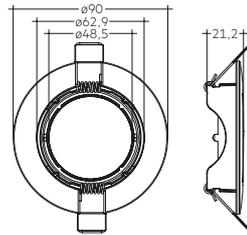
ACS TRIM RING SWIVEL 75mm WH LO 30°



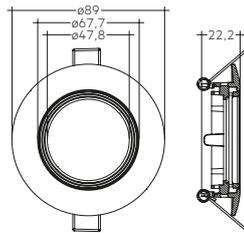
ACS TRIM RING SWIVEL 75mm BK 30°



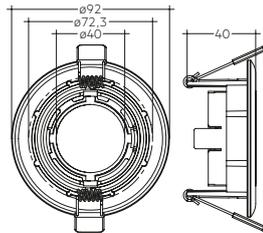
ACS TRIM RING SWIVEL 75mm BN LO 30°



ACS TRIM RING SWIVEL 68mm 30°



ACS TRIM RING SWIVEL 75mm LO 30°



ACS TRIM RING SWIVEL 75mm 30°

Ordering data

Type	Article number	Colour	Ceiling cutout	Packaging carton	Weight per pc.
ACS TRIM RING SWIVEL 68mm WH 30°	28002184	White	ø 68 mm	96 pc(s).	0.072 kg
ACS TRIM RING SWIVEL 68mm BK 30°	28002185	Black	ø 68 mm	96 pc(s).	0.072 kg
ACS TRIM RING SWIVEL 68mm BN 30°	28002186	Chrome	ø 68 mm	96 pc(s).	0.072 kg
ACS TRIM RING SWIVEL 75mm WH LO 30°	28002181	White	ø 75 mm	96 pc(s).	0.073 kg
ACS TRIM RING SWIVEL 75mm BK LO 30°	28002182	Black	ø 75 mm	96 pc(s).	0.073 kg
ACS TRIM RING SWIVEL 75mm BN LO 30°	28002183	Chrome	ø 75 mm	96 pc(s).	0.073 kg
ACS TRIM RING SWIVEL 75mm WH 30°	28002187	White	ø 75 mm	90 pc(s).	0.100 kg
ACS TRIM RING SWIVEL 75mm BK 30°	28002188	Black	ø 75 mm	90 pc(s).	0.100 kg



NEW

net4more driver DC 30W 350-700mA un:c

LED Driver for net4more systems

Product description

- un:c interface dimmable
- Adjustable output current between 350 and 700 mA
- Output voltage range 20 – 42 V
- Up to 93 % efficiency
- Dimming range 5 – 100 %
- Max. tc point temperature 75 °C
- 5-year guarantee
- net4more articles are part of the net4more toolbox consisting of hardware and software and can be ordered with the system via your local sales team

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- un:c – RJ10 (4P4C)
- Terminal blocks: 45° push terminals

Functions

- Adjustable output current
- Protective features (overtemperature, short-circuit, no-load)

Benefits

- Allows integration into IP connected lighting system
- Small dimensions for miniaturization of luminaires
- Application-oriented operating window

Typical applications

- LED Driver for wired and wireless linear/area luminaires in office applications, in combination with dedicated net4more comMOD
- For product data sheet go to www.tridonic.com, or available on request

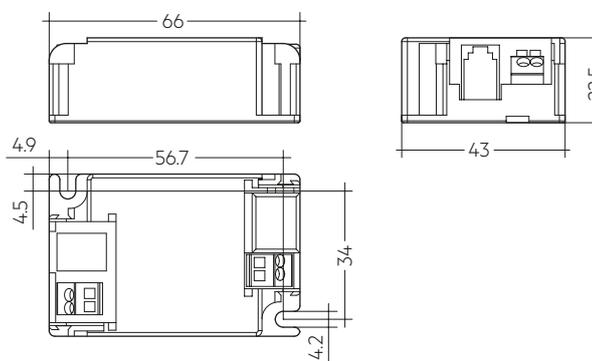


For standards see data sheet

Specific technical data

Type	Output current	Min. forward voltage ¹⁾	Max. forward voltage ¹⁾	Max. output power (at 48 V, full load)	Typ. power consumption (at 48 V, full load) ¹⁾³⁾	Typ. current consumption (at 48 V, full load) ¹⁾³⁾
net4more driver DC 30W 350-700mA un:c	350 mA	20 V	42 V	14.7 W	15.8 W	330 mA
	500 mA	20 V	42 V	21.0 W	22.5 W	470 mA
	700 mA	20 V	42 V	29.4 W	31.5 W	655 mA

¹⁾ Valid at 100 % dimming level.
²⁾ Depending on the selected output current.
³⁾ Measurement values without devices at un:c bus.



Technical data

Rated supply voltage	46 – 55 V
Input voltage range DC	42 – 58 V
Typ. current (full load) ¹⁾³⁾	655 mA
Max. input power ³⁾	31,5 W
Typ. efficiency (full load) ¹⁾²⁾	94 %
Typ. input current in no-load operation	15 mA
Typ. input power in no-load operation	0,75 W
Starting time (full load)	< 0,6 s
Hold on time at power failure	< 5 ms
Output current tolerance ¹⁾	± 3 %
Output current tolerance (at min. dimming level)	± 10 %
Max. peak output current	± output current + 20 %
Output LF current ripple	same as LF ripple on 48 V supply
Dimming range	5 – 100 %
Max. tc point temperature	75 °C
Dimensions L x W x H	66 x 43 x 22,5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
net4more driver DC 30W 350-700mA un:c	87500753	10 pc(s).	2,700 pc(s).	0.035 kg



NEW

net4more driver 25W 350-1050mA C unc

LED Driver for net4more systems

Product description

- Dimmable built-in constant current LED Driver for IP connected luminaires
- Adjustable output current between 350 and 1,050 mA via unc interface
- Max. output power 25 W
- Up to 86 % efficiency
- Dimming range 1 – 100 %
- Life-time up to 100,000 hours
- 5-year guarantee
- net4more articles are part of the net4more toolbox consisting of hardware and software and can be ordered with the system via your local sales team

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- unc – RJ10 (4P4C)
- Terminal blocks: 45° push terminals

Functions

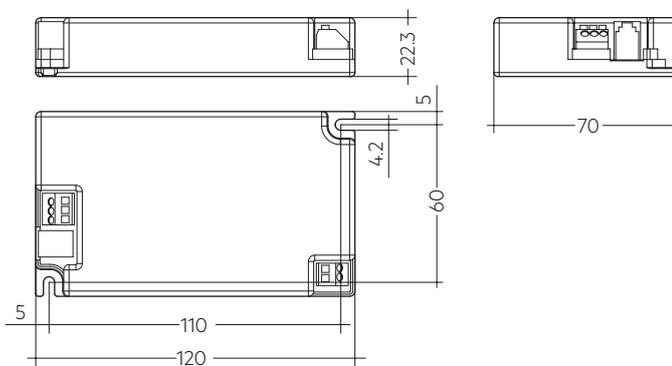
- Configuration and output current adjustment via unc interface
- Service monitor to log events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Allows integration into IP connected lighting system
- Flexible configuration via unc interface
- Application-oriented operating window for maximum compatibility

Typical applications

- LED Driver for wired and wireless spotlights and downlights in retail and/or office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	99 – 132 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ^{2) 3)}	24 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 150 µA
Max. input power	29.6 W
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	86 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.98
Typ. input current in no-load operation	1.78 mA
Typ. input power in no-load operation	0.45 W
In-rush current (peak / duration)	25 A / 135 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 1.12 s
Starting time (DC mode)	< 0.846 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 6.5 ms
Output current tolerance ¹⁾	± 3 %
Max. output current peak (non-repetitive)	≤ output current + 40 %
Output LF current ripple (< 120 Hz)	± 2 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1 – 100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	120 x 70 x 22.3 mm

For standards see data sheet

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
net4more driver 25W 350-1050mA C unc	28001514	10 pc(s).	960 pc(s).	0.154 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load) ^{1) 2)}	Typ. current consumption (at 230 V, 50 Hz, full load) ^{1) 3)}	Max. casing temperature tc	Ambient temperature ta max.
net4more driver 25W 350-1050mA C unc	350 mA	20 V	50.0 V	17.5 W	22.0 W	99 mA	90 °C	-25 ... +60 °C
	400 mA	20 V	50.0 V	20.0 W	24.5 W	110 mA	90 °C	-25 ... +60 °C
	450 mA	20 V	50.0 V	22.5 W	27.0 W	121 mA	85 °C	-25 ... +55 °C
	500 mA	20 V	50.0 V	25.0 W	29.6 W	132 mA	85 °C	-25 ... +55 °C
	550 mA	20 V	45.5 V	25.0 W	29.2 W	130 mA	85 °C	-25 ... +55 °C
	600 mA	20 V	41.7 V	25.0 W	29.0 W	130 mA	85 °C	-25 ... +55 °C
	650 mA	20 V	38.5 V	25.0 W	28.9 W	129 mA	80 °C	-25 ... +60 °C
	700 mA	20 V	35.7 V	25.0 W	28.9 W	129 mA	80 °C	-25 ... +60 °C
	750 mA	20 V	33.3 V	25.0 W	28.8 W	128 mA	80 °C	-25 ... +60 °C
	800 mA	20 V	31.3 V	25.0 W	28.9 W	129 mA	80 °C	-25 ... +60 °C
	850 mA	20 V	29.4 V	25.0 W	28.9 W	129 mA	80 °C	-25 ... +60 °C
	900 mA	20 V	27.8 V	25.0 W	29.0 W	129 mA	80 °C	-25 ... +60 °C
	950 mA	20 V	26.3 V	25.0 W	29.0 W	129 mA	80 °C	-25 ... +60 °C
	1,000 mA	20 V	25.0 V	25.0 W	29.1 W	130 mA	80 °C	-25 ... +60 °C
	1,050 mA	20 V	23.8 V	25.0 W	29.2 W	130 mA	80 °C	-25 ... +60 °C

¹⁾ Valid at 100 % dimming level.²⁾ Depending on the selected output current.³⁾ Measurement values without devices at unc bus.



NEW

net4more driver 45W 500-1400mA C un:c

LED Driver for net4more systems

Product description

- Dimmable built-in constant current LED Driver for IP connected luminaires
- Adjustable output current between 500 and 1,400 mA via un:c interface
- Max. output power 45 W
- Up to 88 % efficiency
- Dimming range 1 – 100 %
- Life-time up to 100,000 hours
- 5-year guarantee
- net4more articles are part of the net4more toolbox consisting of hardware and software and can be ordered with the system via your local sales team

Housing properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- un:c – RJ10 (4P4C)
- Terminal blocks: 45° push terminals

Functions

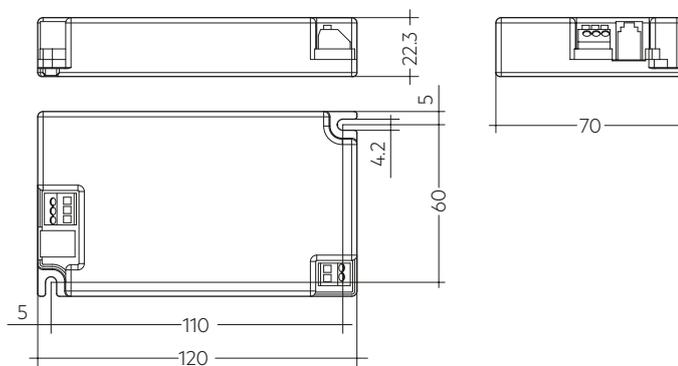
- Configuration and output current adjustment via un:c interface
- Service monitor to log events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Allows integration into IP connected lighting system
- Flexible configuration via un:c interface
- Application-oriented operating window for maximum compatibility

Typical applications

- LED Driver for wired and wireless spotlights and downlights in retail and/or office applications
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2) 3)}	136 – 229 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ^{2) 3)}	34 – 40 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 150 µA
Max. input power	51.4 W
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	88 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.99
Typ. input current in no-load operation	2.2 mA
Typ. input power in no-load operation	0.44 W
In-rush current (peak / duration)	20.5 A / 162 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 6.7 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 1.137 s
Starting time (DC mode)	< 0.84 s
Switchover time (AC/DC)	< 0.38 s
Turn off time (at 230 V, 50 Hz, full load)	< 5 ms
Output current tolerance ¹⁾	± 3 %
Max. output current peak (non-repetitive)	≤ output current + 40 %
Output LF current ripple (< 120 Hz)	± 2 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1 – 100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	120 x 70 x 22.3 mm

For standards see data sheet

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
net4more driver 45W 500-1400mA C unc	28001533	10 pc(s).	960 pc(s).	0.162 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load) ^{1) 2)}	Typ. current consumption (at 230 V, 50 Hz, full load) ^{1) 3)}	Max. casing temperature tc	Ambient temperature ta max.
net4more driver 45W 500-1400mA C unc	500 mA	25 V	50.0 V	25.0 W	30.0 W	136 mA	90 °C	-25 ... +50 °C
	550 mA	25 V	50.0 V	27.5 W	32.6 W	147 mA	90 °C	-25 ... +50 °C
	600 mA	25 V	50.0 V	30.0 W	35.2 W	158 mA	90 °C	-25 ... +50 °C
	650 mA	25 V	50.0 V	32.5 W	37.8 W	169 mA	95 °C	-25 ... +50 °C
	700 mA	25 V	50.0 V	35.0 W	40.5 W	181 mA	95 °C	-25 ... +50 °C
	750 mA	25 V	50.0 V	37.5 W	43.1 W	192 mA	95 °C	-25 ... +50 °C
	800 mA	25 V	50.0 V	40.0 W	45.8 W	203 mA	100 °C	-25 ... +50 °C
	850 mA	25 V	50.0 V	42.5 W	48.5 W	215 mA	100 °C	-25 ... +50 °C
	900 mA	25 V	50.0 V	45.0 W	51.2 W	227 mA	100 °C	-25 ... +50 °C
	950 mA	25 V	50.0 V	47.5 W	51.1 W	227 mA	100 °C	-25 ... +50 °C
	1,000 mA	25 V	50.0 V	50.0 W	51.2 W	227 mA	100 °C	-25 ... +50 °C
	1,050 mA	25 V	42.9 V	45.0 W	51.2 W	227 mA	100 °C	-25 ... +50 °C
	1,100 mA	25 V	40.9 V	45.0 W	51.1 W	227 mA	100 °C	-25 ... +50 °C
	1,150 mA	25 V	39.1 V	45.0 W	51.2 W	227 mA	100 °C	-25 ... +50 °C
	1,200 mA	25 V	37.5 V	45.0 W	51.3 W	227 mA	100 °C	-25 ... +50 °C
	1,250 mA	25 V	36.0 V	45.0 W	51.3 W	227 mA	100 °C	-25 ... +50 °C
	1,300 mA	25 V	34.6 V	45.0 W	51.4 W	228 mA	100 °C	-25 ... +50 °C
1,350 mA	25 V	33.3 V	45.0 W	51.5 W	229 mA	100 °C	-25 ... +50 °C	
1,400 mA	25 V	32.1 V	45.0 W	51.3 W	228 mA	100 °C	-25 ... +50 °C	

¹⁾ Valid at 100 % dimming level.²⁾ Depending on the selected output current.³⁾ Measurement values without devices at unc bus.



NEW

net4more driver 50W 100-400mA Ip unc

LED Driver for net4more systems

Product description

- Dimmable built-in constant current LED Driver for IP connected luminaires
- Adjustable output current between 100 and 400 mA via un:c interface
- Max. output power 50 W
- Up to 90 % efficiency
- Dimming range 1 – 100 %
- Life-time up to 100,000 hours
- 5-year guarantee
- net4more articles are part of the net4more toolbox consisting of hardware and software and can be ordered with the system via your local sales team

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- un:c – RJ10 (4P4C)
- Terminal blocks: 0° push terminals

Functions

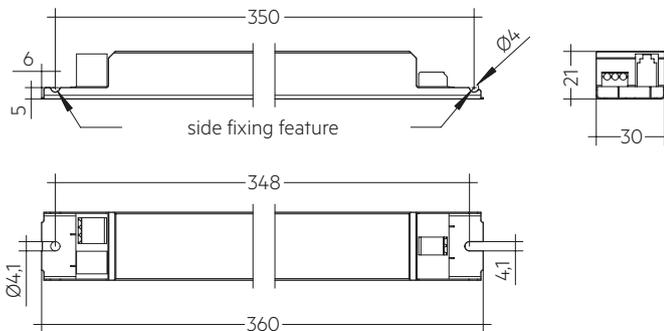
- Configuration and output current adjustment via un:c interface
- Service monitor to log events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Allows integration into IP connected lighting system
- Flexible configuration via un:c interface
- Application-oriented operating window for maximum compatibility

Typical applications

- LED Driver for wired and wireless linear/area luminaires in office applications, in combination with dedicated net4more comMOD
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2) 3)}	90 – 244 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ^{2) 3)}	34 – 45 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 210 µA
Max. input power	551 W
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	90 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.98
Typ. input current in no-load operation	2.3 mA
Typ. input power in no-load operation	0.48 W
In-rush current (peak / duration)	29 A / 180 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 13.4 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 1.15 s
Starting time (DC mode)	< 0.85 s
Switchover time (AC/DC)	< 0.36 s
Turn off time (at 230 V, 50 Hz, full load)	< 5 ms
Output current tolerance ¹⁾	± 3 %
Max. output current peak (non-repetitive)	≤ output current + 15 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage (no-load voltage)	250 V
Dimming range	1 – 100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	360 x 30 x 21 mm



For standards see data sheet

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
net4more driver 50W 100-400mA Ip unc	28001530	10 pc(s).	760 pc(s).	0.25 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load) ^{1) 2)}	Typ. current consumption (at 230 V, 50 Hz, full load) ^{1) 3)}	Max. casing temperature tc	Ambient temperature ta max.
net4more driver 50W 100-400mA Ip unc	100 mA	50 V	140 V	14.0 W	18.4 W	90 mA	80 °C	-25 ... +60 °C
	125 mA	50 V	140 V	17.5 W	21.9 W	105 mA	80 °C	-25 ... +60 °C
	150 mA	50 V	140 V	21.0 W	25.4 W	119 mA	85 °C	-25 ... +60 °C
	175 mA	50 V	140 V	24.5 W	29.0 W	134 mA	85 °C	-25 ... +60 °C
	200 mA	50 V	140 V	28.0 W	32.6 W	148 mA	85 °C	-25 ... +60 °C
	225 mA	50 V	140 V	31.5 W	36.2 W	164 mA	85 °C	-25 ... +60 °C
	250 mA	50 V	140 V	35.0 W	39.9 W	179 mA	85 °C	-25 ... +60 °C
	275 mA	50 V	140 V	38.5 W	43.4 W	194 mA	85 °C	-25 ... +60 °C
	300 mA	50 V	140 V	42.0 W	47.1 W	210 mA	85 °C	-25 ... +60 °C
	325 mA	50 V	140 V	42.5 W	50.8 W	226 mA	85 °C	-25 ... +60 °C
	350 mA	50 V	140 V	49.0 W	54.4 W	241 mA	85 °C	-25 ... +60 °C
	375 mA	50 V	133 V	50.0 W	55.1 W	244 mA	85 °C	-25 ... +60 °C
	400 mA	50 V	125 V	50.0 W	54.9 W	244 mA	85 °C	-25 ... +60 °C

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Measurement values without devices at unc bus.



NEW

net4more driver 75W 100-400mA Ip un:c
LED Driver for net4more systems

Product description

- Dimmable built-in constant current LED Driver for IP connected luminaires
- Adjustable output current between 100 and 400 mA via un:c interface
- Max. output power 75 W
- Up to 91 % efficiency
- Dimming range 1 – 100 %
- Life-time up to 100,000 hours
- 5-year guarantee
- net4more articles are part of the net4more toolbox consisting of hardware and software and can be ordered with the system via your local sales team

Housing properties

- Low profile metal casing
- Type of protection IP20

Interfaces

- un:c – RJ10 (4P4C)
- Terminal blocks: 0° push terminals

Functions

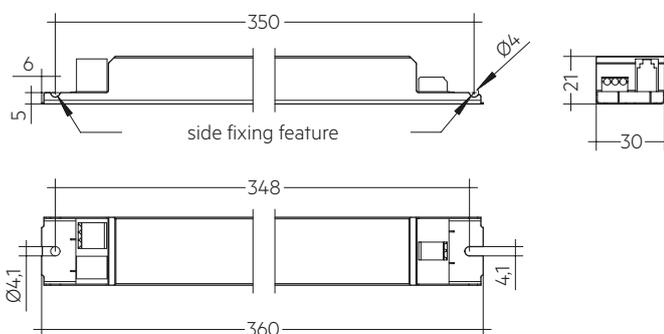
- Configuration and output current adjustment via un:c interface
- Service monitor to log events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency escape lighting systems acc. to EN 50172

Benefits

- Allows integration into IP connected lighting system
- Flexible configuration via un:c interface
- Application-oriented operating window for maximum compatibility

Typical applications

- LED Driver for wired and wireless linear/area luminaires in office applications, in combination with dedicated net4more comMOD
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overtoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2) 3)}	130 – 360 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ^{2) 3)}	35 – 65 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 210 µA
Max. input power	82.1 W
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	91 %
λ (at 230 V, 50 Hz, full load) ¹⁾	0.99
Typ. input current in no-load operation	2.3 mA
Typ. input power in no-load operation	0.47 W
In-rush current (peak / duration)	28.8 A / 155 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 13.2 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 1.172 s
Starting time (DC mode)	< 0.86 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 6 ms
Output current tolerance ¹⁾	± 3 %
Max. output current peak (non-repetitive)	≤ output current + 15 %
Output LF current ripple (< 120 Hz)	± 1.5 %
Max. output voltage (no-load voltage)	250 V
Dimming range	1 – 100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	360 x 30 x 21 mm



For standards see data sheet

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
net4more driver 75W 100-400mA Ip unc	28001531	10 pc(s).	760 pc(s).	0.251 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load) ^{1) 2)}	Typ. current consumption (at 230 V, 50 Hz, full load) ^{1) 3)}	Max. casing temperature tc	Ambient temperature ta max.
net4more driver 75W 100-400mA Ip unc	100 mA	110 V	220 V	22.0 W	27.9 W	133 mA	85 °C	-25 ... +60 °C
	125 mA	110 V	220 V	27.5 W	33.6 W	156 mA	85 °C	-25 ... +55 °C
	150 mA	110 V	220 V	33.0 W	39.3 W	180 mA	85 °C	-25 ... +55 °C
	175 mA	110 V	220 V	38.5 W	45.0 W	204 mA	85 °C	-25 ... +55 °C
	200 mA	110 V	220 V	44.0 W	50.6 W	227 mA	85 °C	-25 ... +55 °C
	225 mA	110 V	220 V	49.5 W	56.2 W	251 mA	85 °C	-25 ... +55 °C
	250 mA	110 V	220 V	55.0 W	61.8 W	275 mA	85 °C	-25 ... +55 °C
	275 mA	110 V	220 V	60.5 W	67.5 W	300 mA	80 °C	-25 ... +60 °C
	300 mA	110 V	220 V	66.0 W	73.2 W	325 mA	80 °C	-25 ... +60 °C
	325 mA	110 V	220 V	71.5 W	79.0 W	350 mA	80 °C	-25 ... +60 °C
	350 mA	110 V	214 V	75.0 W	82.6 W	366 mA	80 °C	-25 ... +60 °C
	375 mA	110 V	200 V	75.0 W	82.4 W	365 mA	80 °C	-25 ... +60 °C
	400 mA	110 V	188 V	75.0 W	82.4 W	365 mA	80 °C	-25 ... +60 °C

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Measurement values without devices at unc bus.



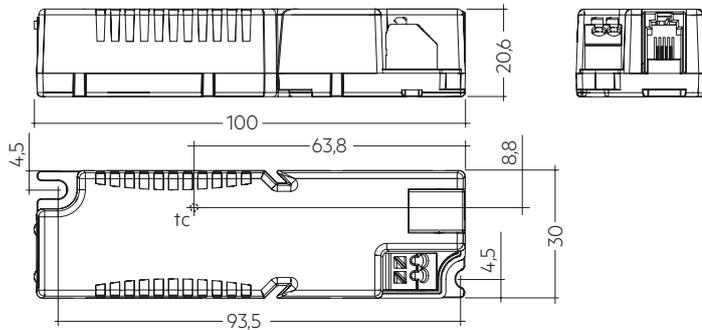
NEW

net4more comMODULE un:c-PoE

PoE comMODULE for net4more system

Product description

- Component of the net4more system
 - PoE comMODULE with power supply for LED Driver
 - Fast installation with preassembled cables
 - No need to install additional electrical infrastructure
 - SELV protection
 - World wide accepted technology
 - Power supply via PoE
 - PoE IEEE 802.3at (25.5 W)
 - net4more articles are part of the net4more toolbox consisting of hardware and software and can be ordered with the system via your local sales team
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Technical data

Supply via	PoE
PoE standard	IEEE 802.3at (25.5 W)
Power consumption comMODULE	0.79 W
Max. output power for LED Driver	24.7 W
Operating temperature	-25 ... +60 °C
tc point	80 °C
Storage temperature	-40 ... +80 °C
Dimensions L x W x H	100 x 30 x 20.6 mm
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
net4more comMOD un:c-PoE	28001576	120 pc(s).	0.043 kg

net4more cable un:c

Product description

- RJ10 un:c connection cable in various lengths



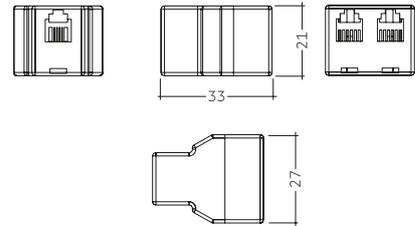
Ordering data

Type	Article number	Packaging, carton	Weight per pc.
net4more cable 50mm un:c	28001674	200 pc(s).	0.002 kg
net4more cable 100mm un:c	28001675	200 pc(s).	0.003 kg
net4more cable 200mm un:c	28001676	200 pc(s).	0.004 kg
net4more cable 300mm un:c	28001677	200 pc(s).	0.006 kg
net4more cable 500mm un:c	28001678	200 pc(s).	0.008 kg

net4more 3way Splitter un:c

Product description

- un:c 3-way-splitter
- For wiring of additional components



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
net4more 3way Splitter un:c	28001664	100 pc(s).	0.02 kg



NEW

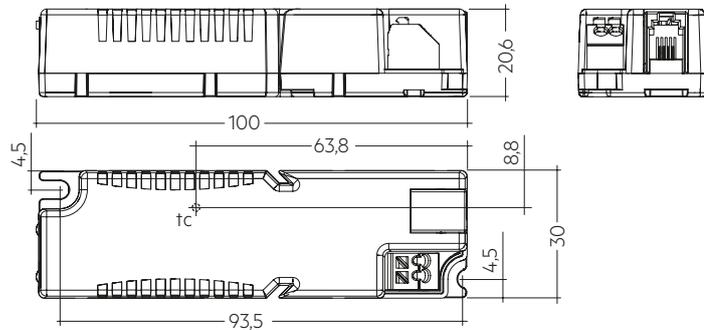
net4more comMODULE 5V un:c-PoE
PoE comMODULE for net4more system

Product description

- Component of the net4more system
 - PoE comMODULE with 5 V un:c power supply
 - For the supply of independent sensors
 - SELV protection
 - Power supply via PoE
 - PoE IEEE 802.3at (25.5 W)
 - net4more articles are part of the net4more toolbox consisting of hardware and software and can be ordered with the system via your local sales team
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet



Technical data

Supply via	PoE
PoE standard	IEEE 802.3at (25.5 W)
Power consumption comMODULE	1.25 W
Max. output power for un:c	1 W
Operating temperature	-25 ... +60 °C
tc point	80 °C
Storage temperature	-40 ... +80 °C
Dimensions L x W x H	100 x 30 x 20.6 mm
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
net4more comMOD 5V un:c-PoE	28001577	120 pc(s)	0.043 kg

net4more cable un:c

Product description

- RJ10 un:c connection cable in various lengths



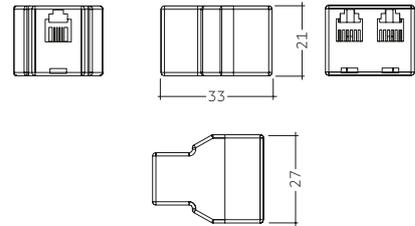
Ordering data

Type	Article number	Packaging, carton	Weight per pc.
net4more cable 50mm un:c	28001674	200 pc(s).	0.002 kg
net4more cable 100mm un:c	28001675	200 pc(s).	0.003 kg
net4more cable 200mm un:c	28001676	200 pc(s).	0.004 kg
net4more cable 300mm un:c	28001677	200 pc(s).	0.006 kg
net4more cable 500mm un:c	28001678	200 pc(s).	0.008 kg

net4more 3way Splitter un:c

Product description

- un:c 3-way-splitter
- For wiring of additional components



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
net4more 3way Splitter un:c	28001664	100 pc(s).	0.02 kg



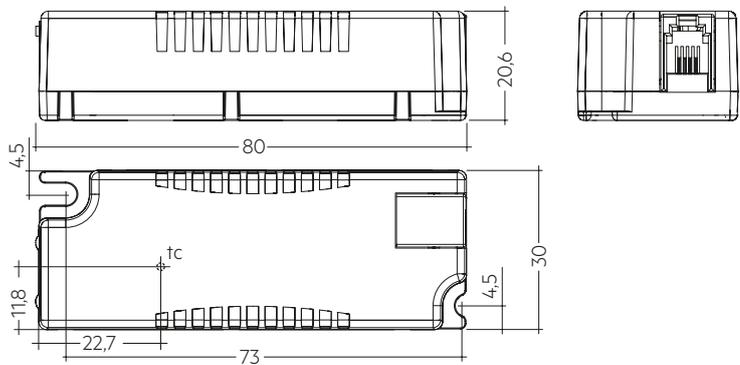
NEW

net4more comMODULE un:c-Ethernet

Ethernet comMODULE for net4more system

Product description

- Component of the net4more system
 - Ethernet comMODULE
 - To support higher wattages as provided by PoE
 - Power supply via un:c bus
 - net4more articles are part of the net4more toolbox consisting of hardware and software and can be ordered with the system via your local sales team
- For product data sheet go to www.tridonic.com, or available on request



→
For standards see data sheet

Technical data

Supply via	un:c bus
Power consumption via un:c	0.9 W
Current draw via un:c	179 mA
Operating temperature	-25 ... +60 °C
tc point	70 °C
Storage temperature	-40 ... +80 °C
Dimensions L x W x H	100 x 30 x 20.6 mm
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
net4more comMOD un:c-PoE	28001576	120 pc(s).	0.043 kg

ACCES-
SORIES

net4more cable un:c

Product description

- RJ10 un:c connection cable in various lengths



Ordering data

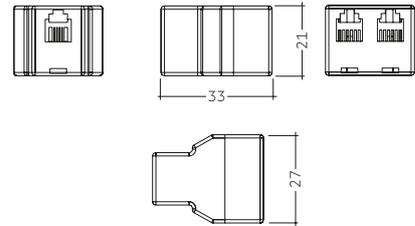
Type	Article number	Packaging, carton	Weight per pc.
net4more cable 50mm un:c	28001674	200 pc(s).	0.002 kg
net4more cable 100mm un:c	28001675	200 pc(s).	0.003 kg
net4more cable 200mm un:c	28001676	200 pc(s).	0.004 kg
net4more cable 300mm un:c	28001677	200 pc(s).	0.006 kg
net4more cable 500mm un:c	28001678	200 pc(s).	0.008 kg

ACCES-
SORIES

net4more 3way Splitter un:c

Product description

- un:c 3-way-splitter
- For wiring of additional components



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
net4more 3way Splitter un:c	28001664	100 pc(s).	0.02 kg

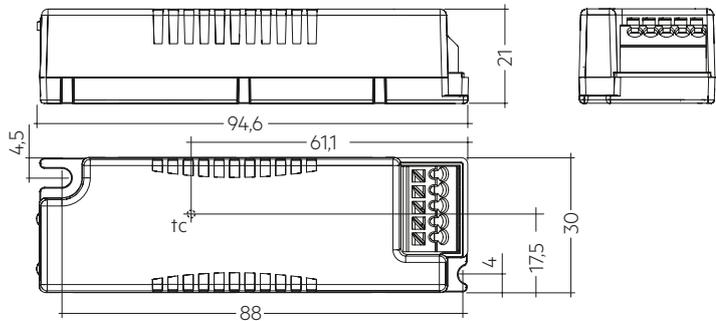


NEW

net4more switchMODULE PoE
switchMODULE for net4more system

Product description

- Component of the net4more system
 - 4 independent inputs for floating contacts
 - For connecting standard momentary-action switch or switches
 - Max. 5 m cable length to the wallswitches
 - Power supply via PoE
 - PoE IEEE 802.3af (15.4 W)
 - net4more articles are part of the net4more toolbox consisting of hardware and software and can be ordered with the system via your local sales team
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Technical data

Supply via	PoE
PoE standard	IEEE 802.3af (15.4 W)
Power consumption via un:c	1 W
Input	4 momentary-action switches (potential free)
Operating temperature	-25 ... +60 °C
tc point	80 °C
Storage temperature	-40 ... +80 °C
Dimensions L x W x H	94.6 x 30 x 21 mm
Type of protection	IP20

Ordering data

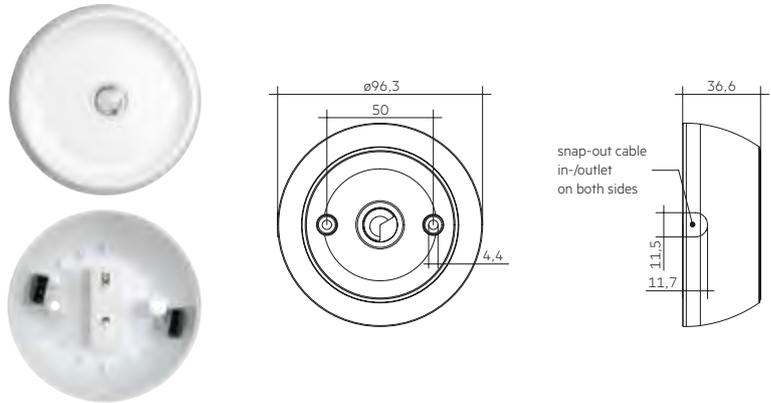
Type	Article number	Packaging, carton	Weight per pc.
net4more switchMOD PoE	28001578	120 pc(s).	0.039 kg

ACCESSORIES

ACU Sensor Housing 14rs IP20

Product description

- Mounting frame for all 5DP 14f sensors allowing direct mounting to the ceiling
- Easy „click in“ installation of the sensor
- IP20
- Casing: plastic, white
- UV stabilized plastic
- Optional shutter for reduction of movement detection area allowing to decrease the movement detection area from 360° to 240°
- Mounting kit with screws and decorative plugs
- 0.5 mm wiring for the sensor
- Two 3 x 1.5 mm² clamps with cable management (2 entry points on oppsite sides)



Ordering data

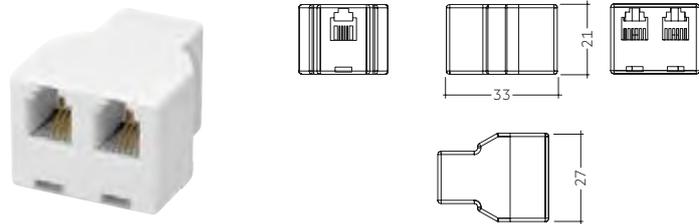
Type	Article number	Packaging, carton	Weight per pc.
ACU Sensor Housing 14rs IP20	28001872	52 pc(s).	0.08 kg

ACCESSORIES

net4more 3way Splitter un:c

Product description

- un:c 3-way-splitter
- For wiring of additional components



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
net4more 3way Splitter un:c	28001664	100 pc(s).	0.02 kg

ACCESSORIES

5DPI 14f Mounting Kit

Product description

- Mounting frame for attaching all 5DP 14f sensor directly to the luminaire housing
- Shutter for preventing movement detection in one direction



Ordering data

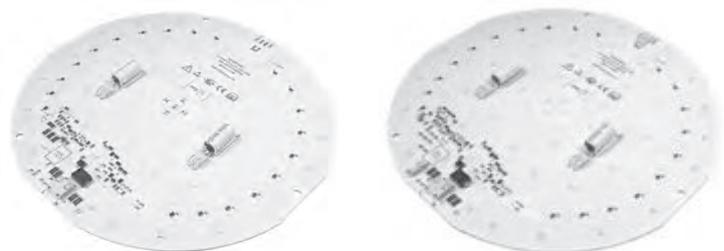
Type	Article number	Packaging, carton	Weight per pc.
5DPI 14f mounting kit	28001558	100 pc(s).	0.004 kg
5DPI 14f mounting kit black	28001575	100 pc(s).	0.004 kg



Engine STARK CLE-AC-160-1500
Engine CLE ADVANCED

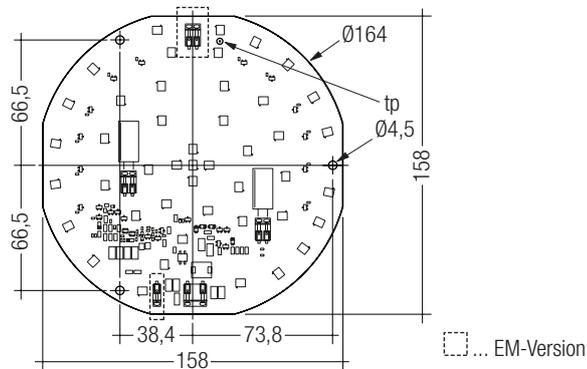
Product description

- Module with integrated electronics
 - Economic one-piece solution
 - Easy refitting of existing luminaires
 - Ideal for ceiling-mounted and wallmounted luminaires
 - Enables thin designs of luminaires
 - High colour rendering index CRI > 80
 - Small colour tolerance (MacAdam 3)
 - System efficacy of the module up to 100 lm/W
 - Integrated separate emergency LEDs, controlled via EM powerLED
 - Simple CORRIDOR FUNCTION in combination with any sensor
 - Touch cover: Protection against direct touch of active parts in transparent or diffuse finish, see accessories
 - Life-time 50,000 h L80F10
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



CLE-AC-160

CLE-AC-160 EM



Technical data

Rated supply voltage AC	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. λ	0.97
THD	20 %
Beam characteristic	120°
Ambient temperature ta	-25 ... +55 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
CLE-AC-160-1500-830-CLA	89800421	3,000 K	10 pc(s).	0.065 kg
CLE-AC-160-1500-840-CLA	89800422	4,000 K	10 pc(s).	0.065 kg
CLE-AC-160-1500-830-CLA-EM-CF	89800423	3,000 K	10 pc(s).	0.065 kg
CLE-AC-160-1500-840-CLA-EM-CF	89800424	4,000 K	10 pc(s).	0.065 kg



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Photometric code	Typ. luminous flux at tp = 25 °C ¹⁾	Typ. luminous flux at tp = 65 °C ¹⁾	Input current	Input power	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI	Energy classification
Normal operation								
CLE-AC-160-1500-830-CLA	830/339	1,600 lm	1,450 lm	65 mA	14,5 W	100 lm/W	> 80	A+
CLE-AC-160-1500-840-CLA	840/339	1,600 lm	1,450 lm	65 mA	14,5 W	100 lm/W	> 80	A+
Emergency operation								
CLE-AC-160-1500-830-CLA-EM-CF	830/339	130 lm	120 lm	–	–	–	> 80	–
CLE-AC-160-1500-840-CLA-EM-CF	840/339	130 lm	120 lm	–	–	–	> 80	–

¹⁾ Tolerance range for optical and electrical data: ±10 %.

ACC COVER 160mm TRANSP

Product description

- Cover for CLE-AC-160
- Protection against direct touch of active parts
- Fixation with non-removable fasteners
- High transmission: 92 % for transparent version, 68 % for diffuse version
- Touch cover made of polycarbonate

**Ordering data**

Type	Article number	Colour	Packaging, carton	Packaging	Weight per pc.
ACC COVER 160mm TRANSP	28001033	Transparent	10 pc(s).	240 pc(s).	0.048 kg
ACC COVER 160mm DIFFUSE	28001759	Diffuse	10 pc(s).	240 pc(s).	0.048 kg



Engine CLE AC G2 220mm 2500lm ADV
Engine CLE ADVANCED

Product description

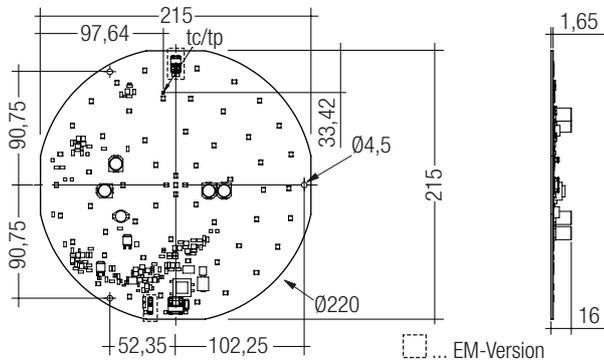
- Module with integrated electronics
 - Economic one-piece solution
 - Easy refitting of existing luminaires
 - Ideal for ceiling-mounted and wallmounted luminaires
 - Enables thin designs of luminaires
 - High colour rendering index CRI > 80
 - Small colour tolerance (MacAdam 3)
 - System efficacy of the module up to 117 lm/W
 - Integrated separate emergency LED modules, controlled via EM powerLED
 - Simple CORRIDOR FUNCTION in combination with any sensor
 - Touch cover: Protection against direct touch of active parts
 - Life-time of 50,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



CLE AC G2 220mm 2500lm ADV



CLE AC G2 220mm 2500lm ADV EM CF



Technical data

Rated supply voltage AC	220 – 240 V
Input voltage AC	196 – 264 V
Mains frequency	50 / 60 Hz
λ (at 230 V, 50 Hz)	0.97
THD	30 %
Beam characteristic	120°
Ambient temperature ta	-25 ... +45 °C
tp rated	65 °C
tc	85 °C
ESD classification	Severity level 4
Risk group (EN 62471:2008)	RGO
Classification acc. to IEC 62031	Built-in
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
CLE AC G2 220mm 2500lm 830 ADV	89800515	3.000 K	10 pc(s).	0.115 kg
CLE AC G2 220mm 2500lm 840 ADV	89800516	4.000 K	10 pc(s).	0.115 kg
CLE AC G2 220mm 2500lm 830 ADV EM CF	89800517	3.000 K	10 pc(s).	0.119 kg
CLE AC G2 220mm 2500lm 840 ADV EM CF	89800518	4.000 K	10 pc(s).	0.119 kg



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Photometric code	Typ. luminous flux at tp = 25 °C ¹⁾	Typ. luminous flux at tp = 65 °C ¹⁾	Input current at tp = 65 °C ¹⁾	Input power at tp = 65 °C ¹⁾	Efficacy of the system at tp = 65 °C	Colour rendering index CRI
Normal operation							
CLE AC 220mm 2500lm 830 ADV	830/359	2,450 lm	2,320 lm	95.0 mA	21.90 W	106 lm/W	> 80
CLE AC 220mm 2500lm 840 ADV	840/359	2,700 lm	2,560 lm	95.0 mA	21.90 W	117 lm/W	> 80
CF operation 10 %							
CLE AC 220mm 2500lm 830 ADV EM	830/359	240 lm	230 lm	13.5 mA	2.95 W	78 lm/W	> 80
CLE AC 220mm 2500lm 840 ADV EM	840/359	250 lm	240 lm	13.5 mA	2.95 W	82 lm/W	> 80
Emergency operation at 350 mA							
CLE AC 220mm 2500lm 830 ADV EM	830/359	315 lm	300 lm	350.0 mA	–	–	> 80
CLE AC 220mm 2500lm 840 ADV EM	840/359	330 lm	315 lm	350.0 mA	–	–	> 80

¹⁾ Tolerance range for optical and electrical data: ±10 %.



NEW

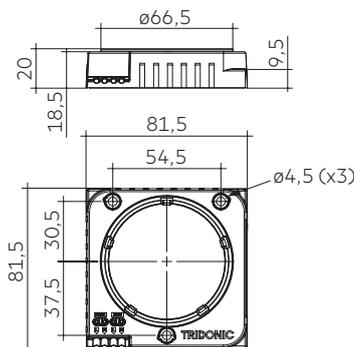
Engine DLE AC G3 one4all PRE

Engine DLE PREMIUM

Product description

- Module with integrated electronics
- For downlights
- Light engine operating with 220 – 240 V AC
- Dimming range 1 – 100 %
- one4all (DALI, DSI, switchDIM, corridorFUNCTION)
- Overtemperature protection
- Luminous flux range from 2,000 / 3,000 lm
- High system efficacy up to 111 lm/W at $t_p = 65\text{ °C}$
- Nominal life-time up to 50,000 h (L70/F10)
- Small colour tolerance MacAdam 3
- Fixing holes for M4 screws
- Dimmable
- Cooling required
- 5-year guarantee

→ For product data sheet go to www.tridonic.com,
or available on request

**Technical data**

Rated supply voltage	220 – 240 V
Input voltage range	198 – 264 V
Mains current (at 230 V, 50 Hz, full load) 2,000 lm ³⁾	78 mA
Mains current (at 230 V, 50 Hz, full load) 3,000 lm ³⁾	126 mA
Leakage current (PE)	< 0.28 mA
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz, full load)	0.95
THD	< 17 %
Flicker	< 10 %
Beam characteristic	80°
Ambient temperature t_a	-25 ... +45 °C
Typ. t_p temperature ¹⁾	65 °C
Max. t_c point temperature ¹⁾	80 °C
Dimming range	1 – 100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
ESD classification	Severity level 4
Risk group (EN 62471:2008)	RG 1
Classification acc. to IEC 62031	Built-in
Type of protection	IP20
Overvoltage protection	275 V continuous
Typ. power input on stand-by	< 0.5 W
Starting time (at 230 V, 50 Hz, full load)	< 0,65 s
Turn off time (at 230 V, 50 Hz, full load)	< 1 s

Ordering data

Type	Article number	Colour temperature	Casing	Packaging, carton	Weight per pc.
DLE AC G3 60MM 2000LM 830 o4a PRE	89602990	3.000 K	yes	10 pc(s).	0.06 kg
DLE AC G3 60MM 2000LM 840 o4a PRE	89602991	4.000 K	yes	10 pc(s).	0.06 kg
DLE AC G3 60MM 3000LM 830 o4a PRE	89602992	3.000 K	yes	10 pc(s).	0.06 kg
DLE AC G3 60MM 3000LM 840 o4a PRE	89602993	4.000 K	yes	10 pc(s).	0.06 kg

Specific technical data

Type	Photometric code	Luminous flux at tp = 25 °C ²⁾	Luminous flux at tp = 65 °C ²⁾	Input power ³⁾	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI	Energy classification
DLE AC G3 60mm 2000lm o4a PRE							
DLE AC G3 60MM 2000LM 830 o4a PRE	830/359	2,100 lm	2,000 lm	18 W	111 lm/W	80	A+
DLE AC G3 60MM 2000LM 840 o4a PRE	840/359	2,100 lm	2,000 lm	18 W	111 lm/W	80	A+
DLE AC G3 60mm 3000lm o4a PRE							
DLE AC G3 60MM 3000LM 830 o4a PRE	830/359	3,100 lm	3,000 lm	29 W	103 lm/W	80	A+
DLE AC G3 60MM 3000LM 840 o4a PRE	840/359	3,100 lm	3,000 lm	29 W	103 lm/W	80	A+

¹⁾ If the max. temperature limits are exceeded, the life of the system will be greatly reduced or the system may be damaged. The temperature of the LED module at the tp-point is to be measured in the thermally stable state with a temperature sensor or or temperature-sensitive sticker as per EN 60598-1. For the precise position of the tp point see the drawing in the data sheet.

²⁾ Tolerance range for optical data: ±10 %.

³⁾ All values at tp = 65 °C.

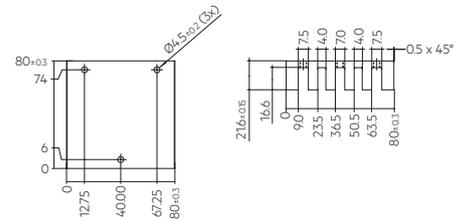
Measured at 230 V / 50 Hz.

ACCES-
SORIES

DLE GEN2 Adapter

Product description

- The adapter plate does not replace a heat sink



Ordering data

Type	Article number	Packaging	Weight per pc.
DLE GEN2 Adapter	28000420	1 pc(s).	0.250 kg



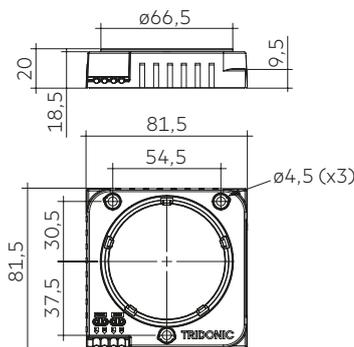
NEW

Engine DLE AC G3 FO ADV

Engine DLE ADVANCED

Product description

- Module with integrated electronics
 - For downlights
 - Plug for the operating current switch is included
 - Light engine operating with 220 – 240 V AC
 - Luminous flux selectable with 2,000 lm or 3,000 lm
 - High system efficacy up to 114 lm/W at $t_p = 65\text{ °C}$
 - Nominal life-time up to 50,000 h (L70/F10)
 - Small colour tolerance MacAdam 3
 - Fixing holes for M4 screws
 - Not dimmable
 - Cooling required
 - 5-year guarantee
- For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

For colour temperatures and tolerances see data sheet

Technical data

Rated supply voltage	220 – 240 V
Input voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Mains current (at 230 V, 50 Hz, full load) without plug ³⁾	76 mA
Mains current (at 230 V, 50 Hz, full load) with plug ³⁾	124 mA
Leakage current (PE)	< 0.41 mA
Oversvoltage protection	275 V continuous
Typ. λ	0.98
THD	< 20 %
Flicker	< 10 %
Starting time (at 230 V, 50 Hz, full load)	< 0.3 s
Turn off time (at 230 V, 50 Hz, full load)	< 1 s
Beam characteristic	80°
Ambient temperature t_a	-25 ... +45 °C
Typ. t_p temperature ¹⁾	65 °C
Max. t_c point temperature ¹⁾	80 °C
Dimming range	1 – 100 %
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
ESD classification	Severity level 4
Risk group (EN 62471:2008)	RG 1
Type of protection	IP20

Ordering data

Type	Article number	Colour temperature	Casing	Packaging, carton	Weight per pc.
DLE AC G3 60MM 2000/3000LM 830 ADV	89602988	3.000 K	yes	10 pc(s).	0.06 kg
DLE AC G3 60MM 2000/3000LM 840 ADV	89602989	4.000 K	yes	10 pc(s).	0.06 kg

Specific technical data

Type	Photometric code	Luminous flux at tp = 25 °C ²⁾	Luminous flux at tp = 65 °C ²⁾	Input power ³⁾	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI	Energy classification
DLE AC G3 60mm 2000/3000lm ADV – without plug							
DLE AC G3 60MM 2000/3000LM 830 ADV	830/359	2,100 lm	2,000 lm	17.5 W	114 lm/W	80	A+
DLE AC G3 60MM 2000/3000LM 840 ADV	840/359	2,100 lm	2,000 lm	17.5 W	114 lm/W	80	A+
DLE AC G3 60mm 2000/3000lm ADV – with plug							
DLE AC G3 60MM 2000/3000LM 830 ADV	830/359	3,100 lm	3,000 lm	28.5 W	105 lm/W	80	A+
DLE AC G3 60MM 2000/3000LM 840 ADV	840/359	3,100 lm	3,000 lm	28.5 W	105 lm/W	80	A+

¹⁾ If the max. temperature limits are exceeded, the life of the system will be greatly reduced or the system may be damaged. The temperature of the LED module at the tp-point is to be measured in the thermally stable state with a temperature sensor or or temperature-sensitive sticker as per EN 60598-1. For the precise position of the tp point see the drawing in the data sheet.

²⁾ Tolerance range for optical data: ±10 %.

³⁾ All values at tp = 65 °C.

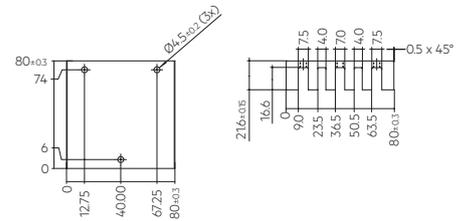
Measured at 230 V / 50 Hz.

ACCES-
SORIES

DLE GEN2 Adapter

Product description

- The adapter plate does not replace a heat sink



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DLE GEN2 Adapter	28000420	1 pc(s).	0.250 kg



Engine LLE AC G1 24mm SNC

Engine LLE ESSENCE

Product description

- Module with integrated electronics
 - Ideal for linear luminaires
 - Economic one-stop solution
 - Enables thin designs of luminaires
 - Typ. luminous flux (HO) 2,400, 4,800, 6,000, 6,200 and 7,500 lm
 - High system efficacy up to 140 lm/W (HE), 150 lm/W (HO)
 - Colour temperatures 3,000, 4,000 and 6,500 K
 - Module dimensions 24 x 560 mm, 24 x 1,150 mm and 24 x 1,450 mm
 - High colour rendering index CRI > 80
 - Colour tolerance MacAdam 5
 - Perfect homogenous light with LINEAR COVER SY Diffuse
 - Push terminals for quick and simple wiring
 - Simple installation (e.g. ACL ENDCAP PUSH-FIX)
 - Self-cooling (no additional heat sink required)
 - Long life-time: 50,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	196 – 264 V
Mains frequency	50 / 60 Hz
λ (at 230 V, 50 Hz)	0.95C
THD	20 %
Flicker	< 30 %
Beam characteristic	120°
Ambient temperature t_a	-25 ... +45 °C
t_p rated	75 °C
t_c for 560, 1150 mm	105 °C
t_c for 1450 mm	110 °C
ESD classification	Severity level 2
Risk group (EN 62471:2008)	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IP00



LLE AC G1 24x560mm 2400lm SNC

LLE AC G1 24x1150mm 4800lm SNC

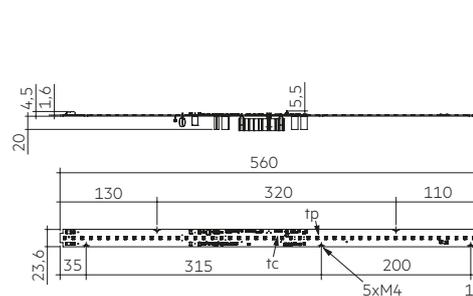


LLE AC G1 24x1150mm 6000lm SNC

LLE AC G1 24x1450mm 6200lm SNC



LLE AC G1 24x1450mm 7500lm SNC

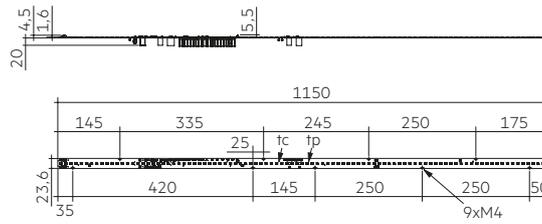


LLE AC G1 24x560mm 2400lm SNC

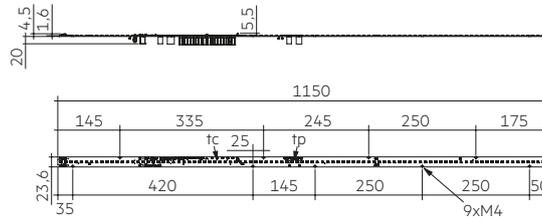


For standards see data sheet

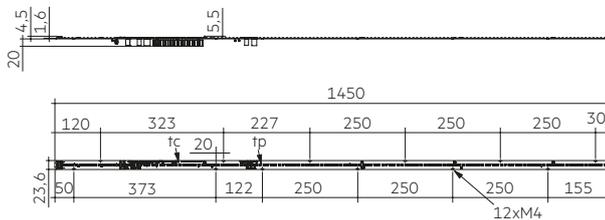
For colour temperatures and tolerances see data sheet



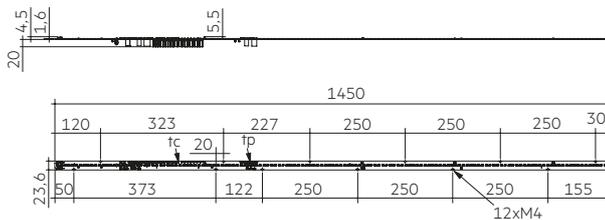
LLE AC G1 24x1150mm 4800lm SNC



LLE AC G1 24x1150mm 6000lm SNC



LLE AC G1 24x1450mm 6200lm SNC



LLE AC G1 24x1450mm 7500lm SNC

Ordering data

Type	Article number	Colour temperature	Packaging, carton ¹⁾	Weight per pc.
LLE AC G1 24x560mm 2400lm 830 SNC	87500608	3,000 K	36 pc(s).	0.075 kg
LLE AC G1 24x560mm 2400lm 840 SNC	87500609	4,000 K	36 pc(s).	0.075 kg
LLE AC G1 24x560mm 2400lm 865 SNC	87500610	6,500 K	36 pc(s).	0.075 kg
LLE AC G1 24x1150mm 4800lm 830 SNC	87500611	3,000 K	36 pc(s).	0.151 kg
LLE AC G1 24x1150mm 4800lm 840 SNC	87500612	4,000 K	36 pc(s).	0.151 kg
LLE AC G1 24x1150mm 4800lm 865 SNC	87500613	6,500 K	36 pc(s).	0.151 kg
LLE AC G1 24x1150mm 6000lm 830 SNC	87500693	3,000 K	20 pc(s).	0.157 kg
LLE AC G1 24x1150mm 6000lm 840 SNC	87500694	4,000 K	20 pc(s).	0.164 kg
LLE AC G1 24x1150mm 6000lm 865 SNC	87500695	6,500 K	20 pc(s).	0.164 kg
LLE AC G1 24x1450mm 6200lm 830 SNC	87500614	3,000 K	36 pc(s).	0.157 kg
LLE AC G1 24x1450mm 6200lm 840 SNC	87500615	4,000 K	36 pc(s).	0.176 kg
LLE AC G1 24x1450mm 6200lm 865 SNC	87500616	6,500 K	36 pc(s).	0.176 kg
LLE AC G1 24x1450mm 7500lm 830 SNC	87500696	3,000 K	20 pc(s).	0.181 kg
LLE AC G1 24x1450mm 7500lm 840 SNC	87500697	4,000 K	20 pc(s).	0.183 kg
LLE AC G1 24x1450mm 7500lm 865 SNC	87500698	6,500 K	20 pc(s).	0.181 kg
Sample box for design-in				
LLE AC G1 24x560mm 2400lm 840 SNC QTY4	87500699	4,000 K	4 pc(s).	0.075 kg
LLE AC G1 24x1150mm 4800lm 840 SNC QTY4	87500700	4,000 K	4 pc(s).	0.151 kg
LLE AC G1 24x1450mm 6200lm 840 SNC QTY4	87500701	4,000 K	4 pc(s).	0.176 kg
LLE AC G1 24x1150mm 6000lm 840 SNC SAMP	87500705	4,000 K	4 pc(s).	0.157 kg
LLE AC G1 24x1450mm 7500lm 840 SNC SAMP	87500706	4,000 K	4 pc(s).	0.182 kg

¹⁾ Orders only in full carton quantities.

Specific technical data

Type	Photometric code	Typ. luminous flux at tp = 25 °C ¹⁾	Typ. luminous flux at tp = 75 °C ¹⁾	Input current at tp = 75 °C ¹⁾	Input power at tp = 75 °C ¹⁾	Luminous efficacy system at tp = 75 °C	Colour rendering index CRI
Operating mode HE							
LLE AC G1 24x560mm 2400lm 830 SNC	830/559	1,320 lm	1,230 lm	47 mA	10,4 W	118 lm/W	> 80
LLE AC G1 24x560mm 2400lm 840 SNC	840/559	1,410 lm	1,320 lm	47 mA	10,4 W	126 lm/W	> 80
LLE AC G1 24x560mm 2400lm 865 SNC	865/559	1,390 lm	1,300 lm	47 mA	10,4 W	124 lm/W	> 80
LLE AC G1 24x1150mm 4800lm 830 SNC	830/559	3,070 lm	2,860 lm	107 mA	23,8 W	119 lm/W	> 80
LLE AC G1 24x1150mm 4800lm 840 SNC	840/559	3,270 lm	3,050 lm	107 mA	23,8 W	118 lm/W	> 80
LLE AC G1 24x1150mm 4800lm 865 SNC	865/559	3,220 lm	3,000 lm	107 mA	23,8 W	126 lm/W	> 80
LLE AC G1 24x1150mm 6000lm 830 SNC	830/559	3,960 lm	3,650 lm	121 mA	27,2 W	133 lm/W	> 80
LLE AC G1 24x1150mm 6000lm 840 SNC	840/559	4,280 lm	3,940 lm	121 mA	27,2 W	144 lm/W	> 80
LLE AC G1 24x1150mm 6000lm 865 SNC	865/559	4,160 lm	3,830 lm	121 mA	27,2 W	140 lm/W	> 80
LLE AC G1 24x1450mm 6200lm 830 SNC	830/559	4,040 lm	3,760 lm	136 mA	30,3 W	123 lm/W	> 80
LLE AC G1 24x1450mm 6200lm 840 SNC	840/559	4,320 lm	4,020 lm	136 mA	30,3 W	131 lm/W	> 80
LLE AC G1 24x1450mm 6200lm 865 SNC	865/559	4,240 lm	3,950 lm	136 mA	30,3 W	129 lm/W	> 80
LLE AC G1 24x1450mm 7500lm 830 SNC	830/559	5,190 lm	4,780 lm	152 mA	34,4 W	138 lm/W	> 80
LLE AC G1 24x1450mm 7500lm 840 SNC	840/559	5,600 lm	5,160 lm	152 mA	34,4 W	150 lm/W	> 80
LLE AC G1 24x1450mm 7500lm 865 SNC	865/559	5,460 lm	5,030 lm	152 mA	34,4 W	146 lm/W	> 80
Operating mode HO							
LLE AC G1 24x560mm 2400lm 830 SNC	830/559	2,500 lm	2,300 lm	95 mA	21,5 W	107 lm/W	> 80
LLE AC G1 24x560mm 2400lm 840 SNC	840/559	2,670 lm	2,460 lm	95 mA	21,5 W	114 lm/W	> 80
LLE AC G1 24x560mm 2400lm 865 SNC	865/559	2,630 lm	2,420 lm	95 mA	21,5 W	112 lm/W	> 80
LLE AC G1 24x1150mm 4800lm 830 SNC	830/559	4,930 lm	4,540 lm	183 mA	41,5 W	109 lm/W	> 80
LLE AC G1 24x1150mm 4800lm 840 SNC	840/559	5,270 lm	4,850 lm	183 mA	41,5 W	116 lm/W	> 80
LLE AC G1 24x1150mm 4800lm 865 SNC	865/559	5,180 lm	4,770 lm	183 mA	41,5 W	114 lm/W	> 80
LLE AC G1 24x1150mm 6000lm 830 SNC	830/559	6,230 lm	5,740 lm	210 mA	47,6 W	119 lm/W	> 80
LLE AC G1 24x1150mm 6000lm 840 SNC	840/559	6,720 lm	6,190 lm	210 mA	47,6 W	129 lm/W	> 80
LLE AC G1 24x1150mm 6000lm 865 SNC	865/559	6,550 lm	6,030 lm	210 mA	47,6 W	126 lm/W	> 80
LLE AC G1 24x1450mm 6200lm 830 SNC	830/559	6,340 lm	5,840 lm	228 mA	51,8 W	112 lm/W	> 80
LLE AC G1 24x1450mm 6200lm 840 SNC	840/559	6,780 lm	6,240 lm	228 mA	51,8 W	120 lm/W	> 80
LLE AC G1 24x1450mm 6200lm 865 SNC	865/559	6,670 lm	6,140 lm	228 mA	51,8 W	118 lm/W	> 80
LLE AC G1 24x1450mm 7500lm 830 SNC	830/559	7,720 lm	7,050 lm	237 mA	54,0 W	130 lm/W	> 80
LLE AC G1 24x1450mm 7500lm 840 SNC	840/559	8,340 lm	7,680 lm	237 mA	54,0 W	140 lm/W	> 80
LLE AC G1 24x1450mm 7500lm 865 SNC	865/559	8,150 lm	7,500 lm	237 mA	54,0 W	137 lm/W	> 80

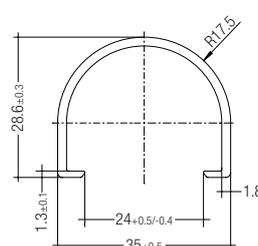
¹⁾ Tolerance range for optical and electrical data: ±10 %.

ACCES-
SORIES

LINEAR COVER SY

Product description

- LINEAR COVER / ENDCAP for LLE 24
- Protection against direct touch for non-SELV applications
- Mounting COVER: Fast snap on mounting on to LLE 24 with clips or plastic washers
- Mounting ENDCAP: Fast snap on mounting (sheet thickness 0.5 – 1.0 mm), for drilling hole 4 mm
- High transmission:
 - transparent 94 %
 - semi-transparent 87 %
 - diffuse 76 %
- Linear cover made of PMMA
- Endcap made of polycarbonate
- Tolerances LINEAR COVER:
 - ± 1 mm for 597 mm length (ends finished)
 - + 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm length (ends raw)



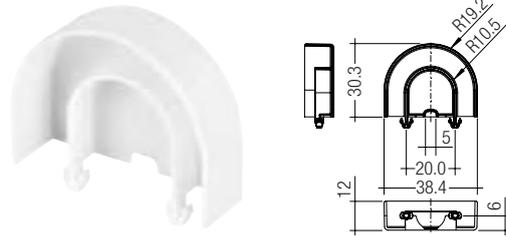
Ordering data

Type	Article number	Colour	Length	Packaging carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	28000338	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	28000437	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	28000339	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	28000435	Semi-transparent	1,500 mm	12 pc(s).	0.244 kg
LINEAR COVER SY Frosted 1200mm	28000422	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	28000340	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	28000438	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	28000341	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	28000436	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	28000434	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	28000342	Diffuse	597 mm	12 pc(s).	0.102 kg

ACL ENDCAP LLE24 PUSH-FIX

Product description

- ENDCAP for LLE 24
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm), for drilling hole 4 mm
- Made of polycarbonate



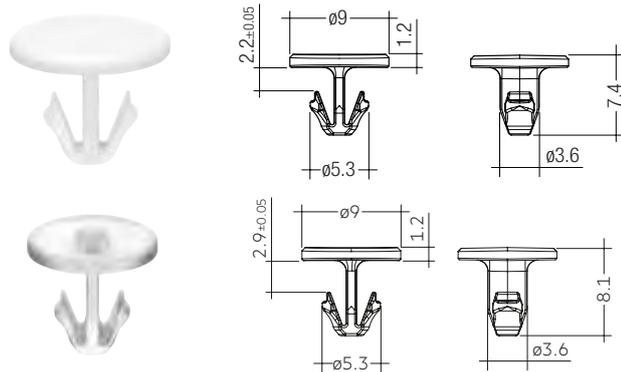
Ordering data

Type	Article number	Colour	Packaging, carton	Weight per pc.
ACL ENDCAP LLE24 PUSH-FIX	28001037	White	480 pc(s).	0.003 kg

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

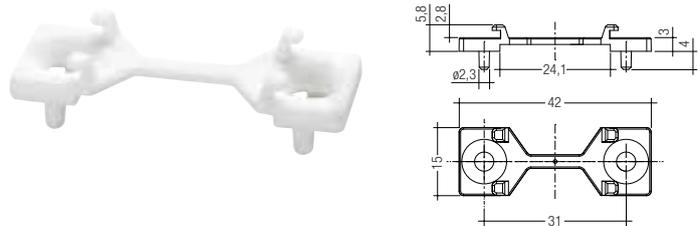
¹⁾ Minimum sales quantity 500 pcs.

RoHS

BRIDGE LLE24/40

Product description

- Enables the fixation of 24 mm wide Tridonic LED modules to fixtures made for 40 mm wide modules
- Ideal for extruded aluminium gear trays made for 40 mm modules with pre-alignment knobs
- Clip-on for LINEAR COVER and LINEAR LENS ²⁾
- For LLE 24 with 280 mm module minimum 2 bridges required
- For LLE 24 with 560 mm module minimum 3 bridges required
- Fixation via M3 or M4 countersunk screw, max. tightening torque 0.5 Nm
- BRIDGE made of white polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL BRIDGE LLE24/40 SCREW-FIX	28001205	White	600 pc(s).	0.001 kg

¹⁾ Minimum sales quantity 600 pcs.

²⁾ Beam characteristics will change due to the elevated fixation (see photometric files for details).

Engine STARK SLE PREMIUM system
Engine SLE PREMIUM

Product description

- Tunable White – LED system with adjustable colour temperature along the planck's curve from 2,700 to 6,500 K
- New DALI Device Type 8 for Tunable White
- Noise-free precise control via switchDIM or DALI, DSI or Colour Control Interface for local operation

Necessary system components

- LED module SLE PREMIUM KIT
- LED Driver LCAU 2x20 W one4all
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request



Engine STARK SLE PREMIUM system



Module STARK SLE-PRE-KIT



Module STARK SLE-PRE-W/OH-KIT



In-built LED Driver



Remote LED Driver

Ordering data

Type	Article number	System components
STARK SLE 1400-927-965-PRE-KIT	89601740	LMAI + SLE1400 with housing
STARK SLE 1400-927-965-PRE-W/O H-KIT	89601741	LMAI + SLE1400 without housing
STARK SLE 2000-927-965-PRE-KIT	89601742	LMAI + SLE2000 with housing
STARK SLE 2000-927-965-PRE-W/O H-KIT	89601743	LMAI + SLE2000 without housing
LCAU 2x020/0048 L010 one4all	28000907	In-built LED Driver
LCAU 2x020/0048 L020 one4all	28000887	Remote LED Driver



Module STARK SLE PREMIUM system
Engine SLE PREMIUM

Product description

- Tunable White – LED system with adjustable colour temperature along the planck's curve from 2,700 to 6,500 K¹⁾
 - For spotlights and downlights
 - Built-in LED module
 - Diameter: 50 mm
 - High efficiency
 - High colour rendering index CRI > 90
 - Low colour temperature tolerances (MacAdam 3)
 - Low tolerances for luminous flux
 - Plug & Play plug connection
 - Excellent thermal management by COB technology²⁾
 - Dimming range 15 to 100 %
 - Constant luminous flux about colour temperature
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Beam angle	140°
Ambient temperature ta ²⁾	-25 ... +55 °C
tp rated	65 °C
tc	75 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Photometric code	Luminous flux ³⁾⁴⁾	Power consumption system ⁵⁾⁶⁾	Luminous efficacy system	Colour rendering index CRI, 2,700 – 6,500 K ⁴⁾	Energy classification
STARK SLE 1400 PRE	927/3x9 to 965/3x9	1,350 lm	22.2 W	61 lm/W	> 90	B
STARK SLE 2000 PRE	927/3x9 to 965/3x9	2,050 lm	31.7 W	65 lm/W	> 90	A

¹⁾ Tunable White is based on the PI-LED technology. PI-LED is a trademark of Lumitech.

²⁾ If the max. temperature limits are exceeded, the life of the system will be greatly reduced or the system may be damaged. The temperature of the LED module at the tc-point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tc point see the above diagram.

³⁾ Tolerance range for optical data: ±10 %.

⁴⁾ Colour temperature and CRI according to CIE 1931.

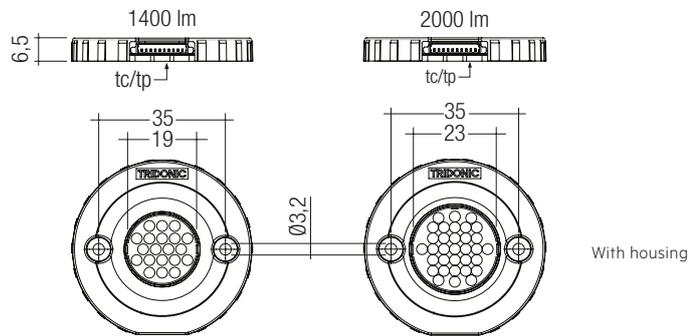
⁵⁾ Tolerance range for electrical data: ±10 %.

⁶⁾ The stated power consumption refer to the system which consists of: LED Driver LCAU + LED module SLE PRE-(W/OH)-KIT.

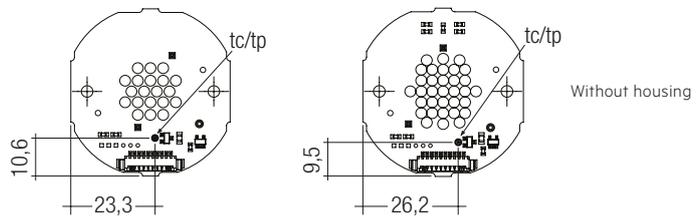


With housing

Without housing



With housing



Without housing

ACCESSORIES

Accessory CONNECT – RJ45 U

Product description

- Connection cable 1 or 2 m for connecting LED module and LED Driver LCAU
- RJ45 unshielded



Ordering data

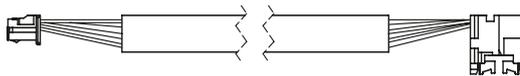
Type	Article number	Length L	Packaging	Weight per pc.
RJ45/RJ45 U 1.0m	24166480	1 m	1 pc.	0.040 kg
RJ45/RJ45 U 2.0m	24166481	2 m	1 pc.	0.079 kg

ACCESSORIES

Accessory CONNECT – 10PIN PLUG / 10PIN PLUG

Product description

- Connection cable 0.2 m for connecting LED module and REMOTE LMAI
- 10-pin plug to 10-pin plug Molex
- Halogen free



Ordering data

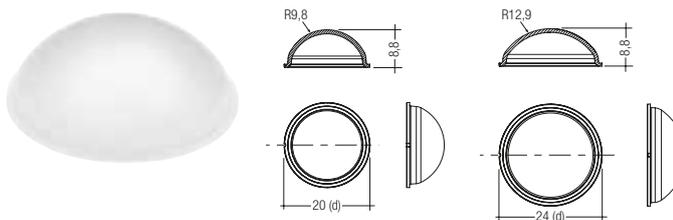
Type	Article number	Length L	Packaging, carton	Weight per pc.
10PIN PLUG/10PIN PLUG 0.2m	24166482	0.2 m	10 pc(s).	0.008 kg

ACCESSORIES

Accessory Mixing Cap

Product description

- Mixing chamber for homogenous light distribution
- To push on the SLE housing
- Glow wire test acc. IEC 60695-2-11 at 700 °C passed



Ordering data

Type	Article number	Diameter d	Packaging, carton	Weight per pc.
LED Mixing Cap STARK SLE	88167564	20 mm	2,000 pc(s).	0.001 kg
LED Mixing Cap STARK SLE	88167565	24 mm	2,000 pc(s).	0.001 kg

IP20 

Driver LMAI 44/0500 P020 SPI 48 V
Engine SLE PREMIUM

Product description

- 500 mA PWM output signal
- Short-circuit protection with automatic restart
- No-load detection with automatic restart
- Intelligent temperature management for LED and LMAI (protection against thermal damage)
- Connecting cable, wire cross-section 0.75 – 1.5 mm²
- Power input on stand-by 0 W
- Output power max. 44 W
- Strain relief for snap in (only for LMAI with strain-relief set)

Properties

- Use only with LED Driver and LED module possible
- Dimming range 15 to 100 %
- Dimming curve adapted to the sensitivity of the eye
- Max. acceptable cable length between LMAI and module 500 mm
- SELV
- Type of protection IP20 (for LMAI with strain-relief set)

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

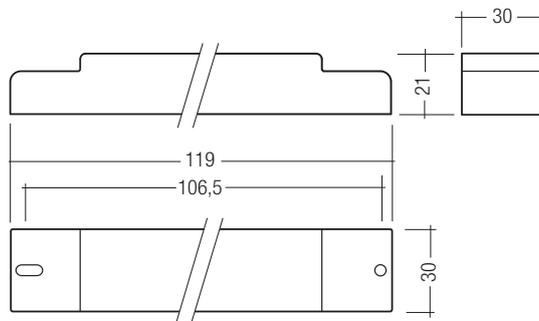
Rated voltage range DC	48 V
Input voltage DC	47 – 51 V
Rated current (at 48 V DC)	0.9 A
Max. input power with fan	45.5 W
Stand-by power	0 W
Output voltage range	14 – 44 V
Output current tolerance	± 7 %
Output current	500 mA
Output power	44 W
Dimming range	15 – 100 %
PWM frequency	312 Hz
Voltage FAN DC	12 V
Max. operating current FAN	100 mA
Max. switch-on current FAN	200 mA (< 5 ms)
Max. permitted capacity FAN	58 µF
Ambient temperature <i>t</i> _a (at life-time 50,000 h)	-20 ... +45 °C
Max. casing temperature <i>t</i> _c	55 °C
Storage temperature <i>t</i> _s	-40 ... +80 °C



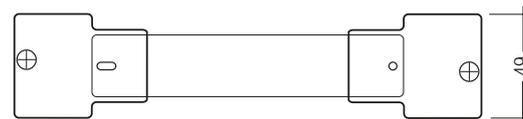
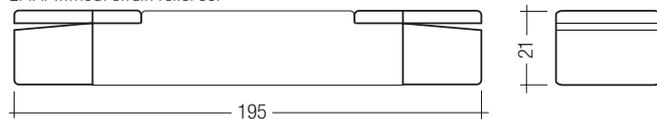
LMAI without strain relief set



LMAI with strain relief set



LMAI without strain relief set



LMAI with strain relief set

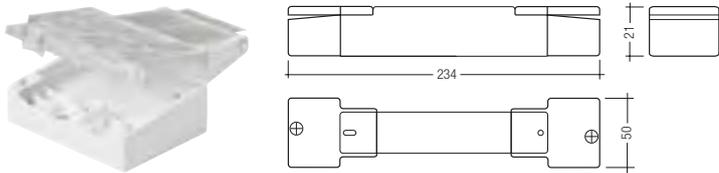


For standards see data sheet

RoHS

ACCES-
SORIES

Strain-relief set



Ordering data

Type	Article number	Packaging, carton
Strain-relief set	28000881	10 pc(s).

IP20 SELV 

Driver LCAU 2x20 W one4all
Engine SLE PREMIUM

Product description

- LED Driver for PREMIUM modules
- Output power: 2 x 25 W or 1 x 40 W
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Power input on stand-by < 0.5 W
- Strain relief by remote LED Driver
- RJ45 connector for Plug & Play

Properties

- switchDIM (with memory function)
 - colourSWITCH 2,700 – 6,500 K (with memory function)¹⁾
 - New DALI Device Type 8 for Tunable White
 - Noise-free precise control via DALI, DSI signal or switchDIM
 - Powerless switching via a digital interface (no need for switching via mains)
 - Intelligent Temperature Guard (overtemperature protection)
 - Short-circuit shutdown feature with automatic restart (every 7 s)
 - No-load shutdown feature with automatic restart (every 7 s)
 - Overload protection by reduction of performance²⁾
 - SELV
 - Plastic casing black
 - Type of protection IP20 (remote LED Driver)
- For product data sheet go to www.tridonic.com, or available on request

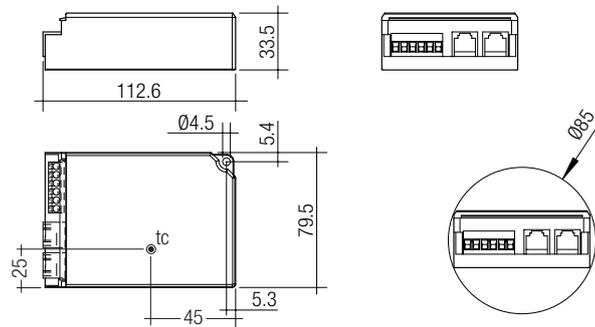
Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC ¹⁾	170 – 264 V
Rated current (at 230 V, 50 Hz)	0.21 A
Mains frequency	0 / 50 / 60 Hz
Efficiency	90 %
λ at 230 V, 50 Hz, full load	0.95
Control input ¹⁾³⁾	DSI, DALI, switchDIM, colourSWITCH
Stand-by power ⁴⁾	< 0.5 W
Output voltage	49 V ±2 V
Output power	2 x 25 W / 1 x 40 W
Dimming range	15 – 100 %
Starting time (at 230 V, 50 Hz)	< 1 s
Switchover time AC/DC and DC/AC	< 1 s
Leakage current (FE)	0.25 mA
ta operating (at life-time 50,000 h)	-20 ... +45 °C
Max. casing temperature (at life-time 50,000 h)	65 °C
Storage temperature ts	-40 ... +80 °C

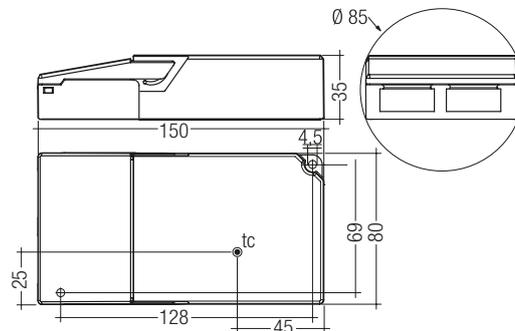


In-built LED Driver

Remote LED Driver



In-built LED Driver



Remote LED Driver

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAU 2x020/0048 L010 one4all	28000907	10 pc(s).	560 pc(s).	0.2 kg
LCAU 2x020/0048 L020 one4all	28000887	10 pc(s).	560 pc(s).	0.2 kg

¹⁾ In DC operation the last set colour is used.

²⁾ If the overload is too high the LED Driver switches off and tries to restart every 7 s.

³⁾ No colourSWITCH at DC operation.

⁴⁾ No fan operation on stand-by.

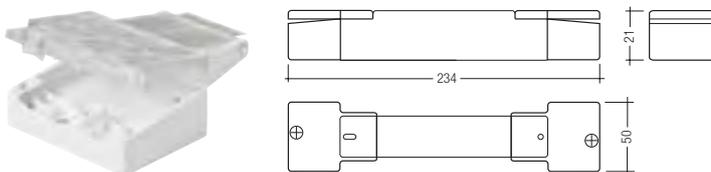


For standards see data sheet

RoHS

ACCES-
SORIES

Strain-relief set



Ordering data

Type	Article number	Packaging, carton
Strain-relief set	28000881	10 pc(s).

Product description

- Tunable White system for Downlights with adjustable colour temperature from 2,700 to 6,500 K at constant luminous flux
- Precalibrated set to ensure light quality and high colour consistency, consisting of compact LED Driver and LED module¹⁾
- High colour rendering index CRI > 90
- Outstanding system colour tolerance
- High system efficiency up to 100 lm/W at tp = 65 °C
- LED module for Downlight applications with 2,000 or 3,000 lm
- Dimming range 1 – 100 % without change of colour temperature
- Long life-time of 50,000 h and 5-year system guarantee



Interfaces

- one4all (DALI DT8, DSI, switchDIM, corridorFUNCTION V2)
- colourSWITCH
- Push terminals for simple wiring

Functions

- Constant light output function (CLO)
- colourSWITCH with predefined colours
- switchDIM and colourSWITCH with memory function
- Power-up fading and fade to zero
- Configurable via DALI
- Protective features (overtemperature, short-circuit, overload, no-load, reduced surge amplification)
- Suitable for emergency lighting acc. to EN 50172

Typical applications

- Downlight for retail and corridor applications
 - Tunable White application
- For product data sheet go to www.tridonic.com, or available on request



Technical data Module DLE G2 PREMIUM, [page 639](#)

Product description Module DLE G2 PREMIUM see data sheet

Technical data Driver LCA 38W DT8 SR PRE, [page 640](#)

Product description Driver LCA 38W DT8 SR PRE see data sheet

Ordering data

Type	Article number	Weight per pcs	Colour temperature
DLE G2 60mm 2000lm 927-965 SR PRE KIT	89603257	0,029 kg	LCA 38W PRE + 1 LED module DLE 3,000 lm
DLE G2 60mm 3000lm 927-965 SR PRE KIT	89603258	0,292 kg	LCA 38W PRE + 1 LED module DLE 3,000 lm

Specific technical data

Type	Luminous flux at tp = 25 °C ²⁾	Luminous flux at tp = 65 °C ²⁾	Typ. power consumption at tp = 65 °C ³⁾	Efficacy of the system at tp = 25 °C	Efficacy of the system at tp = 65 °C	Colour rendering index CRI	Energy classification
DLE G2 60mm 2000lm 927-965 SR PRE KIT	2,200 lm	2,000 lm	20.1 W	109 lm/W	100 lm/W	> 90	A+
DLE G2 60mm 3000lm 927-965 SR PRE KIT	3,300 lm	3,000 lm	31.2 W	106 lm/W	97 lm/W	> 90	A+

¹⁾ Mixing of components from different sets is not allowed due to the pre-calibration of the system.

²⁾ Tolerance range for optical data over the CCT range: ±5 %.

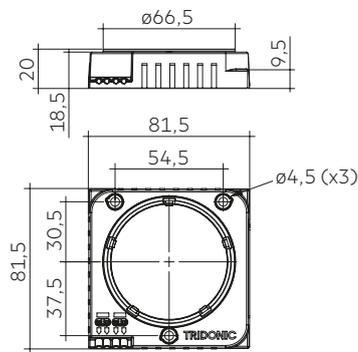
³⁾ Tolerance range for electrical data: ±5 %.



Module DLE G2 PREMIUM system DLE PREMIUM

Technical data

Beam characteristic	120°
Ambient temperature range	-25 ... +55 °C
tp rated	45 °C
tc	85 °C
Irated	600 mA
I _{max}	700 mA
Max. permissible LF current ripple	770 mA
Max. permissible peak current	2,000 mA / max. 10 ms
Max. working voltage for insulation SELV ²⁾	60 V
Insulation test voltage	0.5 kV
ESD classification	Severity level 1
Risk group (EN 62471:2008)	RG0
Classification acc. to IEC 62031	Built-in
Type of protection	IP00



Specific technical data

Type	Channel	Photo-metric code	Typ. luminous flux at tp = 25 °C ²⁾	Typ. luminous flux at tp = 65 °C ¹⁾	Typ. forward current ¹⁾	Min. forward voltage at tp = 65 °C ²⁾	Max. forward voltage at tp = 25 °C ²⁾	Typ. power consumption at tp = 65 °C ²⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C	Colour rendering index CRI
TW DLE G2 60mm 3000lm 927-965	WW	927/3x9	3,330 lm	3,130 lm	600 mA	40.0 V	44.1 V	24.8 W	130 lm/W	126 lm/W	90
	CW	965/3x9	3,730 lm	3,500 lm	600 mA	41.3 V	45.5 V	25.6 W	140 lm/W	136 lm/W	90

¹⁾ Tolerance range for optical data over the CCT range: ±5 % at dimming level 100 – 10 % / ±10 % at dimming level <10 %.

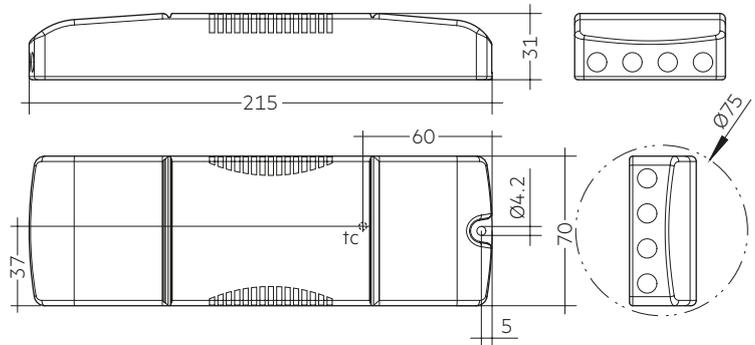
²⁾ Tolerance range for electrical data: ±5 %.

³⁾ Mounted with M4 screw.

Driver LCA 38W 350–1050mA DT8 SR PRE system
DLE PREMIUM

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 288 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	96 – 192 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	35 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 500 µA
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	87 %
λ (at 230 V, 50 Hz, full load) ¹⁾	> 0.96
Typ. power input on stand-by ³⁾	< 0.25 W
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	0.5 W
In-rush current (peak / duration)	26.4 A / 224 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ^{1) 4)}	± 3 %
Max. output current peak (non-repetitive)	≤ output current + 20 %
Output LF current ripple (< 120 Hz)	± 2 %
Max. output voltage (no-load voltage)	60 V
Dimming range	1 – 100 %
Colour tuning range	2,700 – 6,500 K
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	215 x 70 x 31 mm



Specific technical data

Type	Output current ^{5) 6)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature t _c	Ambient temperature t _a max.	I-select 2 resistor value ⁶⁾
LCA 38W 350-1050mA DT8 SR PRE	350 mA	20 V	50.0 V	17.5 W	211 W	96 mA	75 °C	-25 ... +60 °C	open
	400 mA	20 V	50.0 V	20.0 W	23.7 W	107 mA	75 °C	-25 ... +55 °C	12.50 kΩ
	450 mA	20 V	50.0 V	22.5 W	26.4 W	119 mA	75 °C	-25 ... +55 °C	1111 kΩ
	500 mA	20 V	50.0 V	25.0 W	29.1 W	130 mA	75 °C	-25 ... +55 °C	10.00 kΩ
	550 mA	20 V	50.0 V	27.5 W	31.7 W	141 mA	75 °C	-25 ... +55 °C	9.09 kΩ
	600 mA	20 V	50.0 V	30.0 W	34.4 W	152 mA	75 °C	-25 ... +55 °C	8.33 kΩ
	650 mA	20 V	50.0 V	32.5 W	37.0 W	164 mA	75 °C	-25 ... +55 °C	7.69 kΩ
	700 mA	20 V	50.0 V	35.0 W	39.9 W	176 mA	75 °C	-25 ... +55 °C	7.14 kΩ
	750 mA	20 V	50.0 V	37.5 W	42.5 W	187 mA	75 °C	-25 ... +50 °C	6.67 kΩ
	800 mA	20 V	50.0 V	38.0 W	42.9 W	189 mA	75 °C	-25 ... +50 °C	6.25 kΩ
	850 mA	20 V	50.0 V	38.0 W	43.1 W	190 mA	75 °C	-25 ... +50 °C	5.88 kΩ
	900 mA	20 V	50.0 V	38.0 W	43.3 W	191 mA	75 °C	-25 ... +50 °C	5.56 kΩ
	950 mA	20 V	50.0 V	38.0 W	43.4 W	191 mA	75 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	20 V	50.0 V	38.0 W	43.4 W	191 mA	75 °C	-25 ... +50 °C	5.00 kΩ
	1,050 mA	20 V	36.2 V	38.0 W	43.6 W	192 mA	75 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁵⁾ Not compatible with I-select (generation 1).

⁶⁾ Output current is mean value.

Engine STARK LLE PREMIUM system
Engine LLE PREMIUM

Product description

- Linear Tunable White system with adjustable colour temperature from 3,000 to 6,000 K at constant luminous flux
 - Precalibrated set to ensure light quality and high colour consistency, consisting of LED Driver and 3 to 5 LED modules¹⁾
 - Outstanding system colour tolerance (MacAdam 3) over the full operating area
 - High system efficacy up to 106 lm/W at $t_c = 65\text{ }^\circ\text{C}$
 - Low profile LED Driver with digital interface (DALI Device Type 8, DSI, switchDIM, colourTEMPERATURE)
 - Linear LED modules with 700 or 1,500 lm
 - Dimming range 10 – 100 % without change of colour temperature
 - Long life-time of 50,000 h and 5-year system guarantee
- For product data sheet go to www.tridonic.com, or available on request



Ordering data

Type	Article number	Colour temperature
STARK-LLE-3x24-280-700-830-860-PRE-KIT	89601896	1 LED Driver + 3 LED modules
STARK-LLE-4x24-280-700-830-860-PRE-KIT	89601897	1 LED Driver + 4 LED modules
STARK-LLE-5x24-280-700-830-860-PRE-KIT	89601898	1 LED Driver + 5 LED modules
STARK-LLE-3x24-280-1500-830-860-PRE-KIT	89601899	1 LED Driver + 3 LED modules
STARK-LLE-4x24-280-1500-830-860-PRE-KIT	89601900	1 LED Driver + 4 LED modules
STARK-LLE-5x24-280-1500-830-860-PRE-KIT	89601901	1 LED Driver + 5 LED modules

¹⁾ Mixing of components from different sets is not allowed due to the pre-calibration of the system.



Technical data Module LLE PREMIUM, [page 642](#)

Product description Module LLE PREMIUM see data sheet

Technical data Driver LCAI TW Ip, [page 646](#)

Product description Driver LCAI TW Ip see data sheet

Accessories, [page 643-645](#)



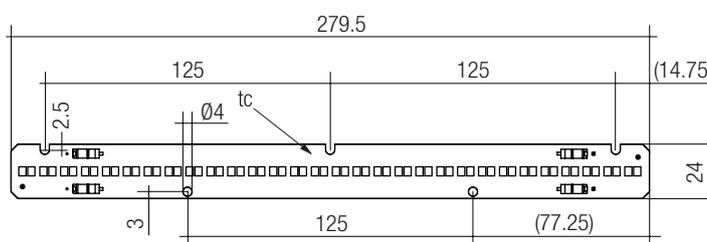
Module STARK LLE PREMIUM system

Engine LLE PREMIUM

Product description

- Tunable White system with adjustable colour temperature
- High colour rendering index CRI > 80
- Low tolerances for colour temperature (MacAdam 3)
- Low tolerances for luminous flux
- Excellent thermal management¹⁾
- Ideal for linear and panel lights
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com,
or available on request



Technical data

Beam angle	120°
Ambient temperature t_a ¹⁾	-25 ... +55 °C
tc point	65 °C
Risk group (EN 62471:2008)	1



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Photometric code	Typ. forward current ²⁾	Typ. luminous flux at $t_p = 25\text{ °C}$ ^{3) 4)}	Typ. luminous flux at $t_p = 65\text{ °C}$ ^{3) 4)}	Typ. power consumption at $t_p = 65\text{ °C}$ ²⁾	Luminous efficacy module at $t_p = 25\text{ °C}$	Luminous efficacy module at $t_p = 65\text{ °C}$	Luminous efficacy system at $t_p = 25\text{ °C}$	Colour rendering index CRI, 3,000 - 6,000 K ⁴⁾	Energy classification
Operating with LCAI 38 W 125 mA TW Ip										
STARK-LLE-3x24-280-700-830-860-PRE	830/349 - 860/349	125 mA	2,100 lm	2,000 lm	20 W	105 lm/W	100 lm/W	90 lm/W	> 80	A+
STARK-LLE-4x24-280-700-830-860-PRE	830/349 - 860/349	125 mA	2,800 lm	2,650 lm	26 W	108 lm/W	102 lm/W	92 lm/W	> 80	A+
STARK-LLE-5x24-280-700-830-860-PRE	830/349 - 860/349	125 mA	3,500 lm	3,350 lm	32 W	109 lm/W	105 lm/W	95 lm/W	> 80	A+
Operating with LCAI 75 W 250 mA TW Ip										
STARK-LLE-3x24-280-1500-830-860-PRE	830/349 - 860/349	250 mA	4,500 lm	4,300 lm	40 W	113 lm/W	108 lm/W	101 lm/W	> 80	A+
STARK-LLE-4x24-280-1500-830-860-PRE	830/349 - 860/349	250 mA	6,000 lm	5,700 lm	52 W	115 lm/W	110 lm/W	103 lm/W	> 80	A+
STARK-LLE-5x24-280-1500-830-860-PRE	830/349 - 860/349	250 mA	7,500 lm	7,150 lm	63 W	119 lm/W	114 lm/W	106 lm/W	> 80	A+

¹⁾ If the max. temperature limits are exceeded, the life of the system will be greatly reduced or the system may be damaged. The temperature of the LED module at the tc-point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tc point see the above diagram.

²⁾ Tolerance range for electrical data: ±5 %.

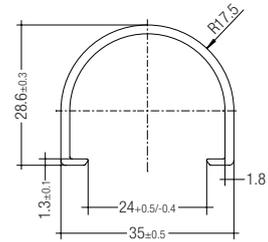
³⁾ Tolerance range for optical data over the CCT range: ±5 %.

⁴⁾ Colour temperature and CRI according to CIE 1931.

LINEAR COVER SY

Product description

- LINEAR COVER for LLE 24
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- High transmission:
 - transparent 94 %
 - semi-transparent 87 %
 - diffuse 76 %
- Made of PMMA
- Tolerances: ± 1 mm for 597 mm length (ends finished),
+ 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm length (ends raw)



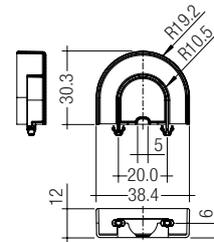
Ordering data

Type	Article number	Colour	Length	Packaging, carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	28000338	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	28000437	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	28000339	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	28000435	Semi-transparent	1,500 mm	12 pc(s).	0.244 kg
LINEAR COVER SY Frosted 1200mm	28000422	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	28000340	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	28000438	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	28000341	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	28000436	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	28000434	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	28000342	Diffuse	597 mm	12 pc(s).	0.102 kg

ACL ENDCAP LLE24 PUSH-FIX

Product description

- ENDCAP for LLE 24
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm),
for drilling hole 4 mm
- Made of polycarbonate



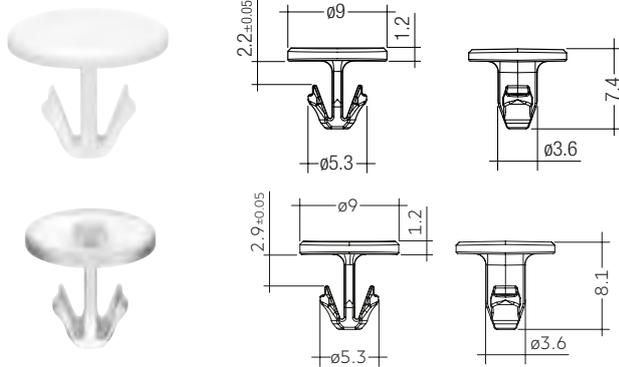
Ordering data

Type	Article number	Colour	Packaging, carton	Weight per pc.
ACL ENDCAP LLE24 PUSH-FIX	28001037	White	480 pc(s).	0.003 kg

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

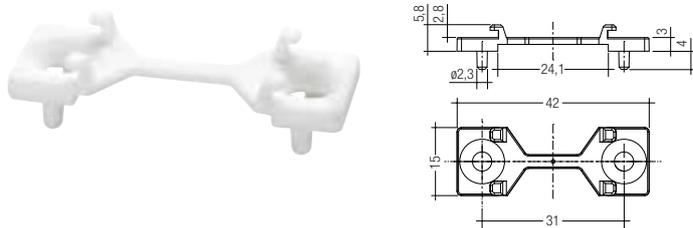
¹⁾ Minimum sales quantity 500 pcs.

RoHS

BRIDGE LLE24/40

Product description

- Enables the fixation of 24 mm wide Tridonic LED modules to fixtures made for 40 mm wide modules
- Ideal for extruded aluminium gear trays made for 40 mm modules with pre-alignment knobs
- Clip-on for LINEAR COVER and LINEAR LENS ²⁾
- For LLE 24 with 280 mm module minimum 2 bridges required
- For LLE 24 with 560 mm module minimum 3 bridges required
- Fixation via M3 or M4 countersunk screw, max. tightening torque 0.5 Nm
- BRIDGE made of white polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL BRIDGE LLE24/40 SCREW-FIX	28001205	White	600 pc(s).	0.001 kg

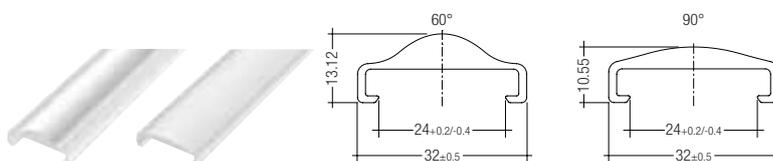
¹⁾ Minimum sales quantity 600 pcs.

²⁾ Beam characteristics will change due to the elevated fixation (see photometric files for details).

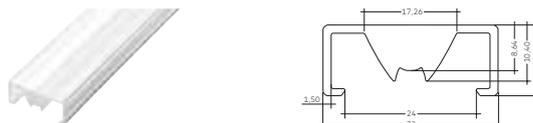
LINEAR LENS

Product description

- Linear lens for LLE 24
- Available with different beam characteristics
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Available lengths: 1,200, 1,500, 1,600 and 1,800 mm,
Tolerance: + 10 mm, at 1,600 mm
± 20 mm tolerances and ends raw
- Photometric data available on website



ACL LINEAR LENS 24mm 60° and 90°



ACL LINEAR LENS 24mm INTENSE



ACL LINEAR LENS 24mm BATWING



ACL LINEAR LENS 24mm ASY



ACL LINEAR LENS 24mm DASY

Ordering data

Type	Article number	Beam characteristic	Efficiency	Packaging, carton	Weight per pc.
ACL LINEAR LENS 24x1200mm 60°	28001428	60°	97 %	21 pc(s).	0.196 kg
ACL LINEAR LENS 24x1200mm 90°	28001429	90°	97 %	21 pc(s).	0.165 kg
ACL LINEAR LENS 24x1600mm 60°	28000953	60°	97 %	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	28000955	90°	97 %	21 pc(s).	0.221 kg
ACL LINEAR LENS 24x1200mm INTENSE	28002024	40°	95 %	18 pc(s).	0.261 kg
ACL LINEAR LENS 24x1500mm INTENSE	28002025	40°	95 %	18 pc(s).	0.326 kg
ACL LINEAR LENS 24x1800mm INTENSE	28002026	40°	95 %	18 pc(s).	0.392 kg
ACL LINEAR LENS 24x1200mm BATWING	28002027	batwing	95 %	18 pc(s).	0.275 kg
ACL LINEAR LENS 24x1500mm BATWING	28002028	batwing	95 %	18 pc(s).	0.344 kg
ACL LINEAR LENS 24x1800mm BATWING	28002029	batwing	95 %	18 pc(s).	0.412 kg
ACL LINEAR LENS 24x1200mm ASY	28002030	asymmetric	95 %	18 pc(s).	0.250 kg
ACL LINEAR LENS 24x1500mm ASY	28002031	asymmetric	95 %	18 pc(s).	0.312 kg
ACL LINEAR LENS 24x1800mm ASY	28002032	asymmetric	95 %	18 pc(s).	0.375 kg
ACL LINEAR LENS 24x1200mm DASY	28002033	double asymmetric	92 %	18 pc(s).	0.249 kg
ACL LINEAR LENS 24x1500mm DASY	28002034	double asymmetric	92 %	18 pc(s).	0.311 kg
ACL LINEAR LENS 24x1800mm DASY	28002035	double asymmetric	92 %	18 pc(s).	0.373 kg

IP20 

Driver LCAI TW Ip

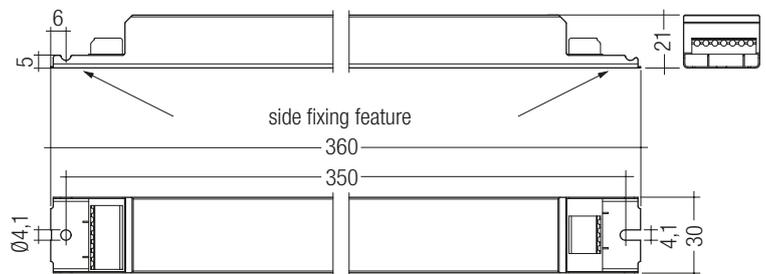
Engine LLE PREMIUM

Product description

- LED Driver for LLE PREMIUM modules
- Output power: 38 or 75 W
- Power input on stand-by < 0.3 W

Properties

- Low profile LED Driver with digital interface (DALI Device Type 8, DSI, switchDIM, colourTEMPERATURE)
 - switchDIM and colourTEMPERATURE with memory function¹⁾
 - Powerless switching via digital interface (no need for switching via mains)
 - Intelligent Temperature Guard (protection against thermal damage)
 - Short-circuit shutdown feature with one restart (after 0.5 s)
 - Overload protection with one restart (after 0.5 s)
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Input voltage range, AC	198 – 264 V
Input voltage range, DC	176 – 280 V
Rated current (at 230 V 50 Hz) for 38 W	0.18 A
Rated current (at 230 V 50 Hz) for 75 W	0.35 A
Mains frequency	0 / 50 / 60 Hz
Efficiency for 38 W	90 %
Efficiency for 75 W	93 %
λ (at 230 V 50 Hz, full load)	0.96
Control input ¹⁾	DSI, DALI, switchDIM, colourTEMPERATURE
Stand-by power	< 0.3 W
Max. output voltage (no-load voltage)	270 V
Dimming range	10 – 100 %
PWM frequency	200 – 500 Hz
Starting time (at 230 V 50 Hz)	< 0.5 s
Switchover time AC/DC and DC/AC	< 1 s
Leakage current (PE)	150 μ A
t_a operating (at life-time 50,000 h) for 38 W	-25 ... +60 °C
t_a operating (at life-time 50,000 h) for 75 W	-25 ... +55 °C
Max. casing temperature t_c (at life-time 50,000 h) for 38 W	70 °C
Max. casing temperature t_c (at life-time 50,000 h) for 75 W	75 °C

¹⁾ In DC operation the last set colour is used. No colourTEMPERATURE mode at DC operation.

Engine LLE PREMIUM CRI90 system

Engine LLE PREMIUM

Product description

- Linear Tunable White system with adjustable colour temperature from 3,000 to 6,000 K at constant luminous flux
 - Precalibrated set to ensure light quality and high colour consistency, consisting of LED Driver and 3 to 5 LED modules¹⁾
 - High colour rendering index CRI > 90
 - Outstanding system colour tolerance (MacAdam 3) over the full operating area
 - High system efficacy up to 106 lm/W at $t_c = 65^\circ\text{C}$
 - Low profile LED Driver with digital interface (DALI Device Type 8, DSI, switchDIM, colourTEMPERATURE)
 - Linear LED modules with 700 or 1,500 lm
 - Dimming range 10 – 100 % without change of colour temperature
 - Long life-time of 50,000 h and 5-year system guarantee
- For product data sheet go to www.tridonic.com, or available on request



Ordering data

Type	Article number	Colour temperature
LLE 24x280mm 3x700lm 930-960 PRE KIT	89602734	1 LED Driver + 3 LED modules at 700 lm
LLE 24x280mm 4x700lm 930-960 PRE KIT	89602735	1 LED Driver + 4 LED modules at 700 lm
LLE 24x280mm 5x700lm 930-960 PRE KIT	89602736	1 LED Driver + 5 LED modules at 700 lm
LLE 24x280mm 3x1500lm 930-960 PRE KIT	89602737	1 LED Driver + 3 LED modules at 1,500 lm
LLE 24x280mm 4x1500lm 930-960 PRE KIT	89602738	1 LED Driver + 4 LED modules at 1,500 lm
LLE 24x280mm 5x1500lm 930-960 PRE KIT	89602739	1 LED Driver + 5 LED modules at 1,500 lm



Technical data Module LLE PREMIUM CRI90, [page 648](#)

Product description Module LLE PREMIUM CRI90 see data sheet

Technical data Driver LCAI TW Ip, [page 652](#)

Product description Driver LCAI TW Ip see data sheet

Accessories, [page 649-651](#)

Specific technical data

Type	Photometric code	Typ. forward current ³⁾	Typ. luminous flux at $t_p = 25^\circ\text{C}$ ²⁾	Typ. luminous flux at $t_p = 65^\circ\text{C}$ ²⁾	Typ. power consumption at $t_p = 65^\circ\text{C}$ ³⁾	Efficacy of the system at $t_p = 25^\circ\text{C}$	Efficacy of the system at $t_p = 65^\circ\text{C}$	Colour rendering index CRI, 3,000 – 6,000 K ⁴⁾	Energy classification
Operating with LCAI 38 W 125 mA TW Ip									
LLE 24x280mm 3x700lm 930-960 PRE KIT	930/349 – 960/349	125 mA	2,100 lm	2,000 lm	20 W	106 lm/W	100 lm/W	> 90	A+
LLE 24x280mm 4x700lm 930-960 PRE KIT	930/349 – 960/349	125 mA	2,800 lm	2,650 lm	26 W	108 lm/W	102 lm/W	> 90	A+
LLE 24x280mm 5x700lm 930-960 PRE KIT	930/349 – 960/349	125 mA	3,500 lm	3,350 lm	32 W	111 lm/W	105 lm/W	> 90	A+
Operating with LCAI 75 W 250 mA TW Ip									
LLE 24x280mm 3x1500lm 930-960 PRE KIT	930/349 – 960/349	250 mA	4,230 lm	4,020 lm	40 W	104 lm/W	98 lm/W	> 90	A+
LLE 24x280mm 4x1500lm 930-960 PRE KIT	930/349 – 960/349	250 mA	5,640 lm	5,360 lm	52 W	106 lm/W	101 lm/W	> 90	A+
LLE 24x280mm 5x1500lm 930-960 PRE KIT	930/349 – 960/349	250 mA	7,050 lm	6,700 lm	63 W	110 lm/W	104 lm/W	> 90	A+

¹⁾ Mixing of components from different sets is not allowed due to the pre-calibration of the system.

²⁾ Tolerance range for optical data over the CCT range: $\pm 5\%$.

³⁾ Tolerance range for electrical data: $\pm 5\%$.

⁴⁾ Colour temperature and CRI according to CIE 1931.

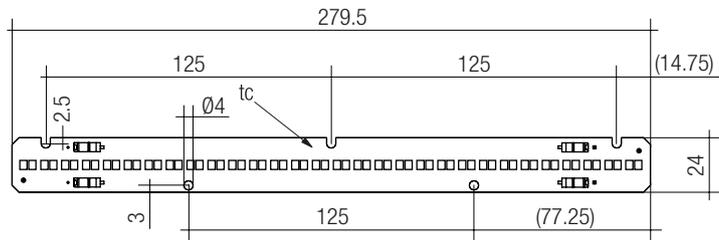


Module LLE PREMIUM CRI90 system
Engine LLE PREMIUM

Product description

- Linear Tunable White LED module with 2,700 and 6,500 K SMT packages
- High module efficacy up to 122 lm/W at $t_p = 65\text{ }^\circ\text{C}$
- High colour rendering index CRI > 90
- Low tolerances for colour temperature (MacAdam 3)
- Low light current tolerances
- Excellent thermal management
- Ideal for linear and panel lights
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request



Technical data

Beam angle	120°
Ambient temperature t_a ¹⁾	-25 ... +55 °C
t_p rated	65 °C
t_c	80 °C
I _{rated} for LLE-24-280-700	125 mA
I _{rated} for LLE-24-280-1500	250 mA
I _{max} for LLE-24-280-700	150 mA
I _{max} for LLE-24-280-1500	300 mA
Max. DC forward current for LLE-24-280-700	165 mA
Max. DC forward current for LLE-24-280-1500	330 mA
Max. permissible LF current ripple for LLE-24-280-700	180 mA
Max. permissible LF current ripple for LLE-24-280-1500	360 mA
Max. permissible peak current for LLE-24-280-7000	240 mA / max. 10 ms
Max. permissible peak current for LLE-24-280-1500	480 mA / max. 10 ms
Max. working voltage for insulation ²⁾⁴⁾	500 V
Insulation test voltage	2 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (EN 62471:2008)	0
Classification acc. to IEC 62031	Built-in
Type of protection	IPO0



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Channel	Photometric code	Typ. luminous flux at $t_p = 25\text{ }^\circ\text{C}$ ¹⁾	Typ. luminous flux at $t_p = 65\text{ }^\circ\text{C}$ ¹⁾	Typ. forward current ²⁾	Min. forward voltage at $t_p = 65\text{ }^\circ\text{C}$ ²⁾	Max. forward voltage at $t_p = 25\text{ }^\circ\text{C}$ ²⁾	Typ. power consumption at $t_p = 65\text{ }^\circ\text{C}$ ²⁾	Efficacy of the module at $t_p = 25\text{ }^\circ\text{C}$	Efficacy of the module at $t_p = 65\text{ }^\circ\text{C}$	Colour rendering index CRI ³⁾
LLE 24x280mm 700lm 927-965 PRE	WW	827/349	670 lm	630 lm	125 mA	42.7 V	48.4 V	5.6 W	115 lm/W	113 lm/W	90
LLE 24x280mm 700lm 927-965 PRE	CW	865/349	720 lm	685 lm	125 mA	42.7 V	48.4 V	5.6 W	124 lm/W	122 lm/W	90
LLE 24x280mm 1500lm 927-965 PRE	WW	827/349	1,330 lm	1,260 lm	250 mA	42.7 V	48.4 V	11.3 W	115 lm/W	113 lm/W	90
LLE 24x280mm 1500lm 927-965 PRE	CW	865/349	1,440 lm	1,370 lm	250 mA	42.7 V	48.4 V	11.3 W	124 lm/W	122 lm/W	90

¹⁾ CRI according to CIE 1931.

²⁾ Tolerance range for electrical data: ±5 %.

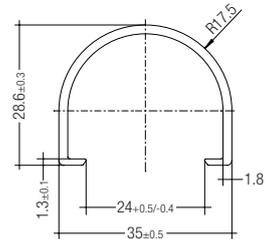
³⁾ Tolerance range for optical data over the CCT range: ±5 %.

⁴⁾ Mounted with non-conductive element like ACL CLIP 4.3mm.

LINEAR COVER SY

Product description

- LINEAR COVER for LLE 24
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- High transmission:
 - transparent 94 %
 - semi-transparent 87 %
 - diffuse 76 %
- Made of PMMA
- Tolerances: ± 1 mm for 597 mm length (ends finished),
+ 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm length (ends raw)



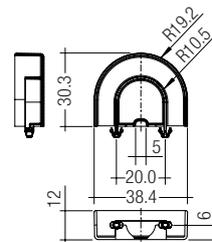
Ordering data

Type	Article number	Colour	Length	Packaging, carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	28000338	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	28000437	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	28000339	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	28000435	Semi-transparent	1,500 mm	12 pc(s).	0.244 kg
LINEAR COVER SY Frosted 1200mm	28000422	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	28000340	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	28000438	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	28000341	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	28000436	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	28000434	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	28000342	Diffuse	597 mm	12 pc(s).	0.102 kg

ACL ENDCAP LLE24 PUSH-FIX

Product description

- ENDCAP for LLE 24
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm),
for drilling hole 4 mm
- Made of polycarbonate



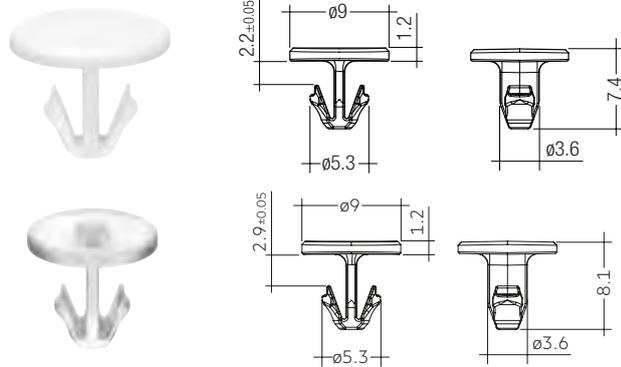
Ordering data

Type	Article number	Colour	Packaging, carton	Weight per pc.
ACL ENDCAP LLE24 PUSH-FIX	28001037	White	480 pc(s).	0.003 kg

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

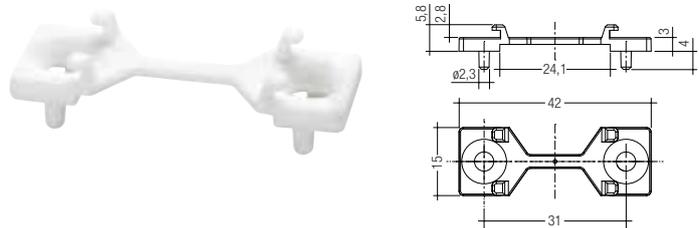
¹⁾ Minimum sales quantity 500 pcs.

RoHS

BRIDGE LLE24/40

Product description

- Enables the fixation of 24 mm wide Tridonic LED modules to fixtures made for 40 mm wide modules
- Ideal for extruded aluminium gear trays made for 40 mm modules with pre-alignment knobs
- Clip-on for LINEAR COVER and LINEAR LENS ²⁾
- For LLE 24 with 280 mm module minimum 2 bridges required
- For LLE 24 with 560 mm module minimum 3 bridges required
- Fixation via M3 or M4 countersunk screw, max. tightening torque 0.5 Nm
- BRIDGE made of white polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL BRIDGE LLE24/40 SCREW-FIX	28001205	White	600 pc(s).	0.001 kg

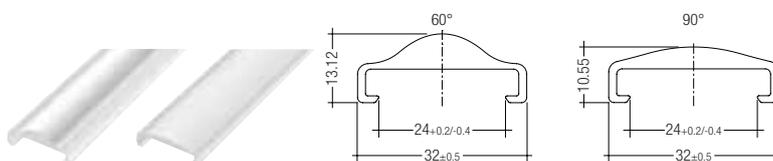
¹⁾ Minimum sales quantity 600 pcs.

²⁾ Beam characteristics will change due to the elevated fixation (see photometric files for details).

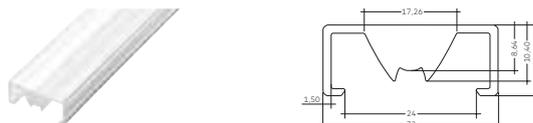
LINEAR LENS

Product description

- Linear lens for LLE 24
- Available with different beam characteristics
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Available lengths: 1,200, 1,500, 1,600 and 1,800 mm,
Tolerance: + 10 mm, at 1,600 mm
± 20 mm tolerances and ends raw
- Photometric data available on website



ACL LINEAR LENS 24mm 60° and 90°



ACL LINEAR LENS 24mm INTENSE



ACL LINEAR LENS 24mm BATWING



ACL LINEAR LENS 24mm ASY



ACL LINEAR LENS 24mm DASY

Ordering data

Type	Article number	Beam characteristic	Efficiency	Packaging, carton	Weight per pc.
ACL LINEAR LENS 24x1200mm 60°	28001428	60°	97 %	21 pc(s).	0.196 kg
ACL LINEAR LENS 24x1200mm 90°	28001429	90°	97 %	21 pc(s).	0.165 kg
ACL LINEAR LENS 24x1600mm 60°	28000953	60°	97 %	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	28000955	90°	97 %	21 pc(s).	0.221 kg
ACL LINEAR LENS 24x1200mm INTENSE	28002024	40°	95 %	18 pc(s).	0.261 kg
ACL LINEAR LENS 24x1500mm INTENSE	28002025	40°	95 %	18 pc(s).	0.326 kg
ACL LINEAR LENS 24x1800mm INTENSE	28002026	40°	95 %	18 pc(s).	0.392 kg
ACL LINEAR LENS 24x1200mm BATWING	28002027	batwing	95 %	18 pc(s).	0.275 kg
ACL LINEAR LENS 24x1500mm BATWING	28002028	batwing	95 %	18 pc(s).	0.344 kg
ACL LINEAR LENS 24x1800mm BATWING	28002029	batwing	95 %	18 pc(s).	0.412 kg
ACL LINEAR LENS 24x1200mm ASY	28002030	asymmetric	95 %	18 pc(s).	0.250 kg
ACL LINEAR LENS 24x1500mm ASY	28002031	asymmetric	95 %	18 pc(s).	0.312 kg
ACL LINEAR LENS 24x1800mm ASY	28002032	asymmetric	95 %	18 pc(s).	0.375 kg
ACL LINEAR LENS 24x1200mm DASY	28002033	double asymmetric	92 %	18 pc(s).	0.249 kg
ACL LINEAR LENS 24x1500mm DASY	28002034	double asymmetric	92 %	18 pc(s).	0.311 kg
ACL LINEAR LENS 24x1800mm DASY	28002035	double asymmetric	92 %	18 pc(s).	0.373 kg

IP20 

Driver LCAI TW Ip

Engine LLE PREMIUM

Product description

- LED Driver for LLE PREMIUM modules
- Output power: 38 or 75 W
- Power input on stand-by < 0.3 W

Properties

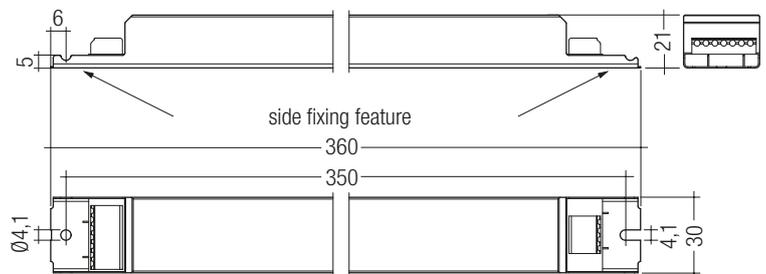
- Low profile LED Driver with digital interface (DALI Device Type 8, DSI, switchDIM, colourTEMPERATURE)
 - switchDIM and colourTEMPERATURE with memory function¹⁾²⁾
 - Powerless switching via digital interface (no need for switching via mains)
 - Intelligent Temperature Guard (protection against thermal damage)
 - Short-circuit shutdown feature with one restart (after 0.5 s)
 - Overload protection with one restart (after 0.5 s)
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
Input voltage range, AC	198 – 264 V
Input voltage range, DC	176 – 280 V
Rated current (at 230 V 50 Hz) for 38 W	0.18 A
Rated current (at 230 V 50 Hz) for 75 W	0.35 A
Mains frequency	0 / 50 / 60 Hz
Efficiency for 38 W	90 %
Efficiency for 75 W	93 %
λ (at 230 V 50 Hz, full load)	0.96
Control input ¹⁾	DSI, DALI, switchDIM, colourTEMPERATURE
Stand-by power	< 0.3 W
Max. output voltage (no-load voltage)	270 V
Dimming range	10 – 100 %
PWM frequency	200 – 500 Hz
Starting time (at 230 V 50 Hz)	< 0.5 s
Switchover time AC/DC and DC/AC	< 1 s
Leakage current (PE)	150 μ A
t_a operating (at life-time 50,000 h) for 38 W	-25 ... +60 °C
t_a operating (at life-time 50,000 h) for 75 W	-25 ... +55 °C
Max. casing temperature t_c (at life-time 50,000 h) for 38 W	70 °C
Max. casing temperature t_c (at life-time 50,000 h) for 75 W	75 °C

¹⁾ In DC operation the last set colour is used.

²⁾ No colourTEMPERATURE mode at DC operation.



Engine LLE G2 PREMIUM system

Engine LLE PREMIUM

Product description

- Linear Tunable White system with adjustable colour temperature from 2,700 to 6,500 K at constant luminous flux
- Precalibrated set to ensure light quality and high colour consistency, consisting of linear low profile LED Driver and 3 to 6 LED modules (700 lm) or 2 to 6 LED modules (1,500 lm) ¹⁾
- High colour rendering index CRI > 90
- Outstanding system colour tolerance
- High system efficiency up to 112 lm/W at tp = 65 °C
- Linear LED modules with 700 or 1,500 lm
- Dimming range 3 – 100 % without change of colour temperature
- Long life-time of 50,000 h and 5-year system guarantee



Interfaces

- one4all (DALI DT8, DSI, switchDIM, corridorFUNCTION V2)
- colourSWITCH
- Push terminals for simple wiring

Functions

- Constant light output function (CLO)
- colourSWITCH with predefined colours
- switchDIM and colourSWITCH with memory function
- Power-up fading and fade to zero
- Configurable via DALI
- Protective features (overtemperature, short-circuit, overload, no-load, reduced surge amplification)
- Suitable for emergency lighting acc. to EN 50172

Typical applications

- For linear lighting in office applications
 - Tunable White application
- For product data sheet go to www.tridonic.com, or available on request



Technical data Module LLE PREMIUM, [page 654](#)

Product description Module LLE PREMIUM [see data sheet](#)

Technical data Driver LCA 50/100W DT8, [page 655-656](#)

Product description Driver LCA 50/100W DT8 [see data sheet](#)

Accessories, [page 657-659](#)

Ordering data

Type	Article number	System components
LLE G2 24x280mm 3x700lm 927-965 LV PRE	89602931	LCA 50W PRE + 3 LED modules at 700 lm
LLE G2 24x280mm 4x700lm 927-965 LV PRE	89602932	LCA 50W PRE + 4 LED modules at 700 lm
LLE G2 24x280mm 5x700lm 927-965 LV PRE	89602933	LCA 50W PRE + 5 LED modules at 700 lm
LLE G2 24x280mm 6x700lm 927-965 LV PRE	89602934	LCA 50W PRE + 6 LED modules at 700 lm
LLE G2 24x280mm 2x1500lm 927-965 LV PRE	89602935	LCA 50W PRE + 2 LED modules at 1,500 lm
LLE G2 24x280mm 3x1500lm 927-965 LV PRE	89602936	LCA 50W PRE + 3 LED modules at 1,500 lm
LLE G2 24x280mm 4x1500lm 927-965 LV PRE	89602937	LCA 100W PRE + 4 LED modules at 1,500 lm
LLE G2 24x280mm 5x1500lm 927-965 LV PRE	89602938	LCA 100W PRE + 5 LED modules at 1,500 lm
LLE G2 24x280mm 6x1500lm 927-965 LV PRE	89602939	LCA 100W PRE + 6 LED modules at 1,500 lm

Specific technical data

Type	Typ. luminous flux at tp = 25 °C ²⁾	Typ. luminous flux at tp = 65 °C ²⁾	Typ. power consumption at tp = 65 °C ³⁾	Efficacy of the system at tp = 25 °C	Efficacy of the system at tp = 65 °C	Colour rendering index CRI, 2,700 – 6,500 K	Energy classification
700 lm module							
LLE G2 24x280mm 3x700lm 927-965 LV PRE	2,250 lm	2,100 lm	20.5 W	109 lm/W	102 lm/W	> 90	A+
LLE G2 24x280mm 4x700lm 927-965 LV PRE	3,000 lm	2,800 lm	26.4 W	113 lm/W	106 lm/W	> 90	A+
LLE G2 24x280mm 5x700lm 927-965 LV PRE	3,750 lm	3,500 lm	32.0 W	117 lm/W	109 lm/W	> 90	A+
LLE G2 24x280mm 6x700lm 927-965 LV PRE	4,500 lm	4,200 lm	38.4 W	117 lm/W	109 lm/W	> 90	A+
1,500 lm module							
LLE G2 24x280mm 2x1500lm 927-965 LV PRE	3,190 lm	3,000 lm	28.6 W	111 lm/W	104 lm/W	> 90	A+
LLE G2 24x280mm 3x1500lm 927-965 LV PRE	4,780 lm	4,500 lm	41.1 W	116 lm/W	109 lm/W	> 90	A+
LLE G2 24x280mm 4x1500lm 927-965 LV PRE	6,380 lm	6,000 lm	54.1 W	117 lm/W	110 lm/W	> 90	A+
LLE G2 24x280mm 5x1500lm 927-965 LV PRE	7,980 lm	7,500 lm	67.3 W	118 lm/W	111 lm/W	> 90	A+
LLE G2 24x280mm 6x1500lm 927-965 LV PRE	9,570 lm	9,000 lm	79.9 W	119 lm/W	112 lm/W	> 90	A+

¹⁾ Mixing of components from different sets is not allowed due to the pre-calibration of the system.

²⁾ Tolerance range for optical data over the CCT range: ±5 %.

³⁾ Tolerance range for electrical data: ±5 %.



Module LLE G2 PREMIUM system

Engine LLE PREMIUM

Technical data

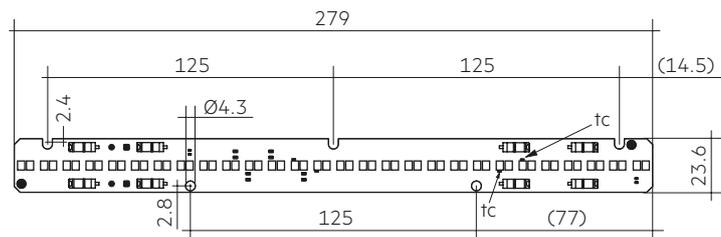
Beam characteristic	120°
Ambient temperature ta ³⁾	-25 ... +55 °C
tp rated	65 °C
tc	85 °C
Irated for 700 lm	125 mA
Irated for 1,500 lm	275 mA
Imax for 700 lm	165 mA
Imax for 1,500 lm	330 mA
Max. permissible LF current ripple for 700 lm	185 mA
Max. permissible LF current ripple for 1,500 lm	360 mA
Max. permissible peak current for 700 lm	240 mA / max. 10 ms
Max. permissible peak current for 1,500 lm	480 mA / max. 10 ms
Max. working voltage for insulation SELV ^{2) 3)}	60 V
Insulation test voltage	0.5 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 1
Risk group (EN 62471:2008)	RG0
Classification acc. to IEC 62031	Built-in
Type of protection	IP00



TW LLE G2 24x280mm 700lm 927-965 PRE



TW LLE G2 24x280mm 1500lm 927-965 PRE



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Channel	Photo-metric code	Typ. luminous flux at tp = 25 °C ¹⁾	Typ. luminous flux at tp = 65 °C ¹⁾	Typ. forward current ²⁾	Min. forward voltage at tp = 65 °C ²⁾	Max. forward voltage at tp = 25 °C ²⁾	Typ. power consumption at tp = 65 °C ²⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C	Colour rendering index CRI
TW LLE G2 24x280mm 700lm 927-965 PRE	WW	927/3x9	710 lm	670 lm	125 mA	4.12 V	4.51 V	5.3 W	131 lm/W	126 lm/W	90
	CW	965/3x9	770 lm	740 lm	125 mA	4.12 V	4.51 V	5.3 W	143 lm/W	139 lm/W	90
TW LLE G2 24x280mm 1500lm 927-965 PRE	WW	927/3x9	1,560 lm	1,470 lm	275 mA	4.18 V	4.57 V	11.8 W	128 lm/W	124 lm/W	90
	CW	965/3x9	1,700 lm	1,610 lm	275 mA	4.18 V	4.57 V	11.8 W	140 lm/W	136 lm/W	90

¹⁾ Tolerance range for optical data over the CCT range: ±5 %.

²⁾ Tolerance range for electrical data: ±5 %.

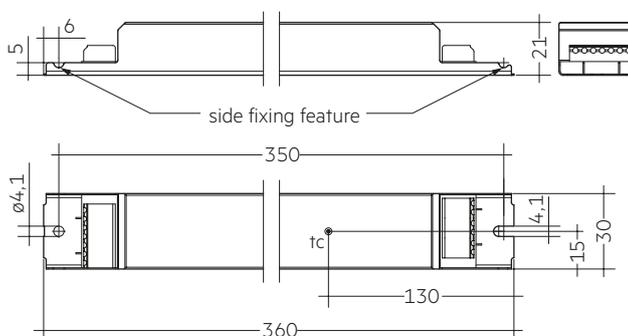
³⁾ Mounted with non-conductive element like ACL CLIP 4.3mm.

⁴⁾ Integral measurement over the complete module.

Driver LCA 50W 350–1050mA DT8 Ip PRE system
Engine LLE PREMIUM

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	105 – 252 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	47 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 500 µA
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	89 %
λ (at 230 V, 50 Hz, full load) ¹⁾	> 0.97
Typ. power input on stand-by ³⁾	< 0.25 W
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	0.5 W
In-rush current (peak / duration)	29 A / 180 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ^{1) 4)}	± 3 %
Max. output current peak (non-repetitive)	± output current + 20 %
Output LF current ripple (< 120 Hz)	± 4 %
Max. output voltage (no-load voltage)	60 V
Dimming range	3 – 100 %
Colour tuning range	2,700 – 6,500 K
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	360 x 30 x 21 mm



Specific technical data

Type	Output current ^{4) 5)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature t _c	Ambient temperature t _a max.	I-select 2 resistor value ⁶⁾
LCA 50W 350-1050mA DT8 Ip PRE	350 mA	20 V	50.0 V	17.5 W	211 W	105 mA	75 °C	-25 ... +55 °C	open
	400 mA	20 V	50.0 V	20.0 W	239 W	116 mA	75 °C	-25 ... +55 °C	12.50 kΩ
	450 mA	20 V	50.0 V	22.5 W	26.4 W	126 mA	75 °C	-25 ... +55 °C	11.11 kΩ
	500 mA	20 V	50.0 V	25.0 W	29.1 W	137 mA	75 °C	-25 ... +55 °C	10.00 kΩ
	550 mA	20 V	50.0 V	27.5 W	31.8 W	148 mA	75 °C	-25 ... +55 °C	9.09 kΩ
	600 mA	20 V	50.0 V	30.0 W	34.4 W	159 mA	75 °C	-25 ... +55 °C	8.33 kΩ
	650 mA	20 V	50.0 V	32.5 W	37.1 W	170 mA	75 °C	-25 ... +55 °C	7.69 kΩ
	700 mA	20 V	50.0 V	35.0 W	39.7 W	182 mA	75 °C	-25 ... +50 °C	7.14 kΩ
	750 mA	20 V	50.0 V	37.5 W	42.2 W	193 mA	75 °C	-25 ... +50 °C	6.67 kΩ
	800 mA	20 V	50.0 V	40.0 W	45.2 W	204 mA	75 °C	-25 ... +50 °C	6.25 kΩ
	850 mA	20 V	50.0 V	42.5 W	47.9 W	216 mA	75 °C	-25 ... +50 °C	5.88 kΩ
	900 mA	20 V	50.0 V	45.0 W	50.5 W	227 mA	75 °C	-25 ... +50 °C	5.56 kΩ
	950 mA	20 V	50.0 V	47.5 W	53.4 W	239 mA	75 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	20 V	50.0 V	50.0 W	56.1 W	251 mA	75 °C	-25 ... +50 °C	5.00 kΩ
	1,050 mA	20 V	47.6 V	50.0 W	56.3 W	252 mA	75 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

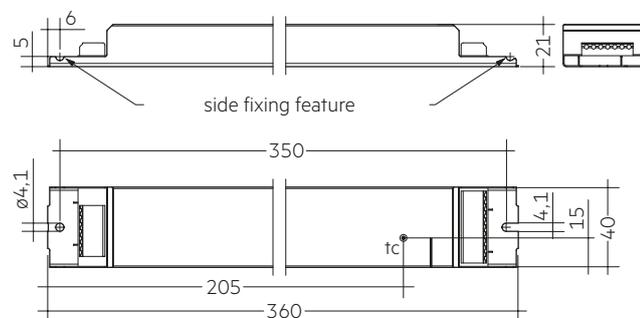
⁵⁾ Not compatible with I-select (generation 1).

⁶⁾ Output current is mean value.

Driver LCA 100W 350–1050mA 2xDT8 Ip PRE system
Engine LLE PREMIUM

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 288 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	185 – 488 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	87 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 500 µA
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	90 %
λ (at 230 V, 50 Hz, full load) ¹⁾	> 0.98
Typ. power input on stand-by ³⁾	< 0.25 W
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	< 0.5 W
In-rush current (peak / duration)	39 A / 286 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 6 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ^{1) 4)}	± 3 %
Max. output current peak (non-repetitive)	≤ output current + 20 %
Output LF current ripple (< 120 Hz)	± 4 %
Max. output voltage (no-load voltage)	60 V
Dimming range	3 – 100 %
Colour tuning range	2,700 – 6,500 K
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	360 x 40 x 21 mm



Specific technical data

Type	Output current for each channel ^{4) 5)}	Min. forward voltage per channel	Max. forward voltage per channel	Max. output power per channel	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.	I-select 2 resistor value ⁶⁾
LCA 100W 350-1050mA 2xDT8 Ip PRE	350 mA	20 V	50.0 V	17.5 W	40.7 W	185 mA	80 °C	-25 ... +60 °C	open
	400 mA	20 V	50.0 V	20.0 W	46.0 W	207 mA	80 °C	-25 ... +60 °C	12.50 kΩ
	450 mA	20 V	50.0 V	22.5 W	51.7 W	232 mA	80 °C	-25 ... +60 °C	11.11 kΩ
	500 mA	20 V	50.0 V	25.0 W	57.1 W	255 mA	80 °C	-25 ... +60 °C	10.00 kΩ
	550 mA	20 V	50.0 V	27.5 W	62.5 W	278 mA	80 °C	-25 ... +60 °C	9.09 kΩ
	600 mA	20 V	50.0 V	30.0 W	67.8 W	300 mA	80 °C	-25 ... +60 °C	8.33 kΩ
	650 mA	20 V	50.0 V	32.5 W	73.0 W	323 mA	80 °C	-25 ... +60 °C	7.69 kΩ
	700 mA	20 V	50.0 V	35.0 W	78.4 W	346 mA	80 °C	-25 ... +55 °C	7.14 kΩ
	750 mA	20 V	50.0 V	37.5 W	83.9 W	370 mA	80 °C	-25 ... +55 °C	6.67 kΩ
	800 mA	20 V	50.0 V	40.0 W	89.4 W	393 mA	80 °C	-25 ... +55 °C	6.25 kΩ
	850 mA	20 V	50.0 V	42.5 W	94.8 W	417 mA	80 °C	-25 ... +55 °C	5.88 kΩ
	900 mA	20 V	50.0 V	45.0 W	100.6 W	441 mA	80 °C	-25 ... +50 °C	5.56 kΩ
	950 mA	20 V	50.0 V	47.5 W	105.8 W	464 mA	80 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	20 V	50.0 V	50.0 W	111.5 W	488 mA	80 °C	-25 ... +50 °C	5.00 kΩ
	1,050 mA	20 V	47.6 V	50.0 W	114.4 W	488 mA	80 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

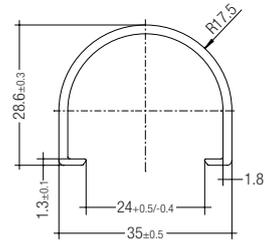
⁵⁾ Not compatible with I-select (generation 1).

⁶⁾ Output current is mean value.

LINEAR COVER SY

Product description

- LINEAR COVER for LLE 24
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- High transmission:
 - transparent 94 %
 - semi-transparent 87 %
 - diffuse 76 %
- Made of PMMA
- Tolerances: ± 1 mm for 597 mm length (ends finished),
+ 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm length (ends raw)



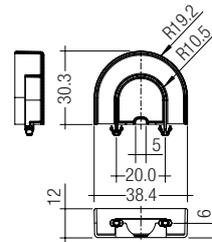
Ordering data

Type	Article number	Colour	Length	Packaging, carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	28000338	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	28000437	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	28000339	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	28000435	Semi-transparent	1,500 mm	12 pc(s).	0.244 kg
LINEAR COVER SY Frosted 1200mm	28000422	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	28000340	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	28000438	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	28000341	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	28000436	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	28000434	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	28000342	Diffuse	597 mm	12 pc(s).	0.102 kg

ACL ENDCAP LLE24 PUSH-FIX

Product description

- ENDCAP for LLE 24
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm),
for drilling hole 4 mm
- Made of polycarbonate



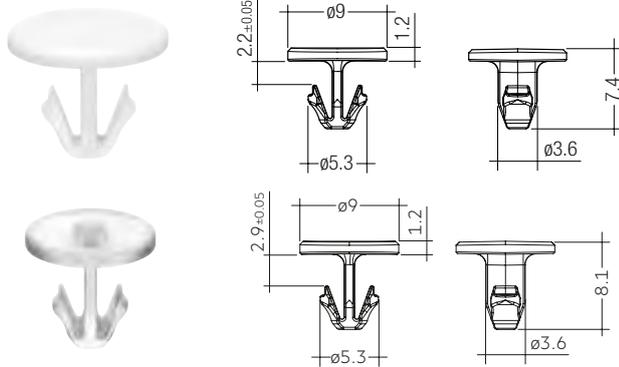
Ordering data

Type	Article number	Colour	Packaging, carton	Weight per pc.
ACL ENDCAP LLE24 PUSH-FIX	28001037	White	480 pc(s).	0.003 kg

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

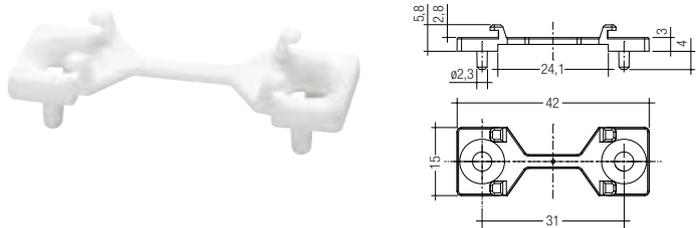
¹⁾ Minimum sales quantity 500 pcs.

RoHS

BRIDGE LLE24/40

Product description

- Enables the fixation of 24 mm wide Tridonic LED modules to fixtures made for 40 mm wide modules
- Ideal for extruded aluminium gear trays made for 40 mm modules with pre-alignment knobs
- Clip-on for LINEAR COVER and LINEAR LENS ²⁾
- For LLE 24 with 280 mm module minimum 2 bridges required
- For LLE 24 with 560 mm module minimum 3 bridges required
- Fixation via M3 or M4 countersunk screw, max. tightening torque 0.5 Nm
- BRIDGE made of white polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL BRIDGE LLE24/40 SCREW-FIX	28001205	White	600 pc(s).	0.001 kg

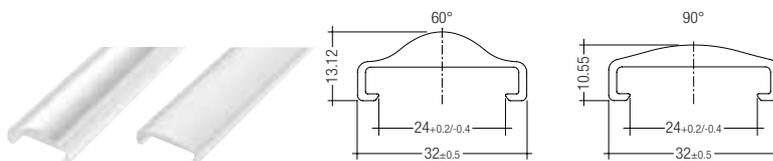
¹⁾ Minimum sales quantity 600 pcs.

²⁾ Beam characteristics will change due to the elevated fixation (see photometric files for details).

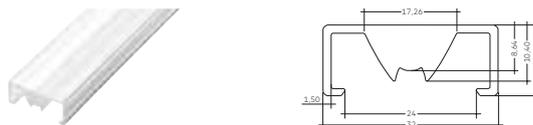
LINEAR LENS

Product description

- Linear lens for LLE 24
- Available with different beam characteristics
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Available lengths: 1,200, 1,500, 1,600 and 1,800 mm,
Tolerance: + 10 mm, at 1,600 mm
± 20 mm tolerances and ends raw
- Photometric data available on website



ACL LINEAR LENS 24mm 60° and 90°



ACL LINEAR LENS 24mm INTENSE



ACL LINEAR LENS 24mm BATWING



ACL LINEAR LENS 24mm ASY



ACL LINEAR LENS 24mm DASY

Ordering data

Type	Article number	Beam characteristic	Efficiency	Packaging, carton	Weight per pc.
ACL LINEAR LENS 24x1200mm 60°	28001428	60°	97 %	21 pc(s).	0.196 kg
ACL LINEAR LENS 24x1200mm 90°	28001429	90°	97 %	21 pc(s).	0.165 kg
ACL LINEAR LENS 24x1600mm 60°	28000953	60°	97 %	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	28000955	90°	97 %	21 pc(s).	0.221 kg
ACL LINEAR LENS 24x1200mm INTENSE	28002024	40°	95 %	18 pc(s).	0.261 kg
ACL LINEAR LENS 24x1500mm INTENSE	28002025	40°	95 %	18 pc(s).	0.326 kg
ACL LINEAR LENS 24x1800mm INTENSE	28002026	40°	95 %	18 pc(s).	0.392 kg
ACL LINEAR LENS 24x1200mm BATWING	28002027	batwing	95 %	18 pc(s).	0.275 kg
ACL LINEAR LENS 24x1500mm BATWING	28002028	batwing	95 %	18 pc(s).	0.344 kg
ACL LINEAR LENS 24x1800mm BATWING	28002029	batwing	95 %	18 pc(s).	0.412 kg
ACL LINEAR LENS 24x1200mm ASY	28002030	asymmetric	95 %	18 pc(s).	0.250 kg
ACL LINEAR LENS 24x1500mm ASY	28002031	asymmetric	95 %	18 pc(s).	0.312 kg
ACL LINEAR LENS 24x1800mm ASY	28002032	asymmetric	95 %	18 pc(s).	0.375 kg
ACL LINEAR LENS 24x1200mm DASY	28002033	double asymmetric	92 %	18 pc(s).	0.249 kg
ACL LINEAR LENS 24x1500mm DASY	28002034	double asymmetric	92 %	18 pc(s).	0.311 kg
ACL LINEAR LENS 24x1800mm DASY	28002035	double asymmetric	92 %	18 pc(s).	0.373 kg



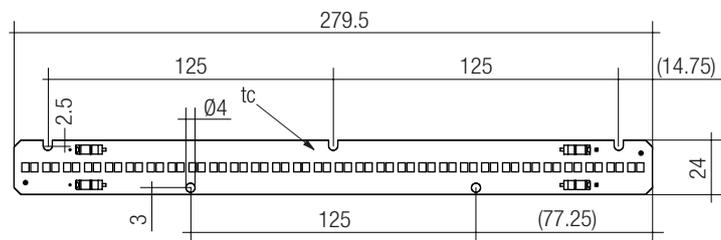
Module STARK LLE PREMIUM

Module LLE PREMIUM

Product description

- Linear Tunable White LED module with 2,700 and 6,500 K SMT packages
- High module efficacy up to 125 lm/W at $t_p = 65^\circ\text{C}$
- High colour rendering index CRI > 80
- Low tolerances for colour temperature (MacAdam 3)
- Low tolerances for luminous flux
- Excellent thermal management¹⁾
- Ideal for linear and panel lights
- Linear LED modules with 700 or 1,500 lm
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request



Technical data

Beam angle	120°
Ambient temperature t_a ¹⁾	-25 ... +55 °C
t_p rated	65 °C
t_c	80 °C
Max. DC forward current for 700 lm ²⁾	150 mA
Max. DC forward current for 1,500 lm ²⁾	300 mA
Max. permissible LF current ripple for 700 lm	180 mA
Max. permissible LF current ripple for 1,500 lm	360 mA
Max. permissible peak current for 700 lm	240 mA / max. 10 ms
Max. permissible peak current for 1,500 lm	480 mA / max. 10 ms
Insulation test voltage	2 kV
ESD classification	Severity level 4
Risk group (EN 62471:2008)	1
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
TW LLE G1 24x280mm 700lm 827-865 PRE	89602390	2,700 / 6,500 K	210 pc(s).	0.031 kg
TW LLE G1 24x280mm 1500lm 827-865 PRE	89602391	2,700 / 6,500 K	210 pc(s).	0.031 kg



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Photometric code	Colour temperature	Forward current ¹⁾	Luminous flux at $t_p = 25^\circ\text{C}$ ^{3) 4)}	Luminous flux at $t_p = 65^\circ\text{C}$ ^{3) 4)}	Power consumption module at $t_p = 65^\circ\text{C}$	Min. forward voltage at $t_p = 65^\circ\text{C}$	Max. forward voltage at $t_p = 25^\circ\text{C}$	Luminous efficacy module at $t_p = 25^\circ\text{C}$	Luminous efficacy module at $t_p = 65^\circ\text{C}$	Colour rendering index CRI (3)
TW LLE G1 24x280mm 700lm 827-865 PRE	827/4x9 - 865/4x9	2,700 K	125 mA	680 lm	645 lm	5.7 W	43.8 V	48.2 V	117 lm/W	113 lm/W	> 80
TW LLE G1 24x280mm 700lm 827-865 PRE	827/4x9 - 865/4x9	6,500 K	125 mA	750 lm	715 lm	5.7 W	43.8 V	48.2 V	129 lm/W	125 lm/W	> 80
TW LLE G1 24x280mm 1500lm 827-865 PRE	827/4x9 - 865/4x9	2,700 K	250 mA	1,360 lm	1,290 lm	11.6 W	43.8 V	48.2 V	116 lm/W	111 lm/W	> 80
TW LLE G1 24x280mm 1500lm 827-865 PRE	827/4x9 - 865/4x9	6,500 K	250 mA	1,500 lm	1,430 lm	11.6 W	43.8 V	48.2 V	128 lm/W	123 lm/W	> 80

¹⁾ If the max. temperature limits are exceeded, the life of the system will be greatly reduced or the system may be damaged.

The temperature of the LED module at the t_c -point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the t_c point see the above diagram.

²⁾ If mounted with M3 screws and plastic washers.

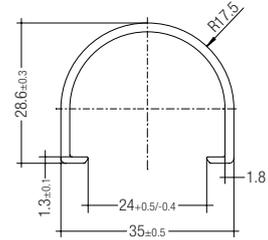
³⁾ Tolerance range for optical data: $\pm 10\%$.

⁴⁾ Colour temperature and CRI according to CIE 1931.

LINEAR COVER SY

Product description

- LINEAR COVER for LLE 24
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- High transmission:
 - transparent 94 %
 - semi-transparent 87 %
 - diffuse 76 %
- Made of PMMA
- Tolerances: ± 1 mm for 597 mm length (ends finished),
+ 20 mm for 1,200/1,500/1,600/1,800 mm length (ends raw)



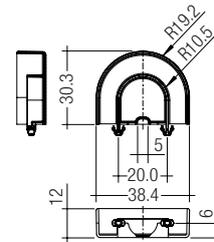
Ordering data

Type	Article number	Colour	Length	Packaging, carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	28000338	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	28000437	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	28000339	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	28000435	Semi-transparent	1,500 mm	12 pc(s).	0.244 kg
LINEAR COVER SY Frosted 1200mm	28000422	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	28000340	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	28000438	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	28000341	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	28000436	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	28000434	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	28000342	Diffuse	597 mm	12 pc(s).	0.102 kg

ACL ENDCAP LLE24 PUSH-FIX

Product description

- ENDCAP for LLE 24
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm),
for drilling hole 4 mm
- Made of polycarbonate



Ordering data

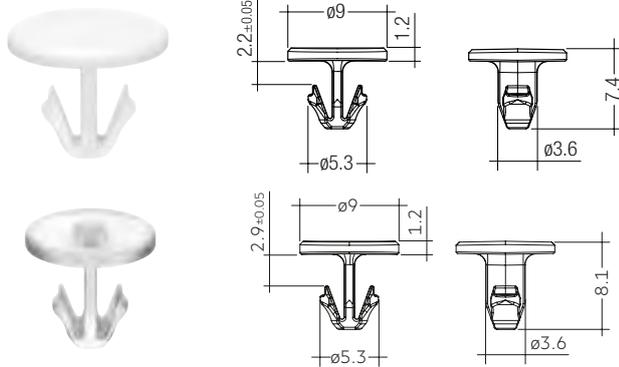
Type	Article number	Colour	Packaging, carton	Weight per pc.
ACL ENDCAP LLE24 PUSH-FIX	28001037	White	480 pc(s).	0.003 kg

ACCES-
SORIES

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

¹⁾ Minimum sales quantity 500 pcs.

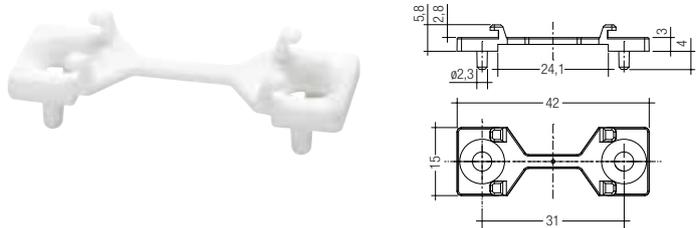
RoHS

ACCES-
SORIES

BRIDGE LLE24/40

Product description

- Enables the fixation of 24 mm wide Tridonic LED modules to fixtures made for 40 mm wide modules
- Ideal for extruded aluminium gear trays made for 40 mm modules with pre-alignment knobs
- Clip-on for LINEAR COVER and LINEAR LENS ²⁾
- For LLE 24 with 280 mm module minimum 2 bridges required
- For LLE 24 with 560 mm module minimum 3 bridges required
- Fixation via M3 or M4 countersunk screw, max. tightening torque 0.5 Nm
- BRIDGE made of white polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL BRIDGE LLE24/40 SCREW-FIX	28001205	White	600 pc(s).	0.001 kg

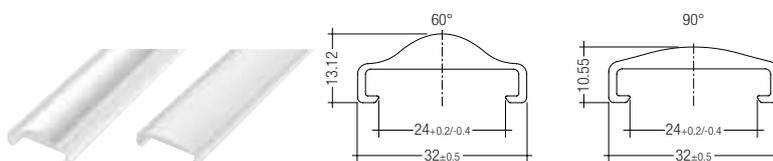
¹⁾ Minimum sales quantity 600 pcs.

²⁾ Beam characteristics will change due to the elevated fixation (see photometric files for details).

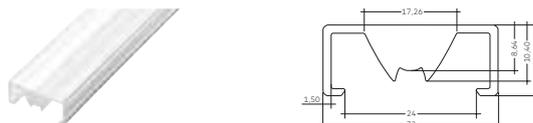
LINEAR LENS

Product description

- Linear lens for LLE 24
- Available with different beam characteristics
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Available lengths: 1,200, 1,500, 1,600 and 1,800 mm,
Tolerance: + 10 mm, at 1,600 mm
± 20 mm tolerances and ends raw
- Photometric data available on website



ACL LINEAR LENS 24mm 60° and 90°



ACL LINEAR LENS 24mm INTENSE



ACL LINEAR LENS 24mm BATWING



ACL LINEAR LENS 24mm ASY



ACL LINEAR LENS 24mm DASY

Ordering data

Type	Article number	Beam characteristic	Efficiency	Packaging, carton	Weight per pc.
ACL LINEAR LENS 24x1200mm 60°	28001428	60°	97 %	21 pc(s).	0.196 kg
ACL LINEAR LENS 24x1200mm 90°	28001429	90°	97 %	21 pc(s).	0.165 kg
ACL LINEAR LENS 24x1600mm 60°	28000953	60°	97 %	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	28000955	90°	97 %	21 pc(s).	0.221 kg
ACL LINEAR LENS 24x1200mm INTENSE	28002024	40°	95 %	18 pc(s).	0.261 kg
ACL LINEAR LENS 24x1500mm INTENSE	28002025	40°	95 %	18 pc(s).	0.326 kg
ACL LINEAR LENS 24x1800mm INTENSE	28002026	40°	95 %	18 pc(s).	0.392 kg
ACL LINEAR LENS 24x1200mm BATWING	28002027	batwing	95 %	18 pc(s).	0.275 kg
ACL LINEAR LENS 24x1500mm BATWING	28002028	batwing	95 %	18 pc(s).	0.344 kg
ACL LINEAR LENS 24x1800mm BATWING	28002029	batwing	95 %	18 pc(s).	0.412 kg
ACL LINEAR LENS 24x1200mm ASY	28002030	asymmetric	95 %	18 pc(s).	0.250 kg
ACL LINEAR LENS 24x1500mm ASY	28002031	asymmetric	95 %	18 pc(s).	0.312 kg
ACL LINEAR LENS 24x1800mm ASY	28002032	asymmetric	95 %	18 pc(s).	0.375 kg
ACL LINEAR LENS 24x1200mm DASY	28002033	double asymmetric	92 %	18 pc(s).	0.249 kg
ACL LINEAR LENS 24x1500mm DASY	28002034	double asymmetric	92 %	18 pc(s).	0.311 kg
ACL LINEAR LENS 24x1800mm DASY	28002035	double asymmetric	92 %	18 pc(s).	0.373 kg



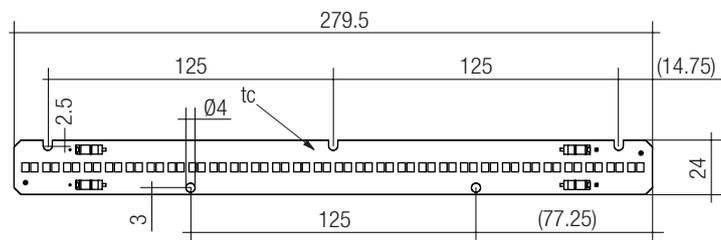
Module LLE PREMIUM CRI90

Module LLE PREMIUM

Product description

- Linear Tunable White LED module with 2,700 and 6,500 K SMT packages
- High module efficacy up to 125 lm/W at $t_p = 65^\circ\text{C}$
- High colour rendering index CRI > 90
- Low tolerances for colour temperature (MacAdam 3)
- Low tolerances for luminous flux
- Excellent thermal management
- Ideal for linear and panel lights
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request



Technical data

Beam characteristic	120°
Ambient temperature $t_a^{3)}$	-25 ... +55 °C
t_p rated	65 °C
t_c	80 °C
I _{rated} for LLE-24-280-700	125 mA
I _{rated} for LLE-24-280-1500	250 mA
I _{max} for LLE-24-280-700	150 mA
I _{max} for LLE-24-280-1500	300 mA
Max. DC forward current for LLE-24-280-700	165 mA
Max. DC forward current for LLE-24-280-1500	330 mA
Max. permissible LF current ripple for LLE-24-280-700	180 mA
Max. permissible LF current ripple for LLE-24-280-1500	360 mA
Max. permissible peak current for LLE-24-280-700	240 mA / max. 10 ms
Max. permissible peak current for LLE-24-280-1500	480 mA / max. 10 ms
Max. working voltage for insulation ²⁾⁴⁾	500 V
Insulation test voltage	2 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (EN 62471:2008)	0
Classification acc. to IEC 62031	Built-in
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
LLE 24x280mm 700lm 927-965 PRE	89602732	2,700 – 6,500 K	210 pc(s).	0.029 kg
LLE 24x280mm 1500lm 927-965 PRE	89602733	2,700 – 6,500 K	210 pc(s).	0.030 kg



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Channel	Photometric code	Typ. luminous flux at $t_p = 25^\circ\text{C}^{1)}$	Typ. luminous flux at $t_p = 65^\circ\text{C}^{1)}$	Typ. forward current ²⁾	Min. forward voltage at $t_p = 65^\circ\text{C}^{2)}$	Max. forward voltage at $t_p = 25^\circ\text{C}^{2)}$	Typ. power consumption at $t_p = 65^\circ\text{C}^{2)}$	Efficacy of the module at $t_p = 25^\circ\text{C}$	Efficacy of the module at $t_p = 65^\circ\text{C}$	Colour rendering index CRI ³⁾
LLE 24x280mm 700lm 927-965 PRE	WW	827/349	670 lm	630 lm	125 mA	4.27 V	48.4 V	5.6 W	115 lm/W	113 lm/W	90
LLE 24x280mm 700lm 927-965 PRE	CW	865/349	720 lm	685 lm	125 mA	4.27 V	48.4 V	5.6 W	124 lm/W	122 lm/W	90
LLE 24x280mm 1500lm 927-965 PRE	WW	827/349	1,330 lm	1,260 lm	250 mA	4.27 V	48.4 V	11.3 W	115 lm/W	113 lm/W	90
LLE 24x280mm 1500lm 927-965 PRE	CW	865/349	1,440 lm	1,370 lm	250 mA	4.27 V	48.4 V	11.3 W	124 lm/W	122 lm/W	90

¹⁾ Tolerance range for optical data over the CCT range: ±5 %.

²⁾ Tolerance range for electrical data: ±5 %.

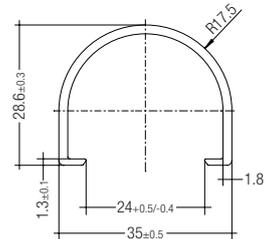
³⁾ CRI according to CIE 1931.

⁴⁾ Mounted with non-conductive element like ACL CLIP 4.3mm.

LINEAR COVER SY

Product description

- LINEAR COVER for LLE 24
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- High transmission:
 - transparent 94 %
 - semi-transparent 87 %
 - diffuse 76 %
- Made of PMMA
- Tolerances: ± 1 mm for 597 mm length (ends finished),
+ 20 mm for 1,200/1,500/1,600/1,800 mm length (ends raw)



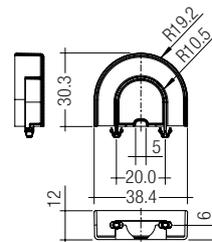
Ordering data

Type	Article number	Colour	Length	Packaging, carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	28000338	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	28000437	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	28000339	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	28000435	Semi-transparent	1,500 mm	12 pc(s).	0.244 kg
LINEAR COVER SY Frosted 1200mm	28000422	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	28000340	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	28000438	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	28000341	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	28000436	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	28000434	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	28000342	Diffuse	597 mm	12 pc(s).	0.102 kg

ACL ENDCAP LLE24 PUSH-FIX

Product description

- ENDCAP for LLE 24
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm),
for drilling hole 4 mm
- Made of polycarbonate



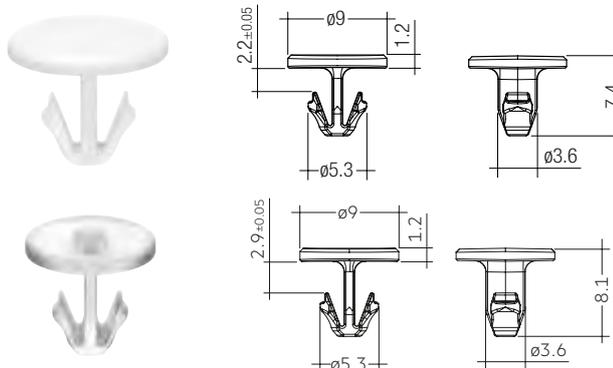
Ordering data

Type	Article number	Colour	Packaging, carton	Weight per pc.
ACL ENDCAP LLE24 PUSH-FIX	28001037	White	480 pc(s).	0.003 kg

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

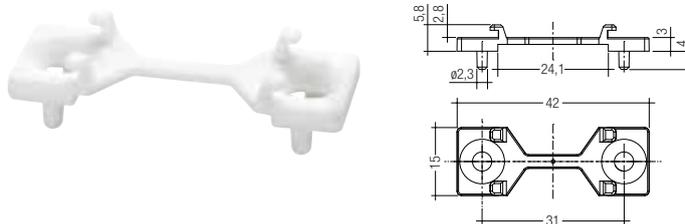
¹⁾ Minimum sales quantity 500 pcs.

RoHS

BRIDGE LLE24/40

Product description

- Enables the fixation of 24 mm wide Tridonic LED modules to fixtures made for 40 mm wide modules
- Ideal for extruded aluminium gear trays made for 40 mm modules with pre-alignment knobs
- Clip-on for LINEAR COVER and LINEAR LENS ²⁾
- For LLE 24 with 280 mm module minimum 2 bridges required
- For LLE 24 with 560 mm module minimum 3 bridges required
- Fixation via M3 or M4 countersunk screw, max. tightening torque 0.5 Nm
- BRIDGE made of white polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL BRIDGE LLE24/40 SCREW-FIX	28001205	White	600 pc(s).	0.001 kg

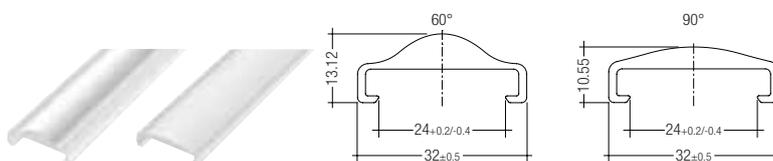
¹⁾ Minimum sales quantity 600 pcs.

²⁾ Beam characteristics will change due to the elevated fixation (see photometric files for details).

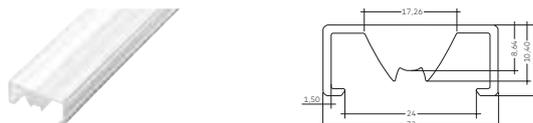
LINEAR LENS

Product description

- Linear lens for LLE 24
- Available with different beam characteristics
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Available lengths: 1,200, 1,500, 1,600 and 1,800 mm,
Tolerance: + 10 mm, at 1,600 mm
± 20 mm tolerances and ends raw
- Photometric data available on website



ACL LINEAR LENS 24mm 60° and 90°



ACL LINEAR LENS 24mm INTENSE



ACL LINEAR LENS 24mm BATWING



ACL LINEAR LENS 24mm ASY



ACL LINEAR LENS 24mm DASY

Ordering data

Type	Article number	Beam characteristic	Efficiency	Packaging, carton	Weight per pc.
ACL LINEAR LENS 24x1200mm 60°	28001428	60°	97 %	21 pc(s).	0.196 kg
ACL LINEAR LENS 24x1200mm 90°	28001429	90°	97 %	21 pc(s).	0.165 kg
ACL LINEAR LENS 24x1600mm 60°	28000953	60°	97 %	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	28000955	90°	97 %	21 pc(s).	0.221 kg
ACL LINEAR LENS 24x1200mm INTENSE	28002024	40°	95 %	18 pc(s).	0.261 kg
ACL LINEAR LENS 24x1500mm INTENSE	28002025	40°	95 %	18 pc(s).	0.326 kg
ACL LINEAR LENS 24x1800mm INTENSE	28002026	40°	95 %	18 pc(s).	0.392 kg
ACL LINEAR LENS 24x1200mm BATWING	28002027	batwing	95 %	18 pc(s).	0.275 kg
ACL LINEAR LENS 24x1500mm BATWING	28002028	batwing	95 %	18 pc(s).	0.344 kg
ACL LINEAR LENS 24x1800mm BATWING	28002029	batwing	95 %	18 pc(s).	0.412 kg
ACL LINEAR LENS 24x1200mm ASY	28002030	asymmetric	95 %	18 pc(s).	0.250 kg
ACL LINEAR LENS 24x1500mm ASY	28002031	asymmetric	95 %	18 pc(s).	0.312 kg
ACL LINEAR LENS 24x1800mm ASY	28002032	asymmetric	95 %	18 pc(s).	0.375 kg
ACL LINEAR LENS 24x1200mm DASY	28002033	double asymmetric	92 %	18 pc(s).	0.249 kg
ACL LINEAR LENS 24x1500mm DASY	28002034	double asymmetric	92 %	18 pc(s).	0.311 kg
ACL LINEAR LENS 24x1800mm DASY	28002035	double asymmetric	92 %	18 pc(s).	0.373 kg



Module LLE G2 PREMIUM

Module LLE PREMIUM

Product description

- Linear Tunable White LED module with 2,700 and 6,500 K SMT packages
 - Ideal for linear and panel luminaires
 - Optimal solution for Tunable White applications together with LCA PRE DT8 or 2 channel low profile LED Drivers
 - Typ. luminous flux of 700 and 1,500 lm
 - Efficacy of the module up to 139 lm/W at $t_p = 65^\circ\text{C}$
 - High colour rendering index CRI > 90
 - Small colour tolerance MacAdam 3⁴⁾
 - Small luminous flux tolerances
 - SELV module – the single module has a forward voltage < 60 V
 - Module dimension of 24 x 280 mm (ZHAGA compliant)
 - Push terminals for quick and simple wiring of LED module to LED module
 - Simple installation (e.g ACL push fix)
 - Excellent thermal management
 - Long life-time: 50,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

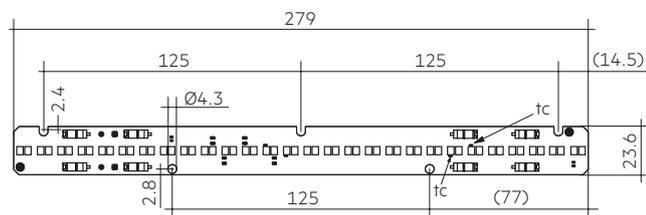
For colour temperatures and tolerances see data sheet



TW LLE G2 24x280mm 700lm 927-965 PRE



TW LLE G2 24x280mm 1500lm 927-965 PRE



Technical data

Beam characteristic	120°
Ambient temperature t_a ³⁾	-25 ... +55 °C
t_p rated	65 °C
t_c	85 °C
I _{rated} for 700 lm	125 mA
I _{rated} for 1,500 lm	275 mA
I _{max} for 700 lm	165 mA
I _{max} for 1,500 lm	330 mA
Max. permissible LF current ripple for 700 lm	185 mA
Max. permissible LF current ripple for 1,500 lm	360 mA
Max. permissible peak current for 700 lm	240 mA / max. 10 ms
Max. permissible peak current for 1,500 lm	480 mA / max. 10 ms
Max. working voltage for insulation SELV ^{2) 3)}	60 V
Insulation test voltage	0,5 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 1
Risk group (EN 62471:2008)	RG0
Classification acc. to IEC 62031	Built-in
Type of protection	IPO0

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
TW LLE G2 24x280mm 700lm 927-965 PRE	89602922	2,700 / 6,500 K	210 pc(s).	0.035 kg
TW LLE G2 24x280mm 1500lm 927-965 PRE	89602923	2,700 / 6,500 K	210 pc(s).	0.048 kg

Specific technical data

Type	Channel	Photo-metric code	Typ. luminous flux at $t_p = 25^\circ\text{C}$ ¹⁾	Typ. luminous flux at $t_p = 65^\circ\text{C}$ ¹⁾	Typ. forward current ²⁾	Min. forward voltage at $t_p = 65^\circ\text{C}$ ²⁾	Max. forward voltage at $t_p = 25^\circ\text{C}$ ²⁾	Typ. power consumption at $t_p = 65^\circ\text{C}$ ²⁾	Efficacy of the module at $t_p = 25^\circ\text{C}$	Efficacy of the module at $t_p = 65^\circ\text{C}$	Colour rendering index CRI
TW LLE G2 24x280mm 700lm 927-965 PRE	WW	927/3x9	710 lm	670 lm	125 mA	41.2 V	45.1 V	5.3 W	131 lm/W	126 lm/W	90
	CW	965/3x9	770 lm	740 lm	125 mA	41.2 V	45.1 V	5.3 W	143 lm/W	139 lm/W	90
TW LLE G2 24x280mm 1500lm 927-965 PRE	WW	927/3x9	1,560 lm	1,470 lm	275 mA	41.8 V	45.7 V	11.8 W	128 lm/W	124 lm/W	90
	CW	965/3x9	1,700 lm	1,610 lm	275 mA	41.8 V	45.7 V	11.8 W	140 lm/W	136 lm/W	90

¹⁾ Tolerance range for optical data over the CCT range: ±5 %.

²⁾ Tolerance range for electrical data: ±5 %.

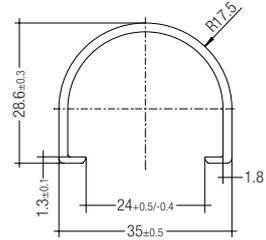
³⁾ Mounted with non-conductive element like ACL CLIP 4.3mm.

⁴⁾ Integral measurement over the complete module.

LINEAR COVER SY

Product description

- LINEAR COVER for LLE 24
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- High transmission:
 - transparent 94 %
 - semi-transparent 87 %
 - diffuse 76 %
- Made of PMMA
- Tolerances: ± 1 mm for 597 mm length (ends finished),
+ 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm length (ends raw)



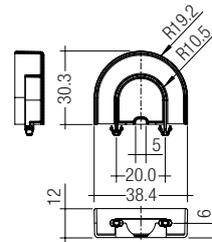
Ordering data

Type	Article number	Colour	Length	Packaging, carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	28000338	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	28000437	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	28000339	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	28000435	Semi-transparent	1,500 mm	12 pc(s).	0.244 kg
LINEAR COVER SY Frosted 1200mm	28000422	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	28000340	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	28000438	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	28000341	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	28000436	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	28000434	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	28000342	Diffuse	597 mm	12 pc(s).	0.102 kg

ACL ENDCAP LLE24 PUSH-FIX

Product description

- ENDCAP for LLE 24
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm),
for drilling hole 4 mm
- Made of polycarbonate



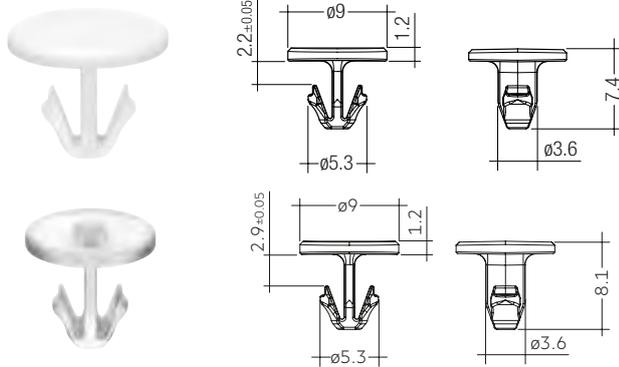
Ordering data

Type	Article number	Colour	Packaging, carton	Weight per pc.
ACL ENDCAP LLE24 PUSH-FIX	28001037	White	480 pc(s).	0.003 kg

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

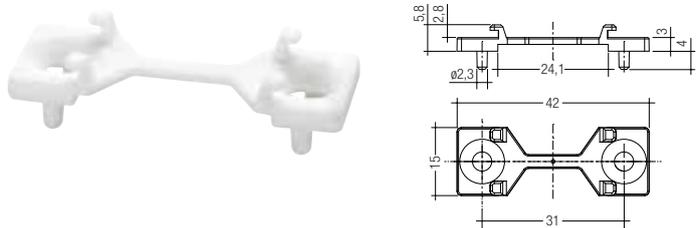
¹⁾ Minimum sales quantity 500 pcs.

RoHS

BRIDGE LLE24/40

Product description

- Enables the fixation of 24 mm wide Tridonic LED modules to fixtures made for 40 mm wide modules
- Ideal for extruded aluminium gear trays made for 40 mm modules with pre-alignment knobs
- Clip-on for LINEAR COVER and LINEAR LENS ²⁾
- For LLE 24 with 280 mm module minimum 2 bridges required
- For LLE 24 with 560 mm module minimum 3 bridges required
- Fixation via M3 or M4 countersunk screw, max. tightening torque 0.5 Nm
- BRIDGE made of white polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL BRIDGE LLE24/40 SCREW-FIX	28001205	White	600 pc(s).	0.001 kg

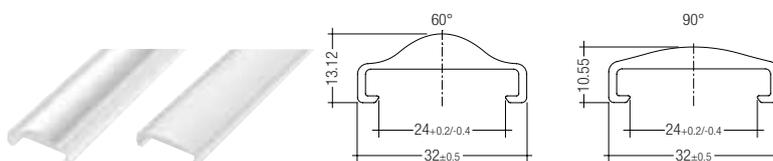
¹⁾ Minimum sales quantity 600 pcs.

²⁾ Beam characteristics will change due to the elevated fixation (see photometric files for details).

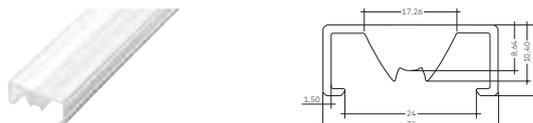
LINEAR LENS

Product description

- Linear lens for LLE 24
- Available with different beam characteristics
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Available lengths: 1,200, 1,500, 1,600 and 1,800 mm,
Tolerance: + 10 mm, at 1,600 mm
± 20 mm tolerances and ends raw
- Photometric data available on website



ACL LINEAR LENS 24mm 60° and 90°



ACL LINEAR LENS 24mm INTENSE



ACL LINEAR LENS 24mm BATWING



ACL LINEAR LENS 24mm ASY



ACL LINEAR LENS 24mm DASY

Ordering data

Type	Article number	Beam characteristic	Efficiency	Packaging, carton	Weight per pc.
ACL LINEAR LENS 24x1200mm 60°	28001428	60°	97 %	21 pc(s).	0.196 kg
ACL LINEAR LENS 24x1200mm 90°	28001429	90°	97 %	21 pc(s).	0.165 kg
ACL LINEAR LENS 24x1600mm 60°	28000953	60°	97 %	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	28000955	90°	97 %	21 pc(s).	0.221 kg
ACL LINEAR LENS 24x1200mm INTENSE	28002024	40°	95 %	18 pc(s).	0.261 kg
ACL LINEAR LENS 24x1500mm INTENSE	28002025	40°	95 %	18 pc(s).	0.326 kg
ACL LINEAR LENS 24x1800mm INTENSE	28002026	40°	95 %	18 pc(s).	0.392 kg
ACL LINEAR LENS 24x1200mm BATWING	28002027	batwing	95 %	18 pc(s).	0.275 kg
ACL LINEAR LENS 24x1500mm BATWING	28002028	batwing	95 %	18 pc(s).	0.344 kg
ACL LINEAR LENS 24x1800mm BATWING	28002029	batwing	95 %	18 pc(s).	0.412 kg
ACL LINEAR LENS 24x1200mm ASY	28002030	asymmetric	95 %	18 pc(s).	0.250 kg
ACL LINEAR LENS 24x1500mm ASY	28002031	asymmetric	95 %	18 pc(s).	0.312 kg
ACL LINEAR LENS 24x1800mm ASY	28002032	asymmetric	95 %	18 pc(s).	0.375 kg
ACL LINEAR LENS 24x1200mm DASY	28002033	double asymmetric	92 %	18 pc(s).	0.249 kg
ACL LINEAR LENS 24x1500mm DASY	28002034	double asymmetric	92 %	18 pc(s).	0.311 kg
ACL LINEAR LENS 24x1800mm DASY	28002035	double asymmetric	92 %	18 pc(s).	0.373 kg



Engine QLE PREMIUM system

Engine QLE PREMIUM

Product description

- Square Tunable White system with adjustable colour temperature from 3,000 to 6,000 K at constant luminous flux
 - Precalibrated set to ensure premium light quality and colour consistency, consisting of LED Driver and 4, 5 or 6 LED modules with luminous flux of 1,250 lm per pc.¹⁾
 - Outstanding system colour tolerance (MacAdam 3) over the full operating area
 - Dimming range 10 – 100 % without change of colour temperature
 - High system efficiency up to 132 lm/W at $t_p = 45\text{ °C}$
 - Low profile LED Driver with digital interface (DALI Device Type 8, DSI, switchDIM, colourTEMPERATURE)
 - Self-cooling (no additional heat sink required)
 - Long life-time of 50,000 h and 5-year system guarantee
- For product data sheet go to www.tridonic.com, or available on request



Ordering data

Type	Article number	Colour temperature
TW QLE G1 270mm 4x1250lm 830-860 PRE KIT	89600647	1 LED Driver + 4 LED modules at 1,250 lm
TW QLE G1 270mm 5x1250lm 830-860 PRE KIT	89602481	1 LED Driver + 5 LED modules at 1,250 lm
TW QLE G1 270mm 6x1250lm 830-860 PRE KIT	89602482	1 LED Driver + 6 LED modules at 1,250 lm

¹⁾ Mixing of components from different sets is not allowed due to the pre-calibration of the system.



Technical data Module QLE PREMIUM, page 673

Product description Module QLE PREMIUM see data sheet

Technical data Driver LCAI TW Ip, page 674

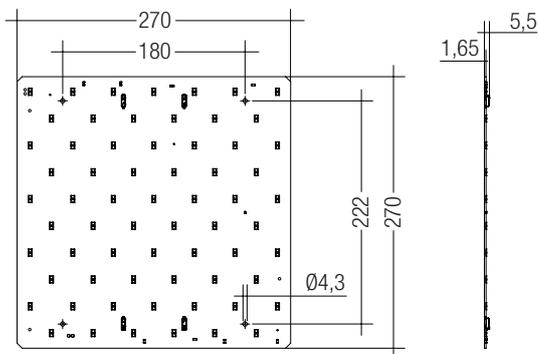
Product description Driver LCAI TW Ip see data sheet



Module QLE PREMIUM system
Engine QLE PREMIUM

Product description

- Tunable White LED module with adjustable colour temperature
 - High colour rendering index CRI > 80
 - Small colour tolerance (MacAdam 3)
 - Low tolerances for luminous flux
 - Excellent thermal management ¹⁾
 - Ideal for panel lights
 - Long life-time: 50,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com,
or available on request



Technical data

Beam angle	120°
Ambient temperature range ¹⁾	-25 ... +55 °C
tp rated	45 °C
tc	85 °C
ESD classification	Severity level 4
Risk group (EN 62471:2008)	1
Type of protection	IPO0



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Photometric code	Typ. forward current	Typ. luminous flux at tp = 25 °C ²⁾³⁾	Typ. luminous flux at tp = 45 °C ²⁾³⁾	Typ. power consumption at tp = 45 °C ⁴⁾	Luminous efficacy system at tp = 25 °C	Luminous efficacy system at tp = 45 °C	Colour rendering index CRI, 3,000 – 6,000 K ⁴⁾	Energy classification
TW QLE G1 270mm 4x1250lm 830-860 PRE	830/349 – 860/349	250 mA	5,280 lm	5,120 lm	38.7 W	134 lm/W	132 lm/W	> 80	A+
TW QLE G1 270mm 5x1250lm 830-860 PRE	830/349 – 860/349	250 mA	6,600 lm	6,400 lm	48.5 W	133 lm/W	132 lm/W	> 80	A+
TW QLE G1 270mm 6x1250lm 830-860 PRE	830/349 – 860/349	250 mA	7,920 lm	7,680 lm	57.8 W	134 lm/W	133 lm/W	> 80	A+

¹⁾ If the max. temperature limits are exceeded, the life of the system will be greatly reduced or the system may be damaged.
The temperature of the LED module at the tc-point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tc point see the above diagram.

²⁾ Tolerance range for optical data over the CCT range: ±5 %.

³⁾ Colour temperature and CRI according to CIE 1931.

⁴⁾ Tolerance range for electrical data: ±5 %.

IP20 

Driver LCAI TW Ip

Engine QLE PREMIUM

Product description

- LED Driver for QLE PREMIUM modules
- Output power: 75 W
- Power input on stand-by < 0.3 W

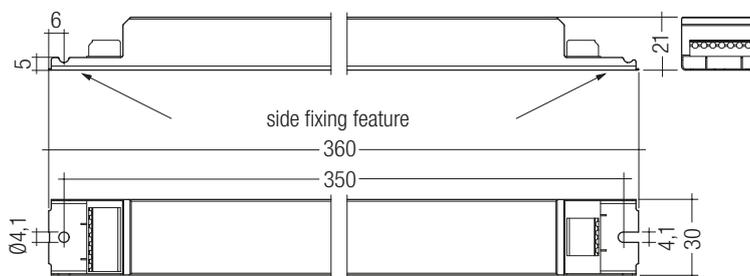
Properties

- Low profile LED Driver with digital interface (DALI Device Type 8, DSI, switchDIM, colourTEMPERATURE)
 - switchDIM and colourTEMPERATURE with memory function¹⁾
 - Powerless switching via digital interface (no need for switching via mains)
 - Intelligent Temperature Guard (protection against thermal damage)
 - Short-circuit shutdown feature with one restart (after 0.5 s)
 - Overload protection with one restart (after 0.5 s)
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
Input voltage range, AC	198 – 264 V
Input voltage range, DC	176 – 280 V
Rated current (at 230 V 50 Hz)	0.35 A
Mains frequency	0 / 50 / 60 Hz
Efficiency	93 %
λ (at 230 V 50 Hz, full load)	0.96
Control input ¹⁾	DSI, DALI, switchDIM, colourTEMPERATURE
Stand-by power	< 0.3 W
Max. output voltage (no-load voltage)	270 V
Dimming range	10 – 100 %
PWM frequency	200 – 500 Hz
Starting time (at 230 V 50 Hz)	< 0.5 s
Switchover time AC/DC and DC/AC	< 1 s
Leakage current (PE)	150 μ A
t_a operating (at life-time 50,000 h)	-25 ... +55 °C
Max. casing temperature t_c (at life-time 50,000 h)	75 °C

¹⁾ In DC operation the last set colour is used. No colourTEMPERATURE mode at DC operation.





Engine QLE PREMIUM CRI90 system
Engine QLE PREMIUM



Product description

- Square Tunable White system with adjustable colour temperature from 3,000 to 6,000 K at constant luminous flux
 - Precalibrated set to ensure premium light quality and colour consistency, consisting of LED Driver and 4, 5 or 6 LED modules with luminous flux of 1,250 lm per pc.¹⁾
 - High colour rendering index CRI > 90
 - Outstanding system colour tolerance MacAdam 3 over the full operating area
 - Dimming range 10 – 100 % without change of colour temperature
 - High system efficiency up to 132 lm/W at tp = 45 °C
 - Low profile LED Driver with digital interface (DALI Device Type 8, DSI, switchDIM, colourTEMPERATURE)
 - Self cooling (no additional heat sink required)
 - Long life-time of 50,000 h and 5-year system guarantee
- For product data sheet go to www.tridonic.com, or available on request

Ordering data

Type	Article number	Colour temperature
QLE 270mm 4x1250lm 930-960 PRE KIT	89602741	1 LED Driver + 4 LED modules at 1,250 lm
QLE 270mm 5x1250lm 930-960 PRE KIT	89602742	1 LED Driver + 5 LED modules at 1,250 lm
QLE 270mm 6x1250lm 930-960 PRE KIT	89602743	1 LED Driver + 6 LED modules at 1,250 lm



Technical data Module QLE PREMIUM CRI90, [page 676](#)

Product description Module QLE PREMIUM CRI90 see data sheet

Technical data Driver LCAI TW Ip, [page 677](#)

Product description Driver LCAI TW Ip see data sheet

Specific technical data

Type	Photometric code	Typ. forward current ²⁾	Typ. luminous flux at tp = 25 °C ²⁾	Typ. luminous flux at tp = 45 °C ²⁾	Typ. power consumption at tp = 45 °C ³⁾	Luminous efficacy system at tp = 25 °C	Luminous efficacy system at tp = 45 °C	Colour rendering index CRI, 3,000 – 6,000 K ⁴⁾	Energy classification
QLE 270mm 4x1250lm 930-960 PRE KIT	930/349 – 960/349	250 mA	5,280 lm	5,160 lm	38.7 W	134 lm/W	133 lm/W	> 90	A+
QLE 270mm 5x1250lm 930-960 PRE KIT	930/349 – 960/349	250 mA	6,600 lm	6,450 lm	48.5 W	133 lm/W	133 lm/W	> 90	A+
QLE 270mm 6x1250lm 930-960 PRE KIT	930/349 – 960/349	250 mA	7,920 lm	7,740 lm	57.8 W	134 lm/W	134 lm/W	> 90	A+

¹⁾ Mixing of components from different sets is not allowed due to the pre-calibration of the system.

²⁾ Tolerance range for optical data over the CCT range: ±5 %.

³⁾ Tolerance range for electrical data: ±5 %.

⁴⁾ Colour temperature and CRI according to CIE 1931.



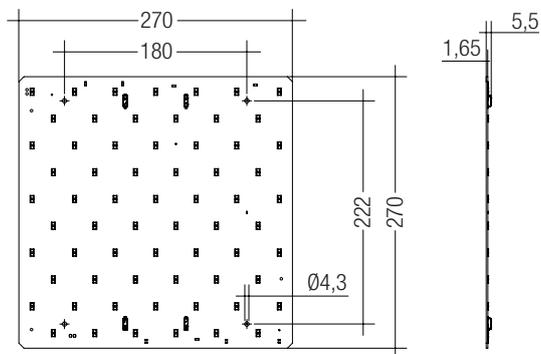
Module QLE PREMIUM CRI90 system

Engine QLE PREMIUM

Product description

- Square Tunable White LED module with 2,700 and 6,500 K SMT packages
- High module efficacy up to 150 lm/W at tp = 45 °C
- High colour rendering index CRI > 90
- Small colour tolerance MacAdam 3
- Low light current tolerances
- Excellent thermal management
- Ideal for linear and panel lights
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request



Technical data

Beam characteristic	120°
Ambient temperature range ³⁾	-25 ... +55 °C
tp rated	45 °C
tc	85 °C
Irated	250 mA
I _{max}	750 mA
Max. DC forward current	825 mA
Max. permissible LF current ripple	900 mA
Max. permissible peak current	1,200 mA / max. 10 ms
Max. working voltage for insulation ^{2),4)}	500 V
Insulation test voltage	2 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (EN 62471:2008)	0
Classification acc. to IEC 62031	Built-in
Type of protection	IP00



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Channel	Photo-metric code	Typ. luminous flux at tp = 25 °C ¹⁾	Typ. luminous flux at tp = 45 °C ¹⁾	Typ. forward current ²⁾	Min. forward voltage at tp = 45 °C ²⁾	Max. forward voltage at tp = 25 °C ²⁾	Typ. power consumption at tp = 45 °C ²⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 45 °C	Colour rendering index CRI, 3,000 – 6,000 K ³⁾
QLE 270mm 1250lm 927-965 PRE	WW	827/349	1,270 lm	1,240 lm	250 mA	33.9 V	38.2 V	9.0 W	139 lm/W	137 lm/W	90
QLE 270mm 1250lm 927-965 PRE	CW	865/349	1,380 lm	1,350 lm	250 mA	33.9 V	38.2 V	9.0 W	152 lm/W	150 lm/W	90

¹⁾ Tolerance range for optical data over the CCT range: ±5 %.

²⁾ Tolerance range for electrical data: ±5 %.

³⁾ CRI according to CIE 1931.

⁴⁾ Mounted with non-conductive element like ACL CLIP 4.3mm.

IP20       RoHS

Driver LCAI TW Ip

Engine QLE PREMIUM

Product description

- LED Driver for QLE PREMIUM modules
- Output power: 75 W
- Power input on stand-by < 0.3 W

Properties

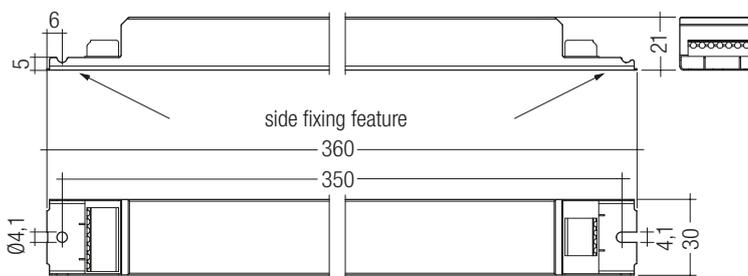
- Low profile LED Driver with digital interface (DALI Device Type 8, DSI, switchDIM, colourTEMPERATURE)
 - switchDIM and colourTEMPERATURE with memory function¹⁾²⁾
 - Powerless switching via digital interface (no need for switching via mains)
 - Intelligent Temperature Guard (protection against thermal damage)
 - Short-circuit shutdown feature with one restart (after 0.5 s)
 - Overload protection with one restart (after 0.5 s)
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
Input voltage range, AC	198 – 264 V
Input voltage range, DC	176 – 280 V
Rated current (at 230 V 50 Hz)	0.35 A
Mains frequency	0 / 50 / 60 Hz
Efficiency	93 %
λ (at 230 V 50 Hz, full load)	0.96
Control input ¹⁾	DSI, DALI, switchDIM, colourTEMPERATURE
Stand-by power	< 0.3 W
Max. output voltage (no-load voltage)	270 V
Dimming range	10 – 100 %
PWM frequency	200 – 500 Hz
Starting time (at 230 V 50 Hz)	< 0.5 s
Switchover time AC/DC and DC/AC	< 1 s
Leakage current (PE)	150 µA
ta operating (at life-time 50,000 h)	-25 ... +55 °C
Max. casing temperature tc (at life-time 50,000 h)	75 °C

¹⁾ In DC operation the last set colour is used.

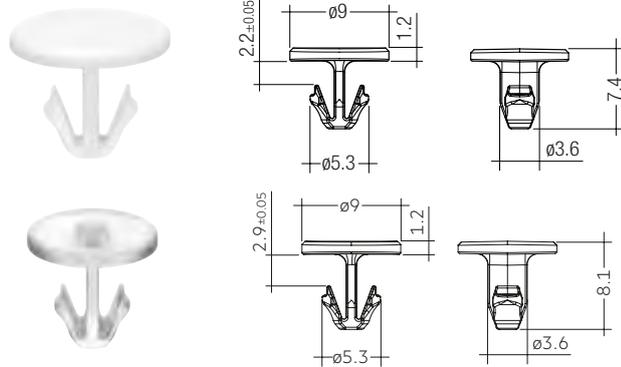
²⁾ No colourTEMPERATURE mode at DC operation.



CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

¹⁾ Minimum sales quantity 500 pcs.

Engine QLE G2 PREMIUM system

Engine QLE PREMIUM

Product description

- Square Tunable White system with adjustable colour temperature from 2,700 to 6,500 K at constant luminous flux
- Precalibrated set to ensure light quality and high colour consistency, consisting of linear low profile LED Driver and 2 to 6 LED modules¹⁾
- High colour rendering index CRI > 90
- Outstanding system colour tolerance
- High system efficiency up to 136 lm/W at tp = 45 °C
- Square LED modules with 1,250 lm
- Dimming range 3 – 100 % without change of colour temperature
- Long life-time of 50,000 h and 5-year system guarantee



Interfaces

- one4all (DALI DT8, DSI, switchDIM, corridorFUNCTION V2)
- colourSWITCH
- Push terminals for simple wiring

Functions

- Constant light output function (CLO)
- colourSWITCH with predefined colours
- switchDIM and colourSWITCH with memory function
- Power-up fading and fade to zero
- Configurable via DALI
- Protective features (overtemperature, short-circuit, overload, no-load, reduced surge amplification)
- Suitable for emergency lighting acc. to EN 50172
- Typical applications
- For area lighting in office applications
- Tunable White application

→ For product data sheet go to www.tridonic.com, or available on request

Ordering data

Type	Article number	System components
QLE G2 270x270mm 2x1250lm 927-965 LV PRE	89602940	LCA 50W PRE + 2 LED modules at 1,250 lm
QLE G2 270x270mm 3x1250lm 927-965 LV PRE	89602941	LCA 50W PRE + 3 LED modules at 1,250 lm
QLE G2 270x270mm 4x1250lm 927-965 LV PRE	89602942	LCA 50W PRE + 4 LED modules at 1,250 lm
QLE G2 270x270mm 5x1250lm 927-965 LV PRE	89602943	LCA 100W PRE + 5 LED modules at 1,250 lm
QLE G2 270x270mm 6x1250lm 927-965 LV PRE	89602944	LCA 100W PRE + 6 LED modules at 1,250 lm



Technical data Module QLE G2 PREMIUM, [page 680](#)

Product description Module QLE G2 PREMIUM [see data sheet](#)

Technical data Driver LCA 50/100W DT8, [page 681-682](#)

Product description Driver LCA 50/100W DT8 [see data sheet](#)

Accessories, [page 683](#)

Specific technical data

Type	Typ. luminous flux at tp = 25 °C ²⁾	Typ. luminous flux at tp = 45 °C ²⁾	Typ. power consumption at tp = 45 °C ³⁾	Efficacy of the system at tp = 25 °C	Efficacy of the system at tp = 45 °C	Colour rendering index CRI, 2,700 – 6,500 K	Energy classification
LLE G2 24x280mm 3x700lm 927-965 LV PRE	2,570 lm	2,500 lm	19.8 W	129 lm/W	129 lm/W	> 90	A+
LLE G2 24x280mm 4x700lm 927-965 LV PRE	3,860 lm	3,750 lm	28.4 W	135 lm/W	135 lm/W	> 90	A+
LLE G2 24x280mm 5x700lm 927-965 LV PRE	5,140 lm	5,000 lm	36.9 W	139 lm/W	139 lm/W	> 90	A+
LLE G2 24x280mm 5x1500lm 927-965 LV PRE	6,430 lm	6,250 lm	46.5 W	138 lm/W	138 lm/W	> 90	A+
LLE G2 24x280mm 6x1500lm 927-965 LV PRE	7,710 lm	7,500 lm	55.1 W	139 lm/W	139 lm/W	> 90	A+

¹⁾ Mixing of components from different sets is not allowed due to the pre-calibration of the system.

²⁾ Tolerance range for optical data over the CCT range: ±5 %.

³⁾ Tolerance range for electrical data: ±5 %.



Module QLE G2 PREMIUM system

Engine QLE PREMIUM

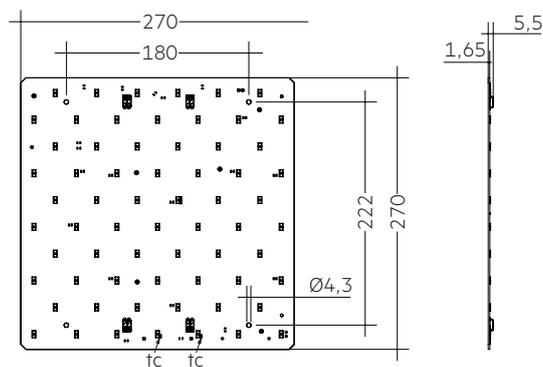
Technical data

Beam characteristic	120°
Ambient temperature range	-25 ... +55 °C
tp rated	45 °C
tc	85 °C
Irated	225 mA
I _{max}	825 mA
Max. permissible LF current ripple	910 mA
Max. permissible peak current	1,200 mA / max. 10 ms
Max. working voltage for insulation SELV ²⁾ ³⁾	60 V
Insulation test voltage	0.5 kV
CTI of the printed circuit board	≤ 600
ESD classification	Severity level 1
Risk group (EN 62471:2008)	RG0
Classification acc. to IEC 62031	Built-in
Type of protection	IP00



For standards see data sheet

For colour temperatures and tolerances see data sheet



Specific technical data

Type	Channel	Photo-metric code	Typ. luminous flux at tp = 25 °C ²⁾	Typ. luminous flux at tp = 45 °C ¹⁾	Typ. forward current ¹⁾	Min. forward voltage at tp = 45 °C ²⁾	Max. forward voltage at tp = 25 °C ²⁾	Typ. power consumption at tp = 45 °C ²⁾	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 45 °C	Colour rendering index CRI
TW QLE G2 270x270mm 1250lm 927-965 PRE	WW	927/3x9	1,290 lm	1,250 lm	225 mA	34.9 V	37.9 V	8.1 W	157 lm/W	154 lm/W	90
	CW	965/3x9	1,400 lm	1,360 lm	225 mA	34.9 V	37.9 V	8.1 W	169 lm/W	167 lm/W	90

¹⁾ Tolerance range for optical data over the CCT range: ±5 %.

²⁾ Tolerance range for electrical data: ±5 %.

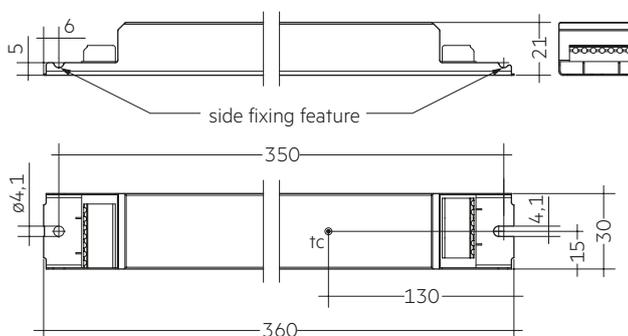
³⁾ Mounted with non-conductive element like ACL CLIP 4.3mm.

IP20 SELV      RoHS

Driver LCA 50W 350–1050mA DT8 Ip PRE system
Engine QLE PREMIUM

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	105 – 252 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	47 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 500 µA
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	89 %
λ (at 230 V, 50 Hz, full load) ¹⁾	> 0.97
Typ. power input on stand-by ³⁾	< 0.25 W
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	0.5 W
In-rush current (peak / duration)	29 A / 180 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 10 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ^{1) 4)}	± 3 %
Max. output current peak (non-repetitive)	≤ output current + 20 %
Output LF current ripple (< 120 Hz)	± 4 %
Max. output voltage (no-load voltage)	60 V
Dimming range	3 – 100 %
Colour tuning range	2,700 – 6,500 K
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	360 x 30 x 21 mm



Specific technical data

Type	Output current ^{4) 5)}	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature t _c	Ambient temperature t _a max.	I-select 2 resistor value ⁴⁾
LCA 50W 350-1050mA DT8 Ip PRE	350 mA	20 V	50.0 V	17.5 W	211 W	105 mA	75 °C	-25 ... +55 °C	open
	400 mA	20 V	50.0 V	20.0 W	239 W	116 mA	75 °C	-25 ... +55 °C	12.50 kΩ
	450 mA	20 V	50.0 V	22.5 W	26.4 W	126 mA	75 °C	-25 ... +55 °C	11.11 kΩ
	500 mA	20 V	50.0 V	25.0 W	29.1 W	137 mA	75 °C	-25 ... +55 °C	10.00 kΩ
	550 mA	20 V	50.0 V	27.5 W	31.8 W	148 mA	75 °C	-25 ... +55 °C	9.09 kΩ
	600 mA	20 V	50.0 V	30.0 W	34.4 W	159 mA	75 °C	-25 ... +55 °C	8.33 kΩ
	650 mA	20 V	50.0 V	32.5 W	37.1 W	170 mA	75 °C	-25 ... +55 °C	7.69 kΩ
	700 mA	20 V	50.0 V	35.0 W	39.7 W	182 mA	75 °C	-25 ... +50 °C	7.14 kΩ
	750 mA	20 V	50.0 V	37.5 W	42.2 W	193 mA	75 °C	-25 ... +50 °C	6.67 kΩ
	800 mA	20 V	50.0 V	40.0 W	45.2 W	204 mA	75 °C	-25 ... +50 °C	6.25 kΩ
	850 mA	20 V	50.0 V	42.5 W	47.9 W	216 mA	75 °C	-25 ... +50 °C	5.88 kΩ
	900 mA	20 V	50.0 V	45.0 W	50.5 W	227 mA	75 °C	-25 ... +50 °C	5.56 kΩ
	950 mA	20 V	50.0 V	47.5 W	53.4 W	239 mA	75 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	20 V	50.0 V	50.0 W	56.1 W	251 mA	75 °C	-25 ... +50 °C	5.00 kΩ
	1,050 mA	20 V	47.6 V	50.0 W	56.3 W	252 mA	75 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

⁵⁾ Not compatible with I-select (generation 1).

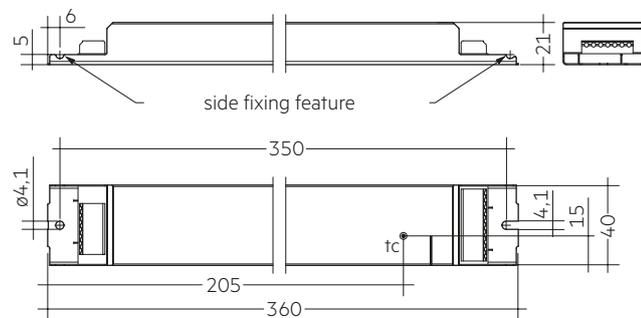
⁶⁾ Output current is mean value.

IP20 SELV     

Driver LCA 100W 350–1050mA 2xDT8 Ip PRE system
Engine QLE PREMIUM

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 288 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{1) 2)}	185 – 488 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ²⁾	87 mA
Leakage current (at 230 V, 50 Hz, full load) ^{1) 2)}	< 500 µA
Typ. efficiency (at 230 V / 50 Hz / full load) ²⁾	90 %
λ (at 230 V, 50 Hz, full load) ¹⁾	> 0.98
Typ. power input on stand-by ³⁾	< 0.25 W
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	< 0.5 W
In-rush current (peak / duration)	39 A / 286 µs
THD (at 230 V, 50 Hz, full load) ¹⁾	< 6 %
Starting time (at 230 V, 50 Hz, full load) ¹⁾	< 0.6 s
Starting time (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ^{1) 4)}	± 3 %
Max. output current peak (non-repetitive)	≤ output current + 20 %
Output LF current ripple (< 120 Hz)	± 4 %
Max. output voltage (no-load voltage)	60 V
Dimming range	3 – 100 %
Colour tuning range	2,700 – 6,500 K
Mains surge capability (between L – N)	1 kV
Mains surge capability (between L/N – PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	360 x 40 x 21 mm



Specific technical data

Type	Output current for each channel ^{4) 4)}	Min. forward voltage per channel	Max. forward voltage per channel	Max. output power per channel	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.	I-select 2 resistor value ⁴⁾
LCA 100W 350-1050mA 2xDT8 Ip PRE	350 mA	20 V	50.0 V	17.5 W	40.7 W	185 mA	80 °C	-25 ... +60 °C	open
	400 mA	20 V	50.0 V	20.0 W	46.0 W	207 mA	80 °C	-25 ... +60 °C	12.50 kΩ
	450 mA	20 V	50.0 V	22.5 W	51.7 W	232 mA	80 °C	-25 ... +60 °C	11.11 kΩ
	500 mA	20 V	50.0 V	25.0 W	57.1 W	255 mA	80 °C	-25 ... +60 °C	10.00 kΩ
	550 mA	20 V	50.0 V	27.5 W	62.5 W	278 mA	80 °C	-25 ... +60 °C	9.09 kΩ
	600 mA	20 V	50.0 V	30.0 W	67.8 W	300 mA	80 °C	-25 ... +60 °C	8.33 kΩ
	650 mA	20 V	50.0 V	32.5 W	73.0 W	323 mA	80 °C	-25 ... +60 °C	7.69 kΩ
	700 mA	20 V	50.0 V	35.0 W	78.4 W	346 mA	80 °C	-25 ... +55 °C	7.14 kΩ
	750 mA	20 V	50.0 V	37.5 W	83.9 W	370 mA	80 °C	-25 ... +55 °C	6.67 kΩ
	800 mA	20 V	50.0 V	40.0 W	89.4 W	393 mA	80 °C	-25 ... +55 °C	6.25 kΩ
	850 mA	20 V	50.0 V	42.5 W	94.8 W	417 mA	80 °C	-25 ... +55 °C	5.88 kΩ
	900 mA	20 V	50.0 V	45.0 W	100.6 W	441 mA	80 °C	-25 ... +50 °C	5.56 kΩ
	950 mA	20 V	50.0 V	47.5 W	105.8 W	464 mA	80 °C	-25 ... +50 °C	5.26 kΩ
	1,000 mA	20 V	50.0 V	50.0 W	111.5 W	488 mA	80 °C	-25 ... +50 °C	5.00 kΩ
	1,050 mA	20 V	47.6 V	50.0 W	111.4 W	488 mA	80 °C	-25 ... +50 °C	short circuit (0 Ω)

¹⁾ Valid at 100 % dimming level.

²⁾ Depending on the selected output current.

³⁾ Depending on the DALI traffic at the interface.

⁴⁾ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.

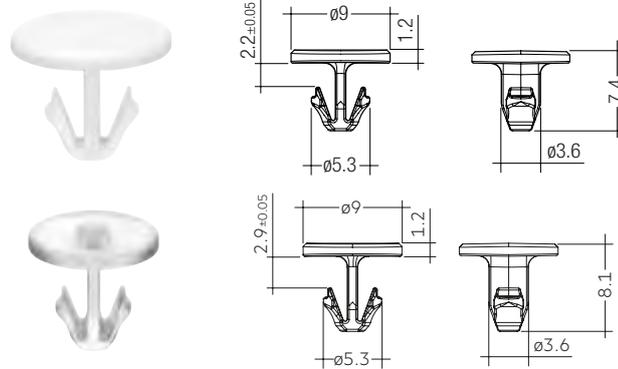
⁵⁾ Not compatible with I-select (generation 1).

⁶⁾ Output current is mean value.

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

¹⁾ Minimum sales quantity 500 pcs.

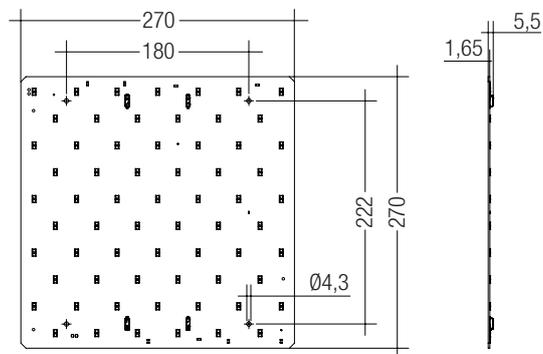


Module QLE PREMIUM

Module QLE PREMIUM

Product description

- Square Tunable White LED module with 2,700 and 6,500 K SMT packages
 - High module efficacy up to 157 lm/W at $t_p = 45^\circ\text{C}$
 - High colour rendering index CRI > 80
 - Small colour tolerance (MacAdam 3)
 - Excellent thermal management¹⁾
 - Ideal for panel lights
 - Long life-time: 50,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Beam angle	120°
Ambient temperature range ¹⁾	-25 ... +55 °C
t_p rated	45 °C
t_c	85 °C
Max. DC forward current ²⁾	300 mA
Max. permissible LF current ripple	750 mA
Max. permissible peak current	1,200 mA / max. 10 ms
Max. permissible output voltage of LED Driver ³⁾	500 V
Insulation test voltage	2 kV
ESD classification	Severity level 4
Risk group (EN 62471:2008)	1
Type of protection	IP00



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Photometric code	Colour temperature	Forward current ⁴⁾	Typ. luminous flux at $t_p = 25^\circ\text{C}$	Typ. luminous flux at $t_p = 45^\circ\text{C}$	Power consumption at $t_p = 45^\circ\text{C}$ ⁵⁾	Min. forward voltage at $t_p = 45^\circ\text{C}$	Max. forward voltage at $t_p = 25^\circ\text{C}$	Luminous efficacy module at $t_p = 25^\circ\text{C}$	Luminous efficacy module at $t_p = 45^\circ\text{C}$	Colour rendering index CRI ⁶⁾
TW QLE G1 270mm 1250lm 827-865 PRE	827/349 – 865/349	2,700 K	250 mA	1,330 lm	1,290 lm	9.1 W	35.1 V	38.2 V	143 lm/W	142 lm/W	> 80
TW QLE G1 270mm 1250lm 827-865 PRE	827/349 – 865/349	6,500 K	250 mA	1,460 lm	1,430 lm	9.1 W	35.1 V	38.2 V	157 lm/W	156 lm/W	> 80

¹⁾ If the max. temperature limits are exceeded, the life of the system will be greatly reduced or the system may be damaged.

The temperature of the LED module at the t_c -point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the t_c point see the above diagram.

²⁾ Max. DC forward current varies over the temperature of the LED module. See derating curves.

³⁾ If mounted with M3 screws and plastic washers.

⁴⁾ The LED modules are not designed to operate both channels with the max. current of 250 mA! The current split has to be dimensioned to fulfil the thermal requirements and to reach a typ. luminous flux for the LED module.

⁵⁾ Tolerance range for electrical data: ±5 %.

⁶⁾ Colour temperature and CRI according to CIE 1931.

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
TW QLE G1 270mm 1250lm 827-865 PRE	89600648	2,700 / 6,500 K	14 pc(s).	0.221 kg

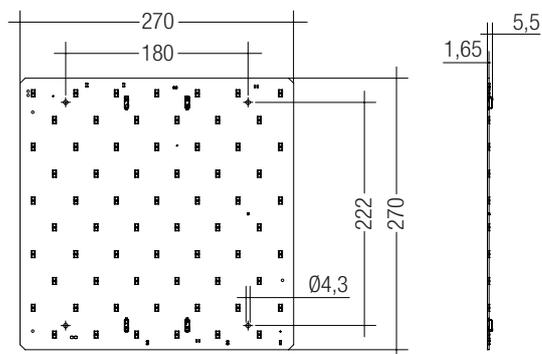


Module QLE PREMIUM CRI90

Module QLE PREMIUM

Product description

- Square Tunable White LED module with 2,700 and 6,500 K SMT packages
 - High module efficacy up to 150 lm/W at $t_p = 45\text{ °C}$
 - High colour rendering index CRI > 90
 - Small colour tolerance MacAdam 3
 - Excellent thermal management
 - Ideal for panel lights
 - Long life-time: 50,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com,
or available on request



Technical data

Beam characteristic	120°
Ambient temperature range	-25 ... +55 °C
t_p rated	45 °C
t_c	85 °C
I_{rated}	250 mA
I_{max}	750 mA
Max. DC forward current	825 mA
Max. permissible LF current ripple	900 mA
Max. permissible peak current	1,200 mA / max. 10 ms
Max. working voltage for insulation ^{2) 4)}	500 V
Insulation test voltage	2 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (EN 62471:2008)	0
Classification acc. to IEC 62031	Built-in
Type of protection	IPO0

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
QLE 270mm 1250lm 927-965 PRE	89602740	2,700 – 6,500 K	14 pc(s).	0.217 kg



For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Channel	Photo-metric code	Typ. forward current	Typ. luminous flux at $t_p = 25\text{ °C}$ ¹⁾	Typ. luminous flux at $t_p = 45\text{ °C}$ ¹⁾	Min. forward voltage at $t_p = 45\text{ °C}$ ²⁾	Max. forward voltage at $t_p = 25\text{ °C}$ ²⁾	Typ. power consumption at $t_p = 45\text{ °C}$ ²⁾	Efficacy of the module at $t_p = 25\text{ °C}$	Efficacy of the module at $t_p = 45\text{ °C}$	Colour rendering index CRI ³⁾
QLE 270mm 1250lm 927-965 PRE	WW	827/349	250 mA	1,270 lm	1,240 lm	33.9 V	38.2 V	9 W	139 lm/W	137 lm/W	90
QLE 270mm 1250lm 927-965 PRE	KW	865/349	250 mA	1,380 lm	1,350 lm	33.9 V	38.2 V	9 W	152 lm/W	150 lm/W	90

¹⁾ Tolerance range for optical data over the CCT range: ±5 %.

²⁾ Tolerance range for electrical data: ±5 %.

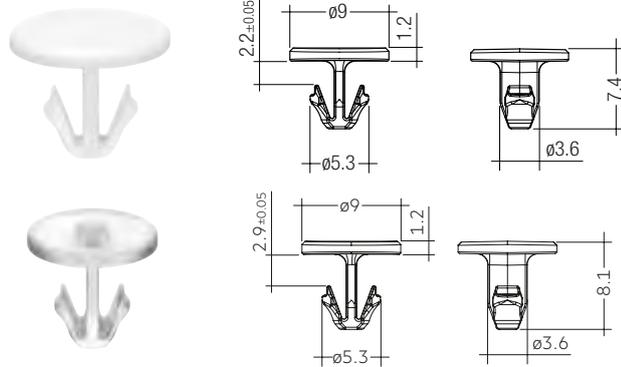
³⁾ CRI according to CIE 1931.

⁴⁾ Mounted with non-conductive element like ACL CLIP 4.3mm.

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

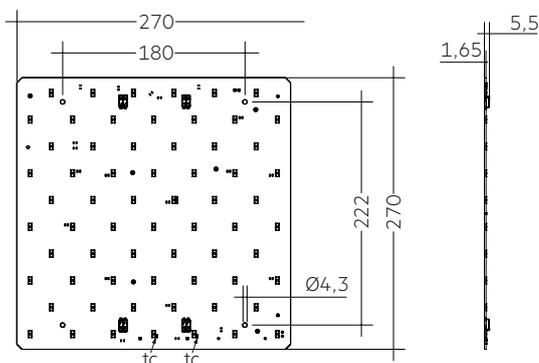
Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

¹⁾ Minimum sales quantity 500 pcs.



Module QLE G2 PREMIUM

Module QLE PREMIUM



Product description

- Square Tunable White LED module with 2,700 and 6,500 K SMT packages
 - Ideal for linear and panel luminaires
 - Optimal solution for Tunable White applications together with LCA PRE DT8 or 2 channel low profile LED Drivers
 - Typ. luminous flux of 1,250 lm
 - Efficacy of the module up to 168 lm/W at $t_p = 45^\circ\text{C}$
 - High colour rendering index CRI > 90
 - Small colour tolerance MacAdam 3
 - Small luminous flux tolerances
 - SELV module – the single module has a forward voltage < 60 V
 - Module dimension of 270 x 270 mm (ZHAGA compliant)
 - Push terminals for quick and simple wiring of LED module to LED module
 - Simple installation (e.g ACL push fix)
 - Excellent thermal management
 - Long life-time: 50,000 hours
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

For colour temperatures and tolerances see data sheet

Technical data

Beam characteristic	120°
Ambient temperature range	-25 ... +55 °C
t_p rated	45 °C
t_c	85 °C
I_{rated}	225 mA
I_{max}	825 mA
Max. permissible LF current ripple	910 mA
Max. permissible peak current	1,200 mA / max. 10 ms
Max. working voltage for insulation SELV ²⁾ ³⁾	60 V
Insulation test voltage	0.5 kV
CTI of the printed circuit board	≤ 600
ESD classification	Severity level 1
Risk group (EN 62471:2008)	RGO
Classification acc. to IEC 62031	Built-in
Type of protection	IPO0

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
TW QLE G2 270x270mm 1250lm 927-965 PRE	89602924	2,700 / 6,500 K	10 pc(s).	0.475 kg

Specific technical data

Type	Channel	Photo-metric code	Typ. luminous flux at $t_p = 25^\circ\text{C}$ ²⁾	Typ. luminous flux at $t_p = 45^\circ\text{C}$ ¹⁾	Typ. forward current ¹⁾	Min. forward voltage at $t_p = 45^\circ\text{C}$ ²⁾	Max. forward voltage at $t_p = 25^\circ\text{C}$ ²⁾	Typ. power consumption at $t_p = 45^\circ\text{C}$ ²⁾	Efficacy of the module at $t_p = 25^\circ\text{C}$	Efficacy of the module at $t_p = 45^\circ\text{C}$	Colour rendering index CRI
TW QLE G2 270x270mm 1250lm 927-965 PRE	WW	927/3x9	1,290 lm	1,250 lm	225 mA	34.9 V	379 V	8.1 W	157 lm/W	154 lm/W	90
	CW	965/3x9	1,400 lm	1,360 lm	225 mA	34.9 V	379 V	8.1 W	169 lm/W	167 lm/W	90

¹⁾ Tolerance range for optical data over the CCT range: ±5 %.

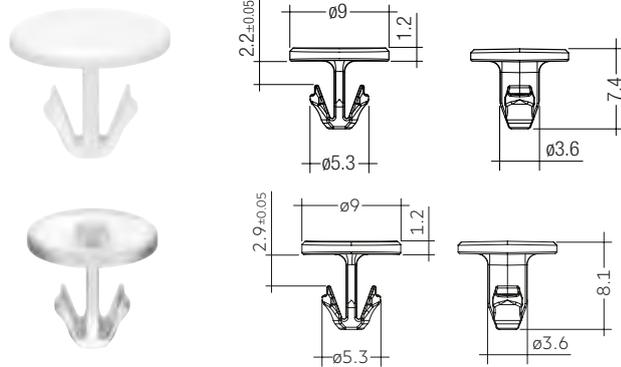
²⁾ Tolerance range for electrical data: ±5 %.

³⁾ Mounted with non-conductive element like ACL CLIP 4.3mm.

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm for PUSH-FIX and 1 – 2 mm for PUSH-FIX Long)
- For drilling hole 4 mm
- Clip made of polycarbonate



Ordering data

Type	Article number	Colour	Packaging, bag ¹⁾	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg
ACL CLIP 4.3mm PUSH-FIX Long	28002314	Transparent	500 pc(s).	0.001 kg

¹⁾ Minimum sales quantity 500 pcs.

Engine CLE PREMIUM system

Engine CLE PREMIUM

Product description

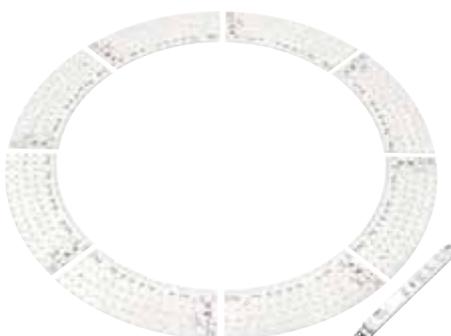
- Ideal for round shaped ceiling and pendant luminaires
 - Circular Tunable White system with adjustable colour temperature from 3,000 to 6,000 K at constant luminous flux
 - Precalibrated set to ensure premium light quality and colour consistency, consisting of LED Driver and 4 or 8 LED modules¹⁾
 - Outstanding system colour tolerance (MacAdam 3) over the full operating area
 - Dimming range 10 – 100 % without change of colour temperature
 - High system efficiency up to 166 lm/W at $t_p = 45\text{ °C}$
 - Low profile LED Driver with digital interface (DALI Device Type 8, DSI, switchDIM, colourTEMPERATURE)
 - Self cooling (no additional heat sink required)
 - Long life-time of 50,000 h and 5-year system guarantee
- For product data sheet go to www.tridonic.com, or available on request



TW CLE G1 261mm 4x1150lm 830-860 PRE KIT



TW CLE G1 401mm 4x2450lm 830-860 PRE KIT



TW CLE G1 541mm 8x900lm 830-860 PRE KIT



Technical data Module CLE PREMIUM, [page 690](#)

Product description Module QLE PREMIUM see data sheet

Technical data Driver LCAI TW Ip, [page 691](#)

Product description Driver LCAI TW Ip see data sheet

Ordering data

Type	Article number	Colour temperature
TW CLE G1 261mm 4x1150lm 830-860 PRE KIT	89602612	1 LED Driver + 4 LED modules at 1,150 lm
TW CLE G1 401mm 4x2450lm 830-860 PRE KIT	89602613	1 LED Driver + 4 LED modules at 2,450 lm
TW CLE G1 541mm 8x900lm 830-860 PRE KIT	89602614	1 LED Driver + 8 LED modules at 900 lm

Specific technical data

Type	Photometric code	Typ. forward current ³⁾	Typ. luminous flux at $t_p = 25\text{ °C}$ ²⁾	Typ. luminous flux at $t_p = 45\text{ °C}$ ²⁾	Typ. power consumption at $t_p = 45\text{ °C}$ ³⁾	Efficacy of the system at $t_p = 25\text{ °C}$	Efficacy of the system at $t_p = 45\text{ °C}$	Colour rendering index CRI, 3,000 – 6,000 K ⁴⁾	Energy classification
TW CLE G1 261mm 4x1150lm 830-860 PRE	830/349 – 860/349	125 mA	4,770 lm	4,650 lm	28.4 W	161 lm/W	160 lm/W	> 80	A++
TW CLE G1 401mm 4x2450lm 830-860 PRE	830/349 – 860/349	250 mA	9,860 lm	9,610 lm	58.0 W	163 lm/W	162 lm/W	> 80	A++
TW CLE G1 541mm 8x900lm 830-860 PRE	830/349 – 860/349	250 mA	7,600 lm	7,410 lm	43.5 W	167 lm/W	166 lm/W	> 80	A++

¹⁾ Mixing of components from different sets is not allowed due to the pre-calibration of the system.

²⁾ Tolerance range for optical data over the CCT range: $\pm 5\%$.

³⁾ Tolerance range for electrical data: $\pm 5\%$.

⁴⁾ Colour temperature and CRI according to CIE 1931.

IP20 

Driver LCAI TW Ip
Engine CLE PREMIUM

Product description

- LED Driver for CLE PREMIUM modules
- Output power: 38 or 75 W
- Power input on stand-by < 0.3 W

Properties

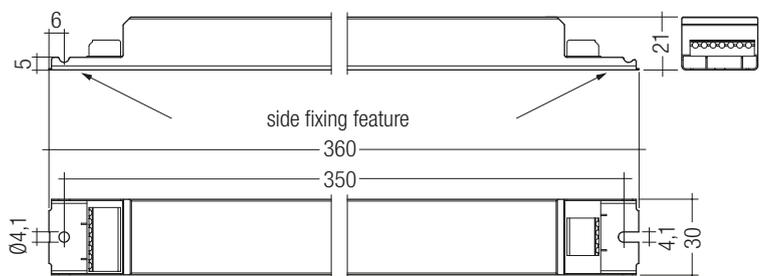
- Low profile LED Driver with digital interface (DALI Device Type 8, DSI, switchDIM, colourTEMPERATURE)
 - switchDIM and colourTEMPERATURE with memory function¹⁾²⁾
 - Powerless switching via digital interface (no need for switching via mains)
 - Intelligent Temperature Guard (protection against thermal damage)
 - Short-circuit shutdown feature with one restart (after 0.5 s)
 - Overload protection with one restart (after 0.5 s)
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
Input voltage range, AC	198 – 264 V
Input voltage range, DC	176 – 280 V
Rated current (at 230 V 50 Hz) for 38 W	0.18 A
Rated current (at 230 V 50 Hz) for 75 W	0.35 A
Mains frequency	0 / 50 / 60 Hz
Efficiency for 38 W	90 %
Efficiency for 75 W	93 %
λ (at 230 V 50 Hz, full load)	0.96
Control input ¹⁾²⁾	DSI, DALI, switchDIM, colourTEMPERATURE
Stand-by power	< 0.3 W
Max. output voltage (no-load voltage)	270 V
Dimming range	10 – 100 %
PWM frequency	200 – 500 Hz
Starting time (at 230 V 50 Hz)	< 0.5 s
Switchover time AC/DC and DC/AC	< 1 s
Leakage current (PE)	150 μ A
t_a operating (at life-time 50,000 h) for 38 W	-25 ... +60 °C
t_a operating (at life-time 50,000 h) for 75 W	-25 ... +55 °C
Max. casing temperature t_c (at life-time 50,000 h) for 38 W	70 °C
Max. casing temperature t_c (at life-time 50,000 h) for 75 W	75 °C

¹⁾ In DC operation the last set colour is used.

²⁾ No colourTEMPERATURE mode at DC operation.



Product overview



EM converterLED BASIC

Lamp types: LED

Emergency lighting LED Driver for manual testing

- Low profile casing (21 x 30 mm cross-section)
- 1 or 3 h rated duration
- Compatible with dimmable and non-dimmable constant current LED Driver
- NiCd, NiMH or LiFePO₄ batteries



**EM powerLED BASIC
FX 50 W C/SR**

Lamp types: LED

Combined emergency lighting LED Driver for manual testing

- Compact plastic casing (SR version with strain relief)
- 1 or 3 h rated duration selectable with plug (duration link)
- For LED modules with a forward voltage of 15 – 50 V
- SELV for output voltage < 60 V DC
- NiCd or NiMH batteries



**EM converterLED
SELFTEST**

Lamp types: LED

Emergency lighting LED Driver with self-test function

- Low profile casing (21 x 30 mm cross-section)
- 1, 2 or 3 h rated duration
- Compatible with dimmable and non-dimmable constant current LED Driver
- NiCd or NiMH batteries



**EM powerLED SELFTEST
FX 45 W C/SR**

Lamp types: LED

**Combined emergency lighting LED Driver
with automatic self-test functionality**

- Compact plastic casing (SR version with strain relief)
- 1, 2, or 3 h rated duration
- For LED modules with a forward voltage of 20 – 50 V
- SELV for output voltage < 60 V DC
- NiCd or NiMH batteries



EM converterLED PRO

Lamp types: LED

**Emergency lighting LED Driver with DALI interface
and automatic test function**

- Low profile casing (21 x 30 mm cross-section)
- 1, 2 or 3 h rated duration
- Compatible with dimmable and non-dimmable constant current LED Driver
- NiCd or NiMH batteries



**EM powerLED PRO
DIM 45 W C/SR**

Lamp types: LED

**Combined, dimmable emergency lighting LED Driver
with DALI interface and automatic test function**

- Compact plastic casing (SR version with strain relief)
- 1, 2, or 3 h rated duration
- For LED modules with a forward voltage of 20 – 50 V
- SELV for output voltage < 60 V DC
- NiCd or NiMH batteries

Product overview



**EM powerLED
BASIC 1 – 4 W**

Lamp types: LED



**EM powerLED
BASIC FX 80 W**

Lamp types: LED

Emergency lighting LED Driver for manual testing

- Low profile casing (21 x 30 mm cross-section)
- 1, 2 or 3 h rated operating time
- 1, 2 or 4 W version
- SELV classified (outputs powerLED, battery, status LED, test switch)
- NiMH batteries

LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF) and emergency lighting for manual testing

- Constant current LED Driver with 150 – 500 mA (80 W version) or 300 – 1,400 mA (50 W version) output current in mains operation
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- 1 or 3 h rated duration selectable with plug (duration link)
- NiCd or NiMH batteries



**EM powerLED
SELFTEST 1 – 4 W**

Lamp types: LED



**EM powerLED
BASIC CLE**

Lamp types: LED

Emergency lighting LED Driver with self-test function

- Low profile casing (21 x 30 mm cross-section)
- 1, 2 or 3 h rated duration
- 1, 2 or 4 W version
- Tests: battery, lamp, charge status
- SELV classified (outputs powerLED, battery status LED, test switch)
- NiMH batteries

LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF) and emergency lighting

- Constant current LED Driver with 350, 470 mA output current
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- Integrated 1 W LED Driver for stand-by operation
- 3 h rated duration selectable with plug (duration link)
- NiCd or NiMH batteries



**EM powerLED
PRO EZ-3 1 – 4 W**

Lamp types: LED

Emergency lighting LED Driver with DALI interface and automatic test function

- DALI switchable in mains operation (on/off)
- 1, 2 or 3 h rated operating time
- 1, 2 or 4 W version
- Tests: battery, lamp, charge status
- SELV classified (outputs powerLED, battery, status LED, test switch)
- NiMH batteries

Product overview



EM ready2apply

LED emergency module suitable for direct installation in ceilings

- BASIC, SELFTTEST, PRO version available
- Complete set with integrated electronics, LED module, heat sink, optics and battery
- Includes click-in multi-lens option for anti-panic, escape route and spot illumination
- Small size ceiling hole, 40 – 43 mm diameter, 80 mm height



Module EM-ER

LED emergency lighting module

- For escape route lighting
- Small dimensions
- Long life thanks to integrated heat removal
- Integrated two-colour status LED



Module EM-ES 08/10/12 Mk2



Module EM-AP

LED emergency lighting module

- For anti-panic emergency lighting
- Small dimensions
- Long life thanks to integrated heat removal
- Integrated two-colour status LED

Lighting module with 8, 10 or 12 LEDs (emergency lighting strip)

- For use in escape route signs
- For permanent and stand-by operation
- Replacement for 8 W T5 linear lamps
- Low energy consumption
- Long life for maintenance-free escape sign system



DALI x/e-touchPANEL 02

Emergency lighting control system for 120 DALI emergency lighting LED Driver

- 2 DALI circuits for 60 emergency lighting LED Driver each
- Calendar-controlled function and service life test
- User-friendly application software
- Simple downloading of the test report to a PC via Ethernet
- Panels can be connected together to create large installations
- Can be remote-controlled via web browser or em-LINK software



connecDIM
Ethernet TCP/IP to DALI

The innovative lighting management solution connecDIM provides an excellent platform for smart, cost-effective and user-friendly control and lighting management.

- Commissioning via tablet or smartphones
- Unlimited number of gateways in the system. With one gateway, up to 4 DALI lines can be controlled
- DALI device addressing, testing of each DALI device
- Group and scene settings
- Control light according to your individual needs

For further details see „[connecDIM Gateway G1](#)“, chapter „luxCONTROL lighting control system“

Product overview



NiCd accus
1.6 – 4.5 Ah

High-temperature NiCd batteries for use with emergency lighting LED Driver

- Constant high-temperature operation – depending on the emergency lighting unit used (refer to respective emergency control gear data sheet)
- 4-year life operating at maximum temperature
- In various configurations
- High-quality European manufacturer
- Suitable for emergency lighting equipment as per IEC 60598-2-22



NiMH accus 2.2 / 4.0 Ah

High-temperature NiMH batteries for use with emergency lighting LED Driver

- Eco-friendly because there is no cadmium
- Low profile
- 4-year life operating at maximum temperature
- High-quality European manufacturer
- Suitable for emergency lighting equipment as per IEC 60598-2-22



NiCd battery pack
1.6 – 4.5 Ah

High-temperature NiCd battery pack for use with emergency lighting LED Driver

- 4-year life operating at maximum temperature
- Polycarbonate casing material
- 1.0 m integrated double-insulated cable
- High-quality European manufacturer
- Suitable for emergency lighting equipment as per IEC 60598-2-22



NiMH battery pack
2.2 – 4.0 Ah

High-temperature NiMH battery pack for use with emergency lighting units

- 4-year life operating at maximum temperature
- Polycarbonate casing material
- Good charging properties at high temperature
- Certified quality manufacturer
- Suitable for emergency lighting equipment as per IEC 60598-2-22



Lithium Iron Phosphate battery pack
1.5 – 3.0 Ah

Lithium Iron Phosphate replacement battery pack for use with EM ready2apply emergency lighting units

- 8-year design life (at up to 30 °C ambient temperature)
- Casing material made of polycarbonate
- Charge efficiency > 90 %
- Certified quality manufacturer
- Suitable for emergency lighting equipment as per IEC 60598-2-22

Standards

Series	Type	acc. to EN 50172	acc. to EN 60598-2-22	EN 61347-2-3	EN 61347-2-7	EN 61347-2-13	EN 60929	EN 62384	EN 62471	EN 62031	EN 62034	EN 55015	EN 55022	EN 61000-3-2	EN 61000-3-3	EN 61547	EN 61000-6-2	IEC 62386-102	IEC 62386-202	
EM converterLED	EM converterLED BASIC NiCd/NiMH 50 V	•	•		•	•		•				•		•	•	•				
	EM converterLED BASIC MH/LiFePO4 50 V	•	•		•	•		•				•		•	•	•				
	EM converterLED ST 50 V	•	•		•	•		•			•	•		•	•	•				
	EM converterLED PRO 50 V	•	•		•	•		•			•	•		•	•	•		•	•	
	EM converterLED BASIC NiCd/NiMH 90 V	•	•		•	•		•				•		•	•	•				
	EM converterLED BASIC MH/LiFePO4 90 V	•	•		•	•		•				•		•	•	•				
	EM converterLED ST 90 V	•	•		•	•		•			•	•		•	•	•				
	EM converterLED PRO 90 V	•	•		•	•		•			•	•		•	•	•		•	•	
	EM converterLED BASIC NiCd/NiMH 200 V	•	•		•	•		•				•		•	•	•				
	EM converterLED BASIC MH/LiFePO4 200 V	•	•		•	•		•				•		•	•	•				
	EM converterLED ST 200 V	•	•		•	•		•			•	•		•	•	•				
	EM converterLED PRO 200 V	•	•		•	•		•			•	•		•	•	•		•	•	
EM powerLED	EM powerLED BASIC 1 – 2 W	•	•		•	•		•				•		•	•	•				
	EM powerLED SELFTEST 1 – 2 W	•	•		•	•		•			•	•		•	•	•				
	EM powerLED PRO EZ-3 1 – 2 W	•	•		•	•		•			•	•		•	•	•		•	•	
	EM powerLED NM BASIC 1 W	•	•		•	•		•				•		•	•	•				
	EM powerLED BASIC 4 W	•	•		•	•		•				•		•	•	•				
	EM powerLED SELFTEST 4 W	•	•		•	•		•			•	•		•	•	•				
	EM powerLED PRO EZ-3 4 W	•	•		•	•		•			•	•		•	•	•		•	•	
	EM powerLED BASIC FX 80 W	•	•		•	•		•				•		•	•	•				
	EM powerLED BASIC FX C/SR 50 W	•	•		•	•		•				•		•	•	•				
	EM powerLED SELFTEST FX C/SR 45 W	•	•		•	•		•			•	•		•	•	•				
	EM powerLED PRO DIM C/SR 45 W	•	•		•	•		•			•	•		•	•	•		•	•	
	EM powerLED BASIC 15 W CLE	•	•		•	•		•				•		•	•	•				
	EM powerLED BASIC CPS FX 80 W	•	•		•	•		•				•		•	•	•				
	EM powerLED CPS FX C/SR 50 W	•	•		•	•		•				•		•	•	•				
	EM powerLED 15 W CLE CPS	•	•		•	•		•				•		•	•	•				
	EM ready2apply	EM ready2apply BASIC 1 – 2 W	•	•		•	•		•	•	•			•	•	•				
		EM ready2apply SELFTEST 2 W	•	•		•	•		•	•	•			•	•	•				
EM ready2apply PRO 2 W		•	•		•	•		•	•	•			•	•	•					
EM-LED light sources	Module EM-AP								•	•										
	Module EM-ER								•	•										
	Module EM-ES 08/10/12 Mk2								•	•										
EM Controls	DALI x/e-touchPANEL 02												•	•	•	•	•			
	connecDIM												•	•	•	•	•			
Batteries	NiCd accus		•																	
	NiMH accus		•																	
	LiFePO ₄ Battery pack 1.5 – 3.0 Ah		•																	



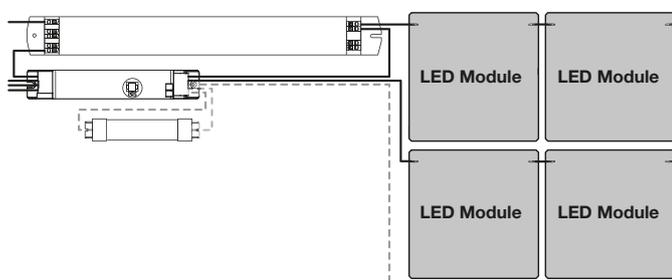
Emergency lighting LED Driver for all needs

Emergency lighting systems are compulsory in many official buildings and in many work places so that in the unlikely event of a power failure people can find their way around safely. Safety lights and escape route lights provide enough light to shut machinery down, use the escape routes and give quick access to fire extinguishers and other safety equipment. They prevent panic and save lives.

Tridonic offers a broad range of emergency lighting LED Driver for battery powered emergency lighting systems perfectly matched to the requirements of various country-specific standards – whatever the circumstances and whatever the types of lamp.

LED emergency lighting

Today LEDs are seen as standard technology and most widely used for emergency lighting systems and in general illumination applications. Tridonic's expertise and powers of innovation in developing future-proof solutions are playing a major role here.



In normal operation all the connected modules are operated by the mains powered LED Driver.

EM converterLED product family

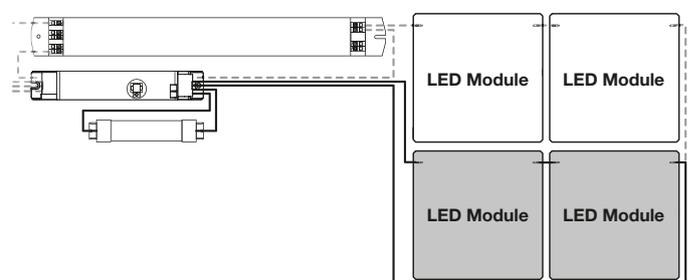
A switch to LED technology brings with it the need for suitable emergency lighting systems for luminaires. For its EM converterLED product family Tridonic has focused on the following:

► A lean and transparent product range for maximum flexibility

Thanks to power regulation in emergency mode, all the EM converterLED devices provide maximum light output within the required emergency mode period (1 or 3 hours).

In emergency lighting mode all the energy stored in the battery is used by the EM converterLED modules to produce emergency light. Power regulation allows for optimum flexibility for operating a large number of combinations of LED Driver and LED light modules.

EM converterLED detects the forward voltage of the LED module and automatically regulates the current in emergency lighting mode. This technology also enables the emergency light output to be scaled. If the emergency light value has to be increased the customer simply selects the next higher version with an additional battery cell. In other words, despite an extremely slim range of emergency lighting products power regulation offers maximum flexibility for a large number of combinations of LED Driver and LED light modules.



In emergency mode the LED modules connected to the EM converterLED are operated from the battery. The number of LED modules for emergency operation depends on the maximum forward voltage of the EM converterLED (50, 90 or 200 V). Normal and emergency modes are operated on separate circuits.

► Structure of the portfolio according to SELV classification

a) Maximum output voltage up to 60 V: This range is typically used for SELV applications and makes for simple luminaire design without additional protection technologies. It is typically used for spot modules which are operated at relatively high currents and where the forward voltage does not exceed a nominal value of 52 V.

b) Maximum output voltage up to 120 V: This range includes SELV applications which must not be touched. This voltage range relates to LED luminaires which are operated with a relatively high overall forward voltage. This product version covers heavily used areas and areas without daylight in which higher than normal light values are required.

c) Maximum output voltage up to 250 V: Linear or rectangular luminaires which are operated in non-SELV mode for the purposes of maximum LED efficiency can easily be equipped with EM converterLED 200 V to create an emergency lighting luminaire. Depending on the overall forward voltage of the LED modules, up to 6 or 7 LED panels connected in series can run simultaneously in emergency mode. This means that extremely uniform illumination can be achieved for emergency lighting.

► Emergency lighting function

in BASIC – SELFTEST – PRO DALI versions

Version EM converterLED BASIC: Offers basic emergency lighting functions. Tests based on national requirements for emergency lighting applications are performed manually; the test results must be documented.

Version EM converterLED SELFTEST: Has a decentralised self-test function in accordance with IEC 62034, the international standard for automatically tested emergency lighting. Typically the test results are displayed at the luminaire; the test results must be manually documented.

Version EM converterLED PRO: Has an automatic test function in accordance with national standards; the test procedures, test sequences and documentation of the test results are administered via a central DALI bus system.

► One casing shape for all product versions

A single casing with fixed length, width and height dimensions (179 x 30 x 21 mm) allows luminaire manufacturers to scale and expand their luminaire series with different emergency lighting functions: Manufacturers can offer the functions of BASIC, ST and PRO DALI without having to change the mechanical design or the spacing between the mounting holes on their luminaires.

Combined devices of the EM powerLED 1 – 4 W product family

The devices in the EM powerLED series are ideal for a wide range of emergency lighting applications in combination with LED modules.



EM powerLED is a combined solution for applications both in continuous operation and for emergency battery mode.

Combined Emergency Driver EM powerLED 45 W / 50 W

EM powerLED 45 W / 50 W combines both mains and local battery emergency driver in one compact housing. This concept provides reduced wiring efforts compared to separate interconnected mains and emergency drivers. At the same time the limited space inside luminaires is used in the most efficient way.

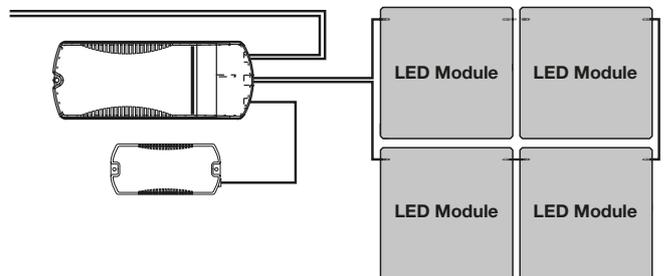
► **EM powerLED PRO DIM 45 W** provides full DALI functionality both for mains and emergency operations. It gives complete lighting control in the mains mode and enables central emergency system monitoring at the same time.

The concept of the mains driver follows the new LED PREMIUM driver platform and is therefore fully compatible with DALI multi device type systems.

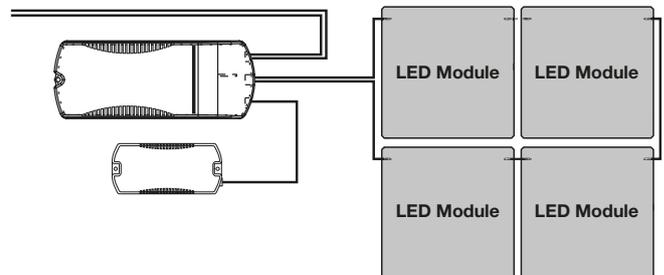
► **EM powerLED ST FX 45 W** combines a fixed output LED mains driver with implemented selftest emergency functionality and corridorFUNCTION.

► **EM powerLED BASIC FX 50 W** combines a fixed LED mains driver with integrated emergency functionality and simpleCORRIDOR function. The function and duration test is done manually.

Two housing concepts for different luminaires are offered:
A compact housing for inbuilt applications and a remote housing for independent driver luminaire concepts.



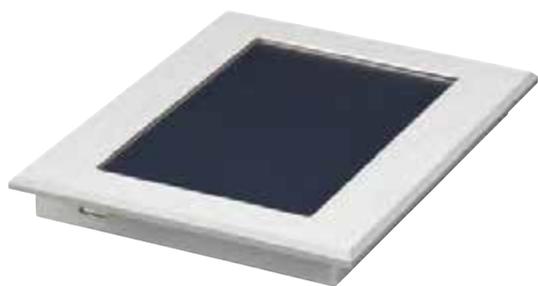
In normal operation all the connected modules are operated by the mains powered LED Driver.



In emergency mode all the connected modules are operated from the battery.

Combination of emergency lighting and DALI

The special feature of EM PRO units from Tridonic is that they can be operated with DALI emergency control systems or can be successfully integrated in DALI-based lighting systems. This means that the entire functionality of DALI systems can be accessed, including individual addressability.



Individually addressable emergency lighting LED Driver have a certain level of “intelligence”. In these cases, the fault reporting function provides more information than simply that the lamp, LED Driver or battery is faulty. Detailed information on say, the type of lamp or device status can be displayed either locally or centrally. This extensive functionality of EM PRO emergency lighting LED Driver, which also have the “capabilities” of the EM SELFTEST module, has benefits in terms of facility management, particularly for operating large lighting systems.

Standards and approval marks

Emergency lighting LED Driver from Tridonic are ENEC certified, carry the CE and RCM mark and meet all the European as well as international standards relating to safety, operation and electro-magnetic compatibility (EMC).

Technical information

The latest technical information is available on the internet at: www.tridonic.com, menu “Technical data”, submenu “Data sheets”

Personal enquiries

A form for personal enquiries is available on the internet at: www.tridonic.com, menu “Contact”, submenu “Contact form”



EM converterLED BASIC NiCd/NiMH 50 V

EM BASIC

Product description

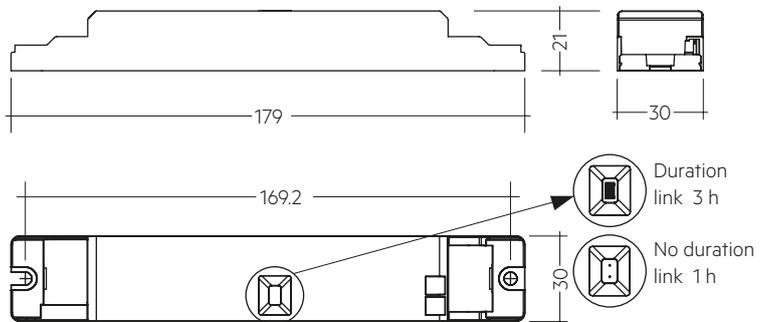
- Emergency lighting LED Driver for manual testing
- For LED modules with a forward voltage of 10 – 54 V
- SELV for output voltage < 60 V DC
- Low profile casing (21 x 30 mm cross-section)
- For luminaire installation
- 5-year guarantee

Properties

- Non maintained operation
- 1 or 3 h rated duration
- Operating time selectable with plug (duration link)
- Compatible with all dimmable and non-dimmable constant current LED Driver (see data sheet, LED Driver compatibility)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Electronic charge system
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Batteries

- High-temperature cells
 - NiCd or NiMH batteries
 - D, Cs or LA cells
 - 4-year design life
 - 1-year guarantee
 - For battery compatibility refer to datasheet
- For product data sheet go to www.tridonic.com, or available on request



Note: Supply of control gear with duration link in 3 hours position. Remove duration link for duration of 1 h. Duration link must be set before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz)	0.6C
Forward voltage range LED module	10 – 54 V
Output current	See data sheet
Starting time	< 0.25 s from detection of emergency event
Overvoltage protection	320 V (for 48 h)
U-OUT	60 V
Battery charging time ¹⁾	24 h
Ambient temperature ta	-5 ... +55 °C
Max. casing temperature tc	75 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20
Dimensions L x W x H	179 x 30 x 21 mm

Ordering data

Type ²⁾	Article number	Rated duration	No. of cells	Packaging carton	Packaging pallet	Weight per pc.
EM converterLED BASIC 202 NiCd/NiMH 50V	89800558	1/3 h	2	10 pc(s).	1,600 pc(s).	0.065 kg
EM converterLED BASIC 203 NiCd/NiMH 50V	89800559	1/3 h	3	10 pc(s).	1,600 pc(s).	0.065 kg
EM converterLED BASIC 204 NiCd/NiMH 50V	89800560	1/3 h	4	10 pc(s).	1,600 pc(s).	0.065 kg



Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet

Specific technical data

Type ²⁾	Rated duration	Typ. output power	Mains current in charging operation			Rated power in charging operation		
			Initial charge	Fast recharge	Trickle charge	Initial charge	Fast recharge	Trickle charge
EM converterLED BASIC 202 NiCd/NiMH 50V	1 h	1.5 W	16 mA	16 mA	14 mA	2.2 W	2.2 W	1.6 W
	3 h	1.5 W	20 mA	20 mA	15 mA	3.0 W	3.0 W	2.2 W
EM converterLED BASIC 203 NiCd/NiMH 50V	1 h	2.4 W	17 mA	17 mA	16 mA	2.3 W	2.3 W	1.7 W
	3 h	2.4 W	22 mA	22 mA	18 mA	3.4 W	3.4 W	2.3 W
EM converterLED BASIC 204 NiCd/NiMH 50V	1 h	3.5 W	19 mA	19 mA	15 mA	2.7 W	2.7 W	1.7 W
	3 h	3.5 W	25 mA	25 mA	19 mA	3.9 W	3.9 W	2.7 W

¹⁾ 16 h battery charging time for 2 h emergency lighting function according to AS 2293.

²⁾ EM = Emergency.

RoHS

ACCES-
SORIES

Test switch EM3

Product description

- For connection to the emergency lighting unit
- For checking the device function
- Plug connection



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 3	89899956	25 pc(s).	200 pc(s).	0.013 kg

RoHS

ACCES-
SORIES

Status indication green LED

Product description

- A green LED indicates that charging current is flowing into the battery
- 0.3 / 1.0 m cable length
- Plug connection



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM green, 1.0 m CON	89800269	25 pc(s).	200 pc(s).	0.015 kg
LED EM green, HO 1.0 m CON	89800271	25 pc(s).	200 pc(s).	0.015 kg
LED EM green, 0.6 m CON	89800472	25 pc(s).	200 pc(s).	0.009 kg
LED EM green, HO 0.6 m CON	89800473	25 pc(s).	200 pc(s).	0.009 kg
LED EM green, 0.3 m CON	89800270	25 pc(s).	200 pc(s).	0.005 kg
LED EM green, HO 0.3 m CON	89800272	25 pc(s).	200 pc(s).	0.005 kg



NEW

EM converterLED BASIC MH/LiFePO₄ 50 V
EM BASIC

Product description

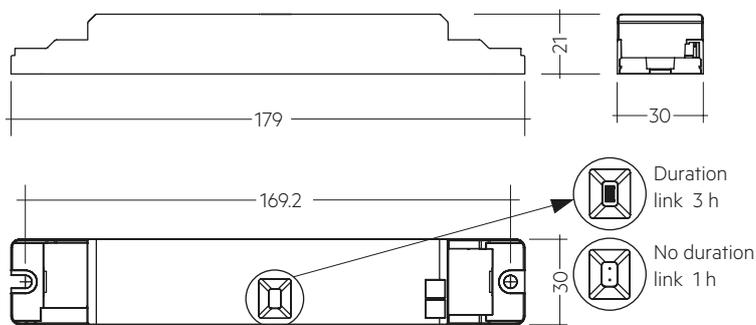
- Self contained emergency lighting LED Driver for manual testing
- For self-contained emergency lighting
- For LED modules with a forward voltage of 10 – 54 V
- SELV for output voltage < 60 V DC
- Low profile casing (21 x 30 mm cross-section)
- For luminaire installation
- 5-year guarantee

Properties

- Non maintained operation
- 1 or 3 h rated duration
- Operating time selectable with plug (duration link)
- Compatible with all dimmable and non-dimmable constant current LED Driver (see data sheet, LED Driver compatibility)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Electronic charge system
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Batteries

- High-temperature cells
 - NiMH or LiFePO₄ batteries
 - D, C or 18650 cells
 - 4-year design life for NiMH batteries
 - 1-year guarantee for NiMH batteries
 - 8-year design life for LiFePO₄ batteries
 - 3-year guarantee for LiFePO₄ batteries
 - For battery compatibility refer to datasheet
- For product data sheet go to www.tridonic.com, or available on request



Note: LED Driver supplied with duration link in 3 hours position. Remove duration link for 1 hour duration. Duration link must be set before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz)	0.6C
LED module forward voltage range	10 – 54 V
Output current	See data sheet
Starting time	< 0.5 s from detection of emergency event
Overvoltage protection	320 V (for 48 h)
U-OUT	60 V
Battery charging time ¹⁾	24 h
Ambient temperature t _a	-5 ... +55 °C
Max. casing temperature t _c	75 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20
Dimensions L x W x H	179 x 30 x 21 mm

Ordering data

Type	Article number	Rated duration	Packaging carton	Packaging pallet	Weight per pc.
EM converterLED BASIC 202 MH/LiFePO₄ 50V	89800575	1/3 h	10 pc(s).	1,600 pc(s).	0.07 kg
EM converterLED BASIC 203 MH/LiFePO₄ 50V	89800576	1/3 h	10 pc(s).	1,600 pc(s).	0.07 kg
EM converterLED BASIC 204 MH/LiFePO₄ 50V	89800577	1/3 h	10 pc(s).	1,600 pc(s).	0.07 kg



Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Battery technology	Rated duration	Typ. output power	Mains current in charging operation			Rated power in charging operation		
				Initial charge	Fast recharge	Trickle charge ²⁾	Initial charge	Fast recharge	Trickle charge ²⁾
EM converterLED BASIC 202 MH/LiFePO4 50V	NiMH	1 h	1.5 W	17 mA	17 mA	17 / 12 mA	2.4 W	2.4 W	2.4 / 1.6 W
		3 h	1.5 W	18 mA	18 mA	18 / 12 mA	2.6 W	2.6 W	2.6 / 1.6 W
	LiFePO ₄	1 h	1.5 W	15 mA	15 mA	15 / 12 mA	2.0 W	2.0 W	2.0 / 1.7 W
		3 h	1.5 W	17 mA	17 mA	17 / 12 mA	2.4 W	2.4 W	2.4 / 1.7 W
EM converterLED BASIC 203 MH/LiFePO4 50V	NiMH	1 h	2.5 W	17 mA	17 mA	17 / 12 mA	2.4 W	2.4 W	2.4 / 1.6 W
		3 h	2.5 W	19 mA	19 mA	19 / 12 mA	2.9 W	2.9 W	2.9 / 1.6 W
	LiFePO ₄	1 h	2.5 W	17 mA	17 mA	17 / 12 mA	2.4 W	2.4 W	2.4 / 1.7 W
		3 h	2.5 W	21 mA	21 mA	21 / 12 mA	3.2 W	3.2 W	3.2 / 1.7 W
EM converterLED BASIC 204 MH/LiFePO4 50V	NiMH	1 h	3.5 W	17 mA	17 mA	17 / 12 mA	2.4 W	2.4 W	2.4 / 1.6 W
		3 h	3.5 W	20 mA	20 mA	20 / 12 mA	3.0 W	3.0 W	3.0 / 1.6 W
	LiFePO ₄	1 h	3.5 W	17 mA	17 mA	17 / 12 mA	2.4 W	2.4 W	2.4 / 1.7 W
		3 h	3.5 W	23 mA	23 mA	23 / 12 mA	3.7 W	3.7 W	3.7 / 1.7 W

¹⁾ 16 h battery charging time for 2 h emergency lighting function according to AS 2293.

²⁾ In case of NiMH batteries: Intermittent charge is used. Value 1 is for 4 min. charge on / Value 2 is for 16 min. charge off. In case of LiFePO₄ batteries voltage dependent constant current charging is used.

RoHS

ACCES-
SORIES

Test switch EM3

Product description

- For connection to the emergency lighting unit
- For checking the device function
- Plug connection



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 3	89899956	25 pc(s).	200 pc(s).	0.013 kg

RoHS

ACCES-
SORIES

Status indication green LED

Product description

- A green LED indicates that charging current is flowing into the battery
- 0.3 / 1.0 m cable length
- Plug connection



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM green, 1.0 m CON	89800269	25 pc(s).	200 pc(s).	0.015 kg
LED EM green, HO 1.0 m CON	89800271	25 pc(s).	200 pc(s).	0.015 kg
LED EM green, 0.6 m CON	89800472	25 pc(s).	200 pc(s).	0.009 kg
LED EM green, HO 0.6 m CON	89800473	25 pc(s).	200 pc(s).	0.009 kg
LED EM green, 0.3 m CON	89800270	25 pc(s).	200 pc(s).	0.005 kg
LED EM green, HO 0.3 m CON	89800272	25 pc(s).	200 pc(s).	0.005 kg



EM converterLED BASIC NiCd/NiMH 90 V

EM BASIC

Product description

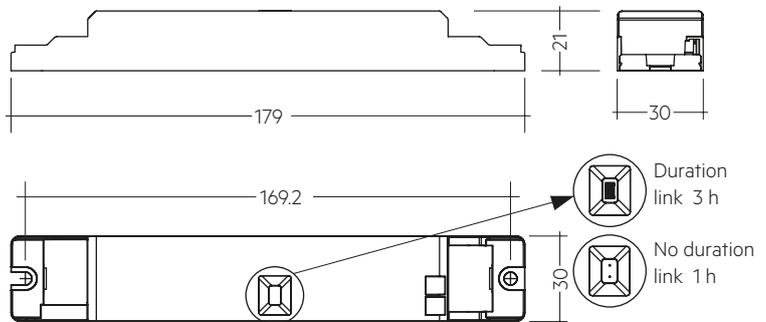
- Emergency lighting LED Driver for manual testing
- For LED modules with a forward voltage of 40 – 97 V
- SELV for output voltage < 120 V DC
- Low profile casing (21 x 30 mm cross-section)
- For luminaire installation
- 5-year guarantee

Properties

- Non maintained operation
- 1 or 3 h rated duration
- Operating time selectable with plug (duration link)
- Compatible with all dimmable and non-dimmable constant current LED Driver (see data sheet, LED Driver compatibility)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Electronic charge system
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Batteries

- High-temperature cells
 - NiCd or NiMH batteries
 - D, Cs or LA cells
 - 4-year design life
 - 1-year guarantee
 - For battery compatibility refer to datasheet
- For product data sheet go to www.tridonic.com, or available on request



Note: Supply of control gear with duration link in 3 hours position. Remove duration link for duration of 1 h. Duration link must be set before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz)	0.6C
Forward voltage range LED module	40 – 97 V
Output current	See data sheet
Starting time	< 0.25 s from detection of emergency event
Overvoltage protection	320 V (for 48 h)
U-OUT	120 V
Battery charging time ¹⁾	24 h
Ambient temperature ta	-5 ... +55 °C
Max. casing temperature tc	75 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20
Dimensions L x W x H	179 x 30 x 21 mm

Ordering data

Type ²⁾	Article number	Rated duration	No. of cells	Packaging carton	Packaging pallet	Weight per pc.
EM converterLED BASIC 203 NiCd/NiMH 90V	89800561	1/3 h	3	10 pc(s).	1,600 pc(s).	0.065 kg
EM converterLED BASIC 204 NiCd/NiMH 90V	89800562	1/3 h	4	10 pc(s).	1,600 pc(s).	0.065 kg



Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet

Specific technical data

Type ²⁾	Rated duration	Typ. output power	Mains current in charging operation			Rated power in charging operation		
			Initial charge	Fast recharge	Trickle charge	Initial charge	Fast recharge	Trickle charge
EM converterLED BASIC 203 NiCd/NiMH 90V	1 h	2.5 W	17 mA	17 mA	15 mA	2.4 W	2.4 W	1.8 W
	3 h	2.5 W	23 mA	23 mA	18 mA	3.5 W	3.5 W	2.4 W
EM converterLED BASIC 204 NiCd/NiMH 90V	1 h	3.5 W	18 mA	18 mA	17 mA	2.5 W	2.5 W	2.0 W
	3 h	3.5 W	24 mA	24 mA	20 mA	3.8 W	3.8 W	2.5 W

¹⁾ 16 h battery charging time for 2 h emergency lighting function according to AS 2293.

²⁾ EM = Emergency

RoHS

ACCES-
SORIES

Test switch EM3



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 3	89899956	25 pc(s).	200 pc(s).	0.013 kg

Product description

- For connection to the emergency lighting unit
- For checking the device function
- Plug connection

RoHS

ACCES-
SORIES

Status indication green LED



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM green, 1.0 m CON	89800269	25 pc(s).	200 pc(s).	0.015 kg
LED EM green, HO 1.0 m CON	89800271	25 pc(s).	200 pc(s).	0.015 kg
LED EM green, 0.6 m CON	89800472	25 pc(s).	200 pc(s).	0.009 kg
LED EM green, HO 0.6 m CON	89800473	25 pc(s).	200 pc(s).	0.009 kg
LED EM green, 0.3 m CON	89800270	25 pc(s).	200 pc(s).	0.005 kg
LED EM green, HO 0.3 m CON	89800272	25 pc(s).	200 pc(s).	0.005 kg

Product description

- A green LED indicates that charging current is flowing into the battery
- 0.3 / 1.0 m cable length
- Plug connection



NEW

EM converterLED BASIC MH/LiFePO₄ 90 V
EM BASIC

Product description

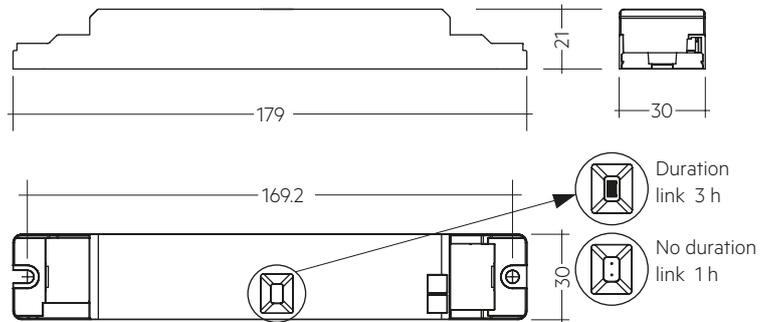
- Self contained emergency lighting LED Driver for manual testing
- For self-contained emergency lighting
- For LED modules with a forward voltage of 40 – 97 V
- SELV for output voltage < 120 V DC
- Low profile casing (21 x 30 mm cross-section)
- For luminaire installation
- 5-year guarantee

Properties

- Non maintained operation
- 1 or 3 h rated duration
- Operating time selectable with plug (duration link)
- Compatible with all dimmable and non-dimmable constant current LED Driver (see data sheet, LED Driver compatibility)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Electronic charge system
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Batteries

- High-temperature cells
 - NiMH or LiFePO₄ batteries
 - D, C or 18650 cells
 - 4-year design life for NiMH batteries
 - 1-year guarantee for NiMH batteries
 - 8-year design life for LiFePO₄ batteries
 - 3-year guarantee for LiFePO₄ batteries
 - For battery compatibility refer to datasheet
- For product data sheet go to www.tridonic.com, or available on request



Note: LED Driver supplied with duration link in 3 hours position. Remove duration link for 1 hour duration. Duration link must be set before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz)	0.65C
LED module forward voltage range	40 – 97 V
Output current	See data sheet
Starting time	< 0.5 s from detection of emergency event
Overvoltage protection	320 V (for 48 h)
U-OUT	120 V
Battery charging time ¹⁾	24 h
Ambient temperature t _a	-5 ... +55 °C
Max. casing temperature t _c	75 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20
Dimensions L x W x H	179 x 30 x 21 mm

Ordering data

Type	Article number	Rated duration	Packaging carton	Packaging pallet	Weight per pc.
EM converterLED BASIC 203 MH/LiFePO₄ 90V	89800578	1/3 h	10 pc(s).	1,600 pc(s).	0.07 kg
EM converterLED BASIC 204 MH/LiFePO₄ 90V	89800579	1/3 h	10 pc(s).	1,600 pc(s).	0.07 kg

→ [Standards, page 696](#) – [Batteries, page 802](#)

For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Battery technology	Rated duration	Typ. output power	Mains current in charging operation			Rated power in charging operation			
				Initial charge	Fast recharge	Trickle charge ²⁾	Initial charge	Fast recharge	Trickle charge ²⁾	
EM converterLED BASIC 203 MH/LiFePO4 90V	NiMH	1 h	2.5 W	18 mA	18 mA	18 / 12 mA	2.6 W	2.6 W	2.6 / 1.6 W	
		3 h	2.5 W	21 mA	21 mA	21 / 12 mA	3.3 W	3.3 W	3.3 / 1.6 W	
	LiFePO ₄	1 h	2.5 W	17 mA	17 mA	17 / 12 mA	2.4 W	2.4 W	2.4 / 1.7 W	
		3 h	2.5 W	21 mA	21 mA	21 / 12 mA	3.2 W	3.2 W	3.2 / 1.7 W	
	EM converterLED BASIC 204 MH/LiFePO4 90V	NiMH	1 h	3.5 W	18 mA	18 mA	18 / 12 mA	2.6 W	2.6 W	2.6 / 1.6 W
			3 h	3.5 W	21 mA	21 mA	21 / 12 mA	3.3 W	3.3 W	3.3 / 1.6 W
LiFePO ₄		1 h	3.5 W	17 mA	17 mA	17 / 12 mA	2.4 W	2.4 W	2.4 / 1.7 W	
		3 h	3.5 W	23 mA	23 mA	23 / 12 mA	3.6 W	3.6 W	3.6 / 1.7 W	

¹⁾ 16 h battery charging time for 2 h emergency lighting function according to AS 2293.

²⁾ In case of NiMH batteries: Intermittent charge is used. Value 1 is for 4 min. charge on / Value 2 is for 16 min. charge off. In case of LiFePO₄ batteries voltage dependent constant current charging is used.

RoHS

ACCES-
SORIES

Test switch EM3

Product description

- For connection to the emergency lighting unit
- For checking the device function
- Plug connection



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 3	89899956	25 pc(s).	200 pc(s).	0.013 kg

RoHS

ACCES-
SORIES

Status indication green LED

Product description

- A green LED indicates that charging current is flowing into the battery
- 0.3 / 1.0 m cable length
- Plug connection



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM green, 1.0 m CON	89800269	25 pc(s).	200 pc(s).	0.015 kg
LED EM green, HO 1.0 m CON	89800271	25 pc(s).	200 pc(s).	0.015 kg
LED EM green, 0.6 m CON	89800472	25 pc(s).	200 pc(s).	0.009 kg
LED EM green, HO 0.6 m CON	89800473	25 pc(s).	200 pc(s).	0.009 kg
LED EM green, 0.3 m CON	89800270	25 pc(s).	200 pc(s).	0.005 kg
LED EM green, HO 0.3 m CON	89800272	25 pc(s).	200 pc(s).	0.005 kg



EM converterLED BASIC NiCd/NiMH 250 V

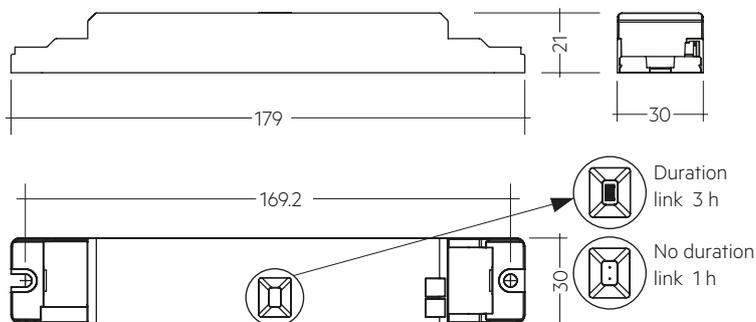
EM BASIC

Product description

- Emergency lighting LED Driver for manual testing
- For LED modules with a forward voltage of 50 – 250 V
- Low profile casing (21 x 30 mm cross-section)
- For luminaire installation
- 5-year guarantee

Properties

- Non maintained operation
- 1 or 3 h rated duration
- Operating time selectable with plug (duration link)
- Compatible with all dimmable and non-dimmable constant current LED Driver (see data sheet, LED Driver compatibility)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Electronic charge system
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery



Note: Supply of control gear with duration link in 3 hours position. Remove duration link for duration of 1 h. Duration link must be set before battery and mains connection.

Batteries

- High-temperature cells
 - NiCd or NiMH batteries
 - D, Cs or LA cells
 - 4-year design life
 - 1-year guarantee
 - For battery compatibility refer to datasheet
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz)	0.65C
LED module forward voltage range	50 – 250 V
Output current	See data sheet
Starting time	< 0.25 s from detection of emergency event
Overvoltage protection	320 V (for 48 h)
U-OUT	280 V
Battery charging time ¹⁾	24 h
Ambient temperature ta	-5 ... +55 °C
Max. casing temperature tc	75 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20
Dimensions L x W x H	179 x 30 x 21 mm

Ordering data

Type ²⁾	Article number	Rated duration	No. of cells	Packaging carton	Packaging pallet	Weight per pc.
EM converterLED BASIC 203 NiCd/NiMH 250V	89800574	1/3 h	3	10 pc(s).	1,600 pc(s).	0.065 kg
EM converterLED BASIC 204 NiCd/NiMH 250V	89800563	1/3 h	4	10 pc(s).	1,600 pc(s).	0.065 kg
EM converterLED BASIC 205 NiCd/NiMH 250V	89800564	1/3 h	5	10 pc(s).	1,600 pc(s).	0.065 kg



Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet

Specific technical data

Type ²⁾	Rated duration	Typ. output power	Mains current in charging operation			Mains power in charging operation		
			Initial charge	Fast recharge	Trickle charge	Initial charge	Fast recharge	Trickle charge
EM converterLED BASIC 203 NiCd/NiMH 250V	1 h	2.5 W	17 mA	17 mA	15 mA	2.3 W	2.3 W	1.9 W
	3 h	2.5 W	21 mA	21 mA	17 mA	3.2 W	3.2 W	2.3 W
EM converterLED BASIC 204 NiCd/NiMH 250V	1 h	3.5 W	18 mA	18 mA	16 mA	2.4 W	2.4 W	2.1 W
	3 h	3.5 W	22 mA	22 mA	18 mA	3.5 W	3.5 W	2.4 W
EM converterLED BASIC 205 NiCd/NiMH 250V	1 h	4.5 W	19 mA	19 mA	17 mA	2.6 W	2.6 W	2.2 W
	3 h	4.5 W	24 mA	24 mA	19 mA	3.7 W	3.7 W	2.6 W

¹⁾ 16 h battery charging time for 2 h emergency lighting function according to AS 2293.

²⁾ EM = Emergency

RoHS

ACCES-
SORIES

Test switch EM3

Product description

- For connection to the emergency lighting unit
- For checking the device function
- Plug connection



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 3	89899956	25 pc(s).	200 pc(s).	0.013 kg

RoHS

ACCES-
SORIES

Status indication green LED EM CON

Product description

- A green LED indicates that charging current is flowing into the battery
- 0.3 / 1.0 m cable length
- Plug connection



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM green, 1.0 m CON	89800269	25 pc(s).	200 pc(s).	0.015 kg
LED EM green, HO 1.0 m CON	89800271	25 pc(s).	200 pc(s).	0.015 kg
LED EM green, 0.6 m CON	89800472	25 pc(s).	200 pc(s).	0.009 kg
LED EM green, HO 0.6 m CON	89800473	25 pc(s).	200 pc(s).	0.009 kg
LED EM green, 0.3 m CON	89800270	25 pc(s).	200 pc(s).	0.005 kg
LED EM green, HO 0.3 m CON	89800272	25 pc(s).	200 pc(s).	0.005 kg



NEW

EM converterLED BASIC MH/LiFePO₄ 250 V
EM BASIC

Product description

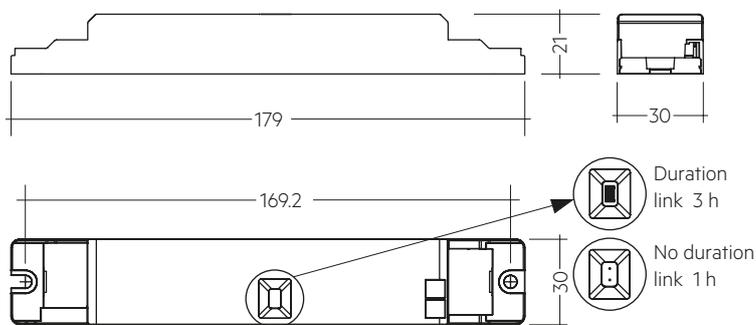
- Self contained emergency lighting LED Driver for manual testing
- For self-contained emergency lighting
- For LED modules with a forward voltage of 50 – 250 V
- Low profile casing (21 x 30 mm cross-section)
- For luminaire installation
- 5-year guarantee

Properties

- Non maintained operation
- 1 or 3 h rated duration
- Operating time selectable with plug (duration link)
- Compatible with all dimmable and non-dimmable constant current LED Driver (see data sheet, LED Driver compatibility)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Electronic charge system
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Batteries

- High-temperature cells
 - NiMH or LiFePO₄ batteries
 - D, C or 18650 cells
 - 4-year design life for NiMH batteries
 - 1-year guarantee for NiMH batteries
 - 8-year design life for LiFePO₄ batteries
 - 3-year guarantee for LiFePO₄ batteries
 - For battery compatibility refer to datasheet
- For product data sheet go to www.tridonic.com, or available on request



Note: LED Driver supplied with duration link in 3 hours position. Remove duration link for 1 hour duration. Duration link must be set before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz)	0.65C
LED module forward voltage range	50 – 250 V
Output current	See data sheet
Starting time	< 0.5 s from detection of emergency event
Overvoltage protection	320 V (for 48 h)
U-OUT	280 V
Battery charging time ¹⁾	24 h
Ambient temperature t _a	-5 ... +55 °C
Max. casing temperature t _c	75 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20
Dimensions L x W x H	179 x 30 x 21 mm

Ordering data

Type	Article number	Rated duration	Packaging carton	Packaging pallet	Weight per pc.
EM converterLED BASIC 203 MH/LiFePO ₄ 250V	89800592	1/3 h	10 pc(s).	1,600 pc(s).	0.07 kg
EM converterLED BASIC 204 MH/LiFePO ₄ 250V	89800581	1/3 h	10 pc(s).	1,600 pc(s).	0.07 kg
EM converterLED BASIC 205 MH/LiFePO ₄ 250V	89800582	1/3 h	10 pc(s).	1,600 pc(s).	0.07 kg



Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Battery technology	Rated duration	Typ. output power	Mains current in charging operation			Rated power in charging operation			
				Initial charge	Fast recharge	Trickle charge ²⁾	Initial charge	Fast recharge	Trickle charge ²⁾	
EM converterLED BASIC 202 MH/LiFePO4 250V	NiMH	1 h	2.5 W	17 mA	17 mA	17 / 12 mA	2.4 W	2.4 W	2.4 / 1.5 W	
		3 h	2.5 W	19 mA	19 mA	19 / 12 mA	2.9 W	2.9 W	2.9 / 1.5 W	
	LiFePO ₄	1 h	2.5 W	18 mA	18 mA	18 / 12 mA	2.5 W	2.5 W	2.5 / 1.6 W	
		3 h	2.5 W	21 mA	21 mA	21 / 12 mA	3.2 W	3.2 W	3.2 / 1.6 W	
	EM converterLED BASIC 203 MH/LiFePO4 250V	NiMH	1 h	3.5 W	18 mA	18 mA	18 / 12 mA	2.5 W	2.5 W	2.5 / 1.5 W
			3 h	3.5 W	21 mA	21 mA	21 / 12 mA	3.2 W	3.2 W	3.2 / 1.5 W
LiFePO ₄		1 h	3.5 W	17 mA	17 mA	17 / 12 mA	2.5 W	2.5 W	2.5 / 1.6 W	
		3 h	3.5 W	23 mA	23 mA	23 / 12 mA	3.6 W	3.6 W	3.6 / 1.6 W	
EM converterLED BASIC 204 MH/LiFePO4 250V		NiMH	1 h	4.5 W	19 mA	19 mA	19 / 12 mA	2.7 W	2.7 W	2.7 / 1.5 W
			3 h	4.5 W	22 mA	22 mA	22 / 12 mA	3.3 W	3.3 W	3.3 / 1.5 W
	LiFePO ₄	1 h	4.5 W	17 mA	17 mA	17 / 12 mA	2.3 W	2.3 W	2.3 / 1.6 W	
		3 h	4.5 W	24 mA	24 mA	24 / 12 mA	3.7 W	3.7 W	3.7 / 1.6 W	

¹⁾ 16 h battery charging time for 2 h emergency lighting function according to AS 2293.

²⁾ In case of NiMH batteries: Intermittent charge is used. Value 1 is for 4 min. charge on / Value 2 is for 16 min. charge off. In case of LiFePO₄ batteries voltage dependent constant current charging is used.

RoHS

ACCES-
SORIES

Test switch EM3

Product description

- For connection to the emergency lighting unit
- For checking the device function
- Plug connection



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 3	89899956	25 pc(s).	200 pc(s).	0.013 kg

RoHS

ACCES-
SORIES

Status indication green LED

Product description

- A green LED indicates that charging current is flowing into the battery
- 0.3 / 1.0 m cable length
- Plug connection



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM green, 1.0 m CON	89800269	25 pc(s).	200 pc(s).	0.015 kg
LED EM green, HO 1.0 m CON	89800271	25 pc(s).	200 pc(s).	0.015 kg
LED EM green, 0.6 m CON	89800472	25 pc(s).	200 pc(s).	0.009 kg
LED EM green, HO 0.6 m CON	89800473	25 pc(s).	200 pc(s).	0.009 kg
LED EM green, 0.3 m CON	89800270	25 pc(s).	200 pc(s).	0.005 kg
LED EM green, HO 0.3 m CON	89800272	25 pc(s).	200 pc(s).	0.005 kg



EM converterLED ST 50 V

EM SELFTEST

Product description

- Emergency lighting LED Driver with self-test function
- For LED modules with a forward voltage of 10 – 52 V
- SELV for output voltage < 60 V DC
- Low profile casing (21 x 30 mm cross-section)
- 5-year guarantee

Properties

- Non maintained operation
- Self-test as per IEC 62034
- 1, 2 or 3 h rated duration
- Operating time selectable with plug (duration link)
- Compatible with all dimmable and non-dimmable constant current LED Drivers (see data sheet, LED Driver compatibility)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Two-colour status display LED
- „Rest mode“ function
- Electronic multi-level charge system
- Intermittent charge for NiMH batteries (pulse charge)
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

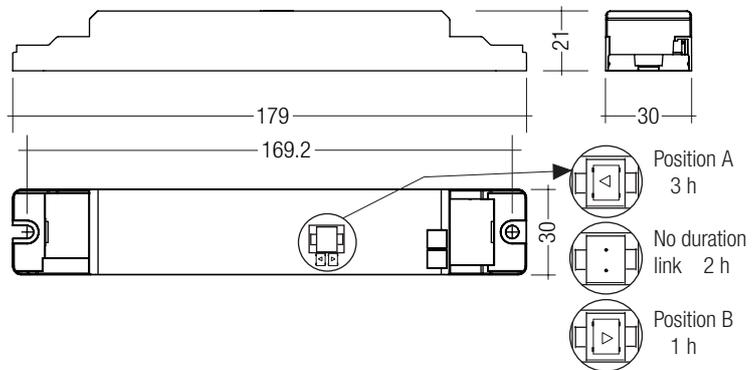
Self-test:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- D, Cs or LA cells
- 4-year design life
- 1-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request



Note: LED Driver supplied with duration link in 3 hours position. Duration link must be set before battery and mains connection. The EM converterLED ST 134 NiCd is supplied without a duration link. The duration is set to 3 hours and cannot be changed.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
LED module forward voltage range	10 – 52 V
Output current	See data sheet
Starting time	< 0.25 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Maximum output voltage	60 V
Ambient temperature range ta	-25 ... +55 °C
Max. casing temperature tc	75 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20
Rest mode max. number of emergency units	100
Rest mode max. wiring distance	1,000 m
Functional test	Weekly 5s test
Duration test	Yearly 1 h / 2 h / 3 h test

Ordering data

Type	Article number	Rated duration of cells	Number of cells	Packaging carton	Packaging pallet	Weight per pc.
EM converterLED ST 103 50V	89800181	1/2/3 h	3	10 pc(s).	800 pc(s).	0.080 kg
EM converterLED ST 104 50V	89800182	1/2/3 h	4	10 pc(s).	800 pc(s).	0.080 kg
EM converterLED ST 134 NiCd 50V	89800183	3 h	4	10 pc(s).	800 pc(s).	0.080 kg
EM converterLED ST 103 NiMH 50V	89800316	1/2/3 h	3	10 pc(s).	800 pc(s).	0.077 kg
EM converterLED ST 104 NiMH 50V	89800317	1/2/3 h	4	10 pc(s).	800 pc(s).	0.077 kg

Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Rated duration	Typ. λ (at 230 V, 50 Hz)	Typ. output power	Mains current in charging operation			Mains power in charging operation		
				Initial charge	Fast recharge	Trickle charge ¹⁾	Initial charge	Fast recharge	Trickle charge ¹⁾
EM converterLED ST 103 50V	1 h	0.50c	2.45 W	20 mA	22 mA	16 mA	2.2 W	2.7 W	1.6 W
EM converterLED ST 103 50V	2 h	0.50c	2.45 W	27 mA	27 mA	20 mA	3.5 W	3.7 W	2.0 W
EM converterLED ST 103 50V	3 h	0.50c	2.45 W	27 mA	27 mA	20 mA	3.5 W	3.7 W	2.0 W
EM converterLED ST 104 50V	1 h	0.50c	3.33 W	20 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W
EM converterLED ST 104 50V	2 h	0.50c	3.33 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED ST 104 50V	3 h	0.50c	3.33 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED ST 134 NiCd 50V	3 h	0.50c	1.33 W	20 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W
EM converterLED ST 103 NiMH 50V	1 h	0.45c	2.45 W	28 mA	30 mA	24 / 22 mA	2.3 W	3.1 W	1.7 / 1.4 W
EM converterLED ST 103 NiMH 50V	2 h	0.45c	2.45 W	34 mA	36 mA	28 / 22 mA	3.9 W	4.4 W	2.3 / 1.4 W
EM converterLED ST 103 NiMH 50V	3 h	0.45c	2.45 W	34 mA	36 mA	28 / 22 mA	3.9 W	4.4 W	2.3 / 1.4 W
EM converterLED ST 104 NiMH 50V	1 h	0.50c	3.33 W	27 mA	28 mA	23 / 22 mA	2.2 W	2.8 W	1.7 / 1.5 W
EM converterLED ST 104 NiMH 50V	2 h	0.50c	3.33 W	32 mA	33 mA	27 / 22 mA	3.5 W	3.9 W	2.2 / 1.5 W
EM converterLED ST 104 NiMH 50V	3 h	0.50c	3.33 W	32 mA	33 mA	27 / 22 mA	3.5 W	3.9 W	2.2 / 1.5 W

¹⁾ In case of 2 values: Intermittent charge is used. Value 1 is for 4 min. charge on / Value 2 is for 16 min. charge off.

RoHS

ACCES-
SORIES

Test switch EM3



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 3	89899956	25 pc(s).	200 pc(s).	0.01 kg

Product description

- For connection to the emergency lighting unit
- For checking the device function
- Plug connection

RoHS

ACCES-
SORIES

Status indication bi-colour LED EM CON



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM bi-colour, 1.0 m CON	89800273	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour, high brightness HO 1.0 m CON	89800275	25 pc(s).	200 pc(s).	0.015 kg
LED EM 2-colour, 0.6 m CON	89800474	25 pc(s).	200 pc(s).	0.009 kg
LED EM 2-colour, high brightness HO 0.6 m CON	89800475	25 pc(s).	200 pc(s).	0.009 kg
LED EM bi-colour, 0.3 m CON	89800274	25 pc(s).	200 pc(s).	0.005 kg
LED EM bi-colour, high brightness HO 0.3 m CON	89800276	25 pc(s).	200 pc(s).	0.005 kg

Product description

- Two-colour status display LED
- Green: system OK, red: fault
- Plug connection



EM converterLED ST 90 V
EM SELFTTEST

Product description

- Emergency lighting LED Driver with self-test function
- For LED modules with a forward voltage of 40 – 97 V
- SELV for output voltage < 120 V DC
- Low profile casing (21 x 30 mm cross-section)
- 5-year guarantee

Properties

- Non maintained operation
- Self-test as per IEC 62034
- 1, 2 or 3 h rated duration
- Operating time selectable with plug (duration link)
- Compatible with all dimmable and non-dimmable constant current LED Drivers (see data sheet, LED Driver compatibility)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Two-colour status display LED
- „Rest mode“ function
- Electronic multi-level charge system
- Intermittent charge for NiMH batteries (pulse charge)
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

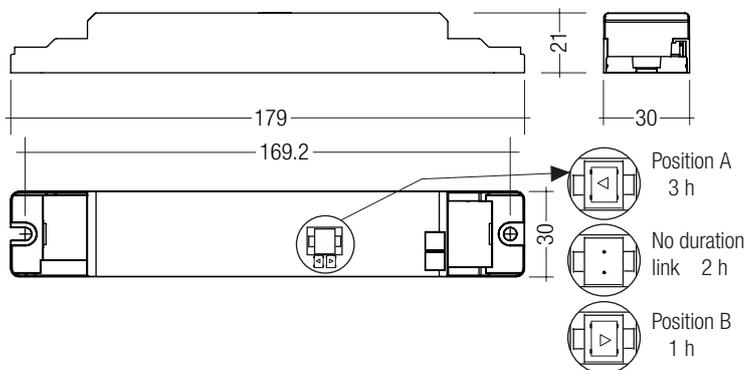
Self-test:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- D, Cs or LA cells
- 4-year design life
- 1-year guarantee

→ For product data sheet go to www.tridonic.com,
or available on request



Note: LED Driver supplied with duration link in 3 hours position. Duration link must be set before battery and mains connection. The EM converterLED ST 135 NiCd is supplied without a duration link. The duration is set to 3 hours and cannot be changed.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
LED module forward voltage range	40 – 97 V
Output current	See data sheet
Starting time	< 0.25 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Maximum output voltage	120 V
Ambient temperature range t_a	-25 ... +55 °C
Max. casing temperature t_c	75 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20
Rest mode max. number of emergency units	100
Rest mode max. wiring distance	1,000 m
Functional test	Weekly 5s test
Duration test	Yearly 1 h / 2 h / 3 h test

Ordering data

Type	Article number	Rated duration	Number of cells	Packaging carton	Packaging pallet	Weight per pc.
EM converterLED ST 104 90V	89800190	1/2/3 h	4	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED ST 105 90V	89800191	1/2/3 h	5	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED ST 135 NiCd 90V	89800192	3 h	5	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED ST 104 NiMH 90V	89800322	1/2/3 h	4	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED ST 105 NiMH 90V	89800323	1/2/3 h	5	10 pc(s).	800 pc(s).	0.08 kg



Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Rated duration	Typ. λ (at 230 V, 50 Hz)	Typ. output power	Mains current in charging operation			Mains power in charging operation		
				Initial charge	Fast recharge	Trickle charge ¹⁾	Initial charge	Fast recharge	Trickle charge ¹⁾
EM converterLED ST 104 90V	1 h	0.5c	3.7 W	20 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W
EM converterLED ST 104 90V	2 h	0.5c	3.7 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED ST 104 90V	3 h	0.5c	3.7 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED ST 105 90V	1 h	0.5c	4.9 W	20 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W
EM converterLED ST 105 90V	2 h	0.5c	4.9 W	30 mA	30 mA	20 mA	4.5 W	4.8 W	2.5 W
EM converterLED ST 105 90V	3 h	0.5c	4.9 W	30 mA	30 mA	20 mA	4.5 W	4.8 W	2.5 W
EM converterLED ST 135 NiCd 90V	3 h	0.5c	1.9 W	20 mA	25 mA	17 mA	2.5 W	3.3 W	1.7 W
EM converterLED ST 104 NiMH 90V	1 h	0.5c	3.7 W	27 mA	30 mA	24 / 22 mA	2.4 W	3.1 W	1.8 / 1.5 W
EM converterLED ST 104 NiMH 90V	2 h	0.5c	3.7 W	34 mA	36 mA	27 / 22 mA	4.0 W	4.4 W	2.4 / 1.5 W
EM converterLED ST 104 NiMH 90V	3 h	0.5c	3.7 W	34 mA	36 mA	27 / 22 mA	4.0 W	4.4 W	2.4 / 1.5 W
EM converterLED ST 105 NiMH 90V	1 h	0.5c	4.9 W	29 mA	32 mA	25 / 23 mA	2.5 W	3.4 W	1.8 / 1.5 W
EM converterLED ST 105 NiMH 90V	2 h	0.5c	4.9 W	36 mA	38 mA	29 / 23 mA	4.5 W	4.8 W	2.6 / 1.5 W
EM converterLED ST 105 NiMH 90V	3 h	0.5c	4.9 W	36 mA	38 mA	29 / 23 mA	4.5 W	4.8 W	2.6 / 1.5 W

¹⁾ In case of 2 values: Intermittent charge is used. Value 1 is for 4 min. charge on / Value 2 is for 16 min. charge off.

RoHS

ACCES-
SORIES

Test switch EM3

Product description

- For connection to the emergency lighting unit
- For checking the device function
- Plug connection



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 3	89899956	25 pc(s).	200 pc(s).	0.01 kg

RoHS

ACCES-
SORIES

Status indication bi-colour LED EM CON

Product description

- Two-colour status display LED
- Green: system OK, red: fault
- Plug connection



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM bi-colour, 1.0 m CON	89800273	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour, high brightness HO 1.0 m CON	89800275	25 pc(s).	200 pc(s).	0.015 kg
LED EM 2-colour, 0.6 m CON	89800474	25 pc(s).	200 pc(s).	0.009 kg
LED EM 2-colour, high brightness HO 0.6 m CON	89800475	25 pc(s).	200 pc(s).	0.009 kg
LED EM bi-colour, 0.3 m CON	89800274	25 pc(s).	200 pc(s).	0.005 kg
LED EM bi-colour, high brightness HO 0.3 m CON	89800276	25 pc(s).	200 pc(s).	0.005 kg



EM converterLED ST 200 V

EM SELFTTEST

Product description

- Emergency lighting LED Driver with self-test function
- For LED modules with a forward voltage of 50 – 200 V
- Low profile casing (21 x 30 mm cross-section)
- 5-year guarantee

Properties

- Non maintained operation
- Self-test as per IEC 62034
- 1, 2 or 3 h rated duration
- Operating time selectable with plug (duration link)
- Compatible with all dimmable and non-dimmable constant current LED Drivers (see data sheet, LED Driver compatibility)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Two-colour status display LED
- „Rest mode“ function
- Electronic multi-level charge system
- Intermittent charge for NiMH batteries (pulse charge)
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

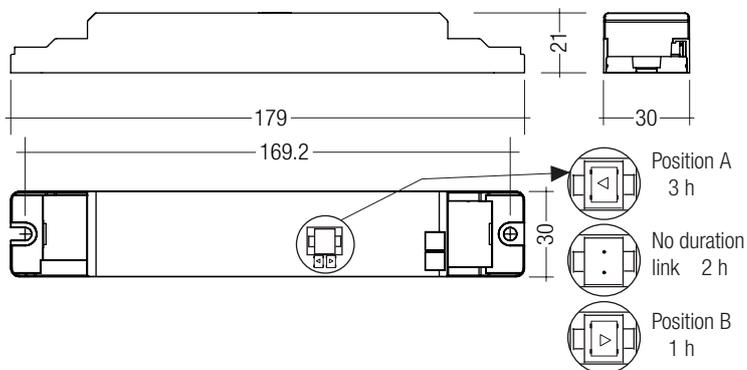
Self-test:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- D, Cs or LA cells
- 4-year design life
- 1-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request



Note: Supply of control gear with duration link in 3 hours position. Duration link must be set before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
LED module forward voltage range	50 – 200 V
Output current	See data sheet
Starting time	< 0.25 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
U-OUT	250 V
Ambient temperature range t_a	-25 ... +55 °C
Max. casing temperature t_c	75 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20
Rest mode max. number of emergency units	100
Rest mode max. wiring distance	1,000 m
Functional test	Weekly 5s test
Duration test	Yearly 1 h / 2 h / 3 h test

Ordering data

Type	Article number	Rated duration of cells	Number of cells	Packaging carton	Packaging pallet	Weight per pc.
EM converterLED ST 104 200V	89800310	1/2/3 h	4	10 pc(s).	800 pc(s).	0.080 kg
EM converterLED ST 105 200V	89800311	1/2/3 h	5	10 pc(s).	800 pc(s).	0.080 kg
EM converterLED ST 104 NiMH 200V	89800328	1/2/3 h	4	10 pc(s).	800 pc(s).	0.077 kg
EM converterLED ST 105 NiMH 200V	89800329	1/2/3 h	5	10 pc(s).	800 pc(s).	0.077 kg



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For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Rated duration	Typ. λ (at 230 V, 50 Hz)	Typ. output power	Mains current in charging operation			Mains power in charging operation		
				Initial charge	Fast recharge	Trickle charge ¹⁾	Initial charge	Fast recharge	Trickle charge ¹⁾
EM converterLED ST 104 200V	1 h	0.45c	4.25 W	20 mA	25 mA	17 mA	3.0 W	3.0 W	1.7 W
EM converterLED ST 104 200V	2 h	0.50c	4.25 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED ST 104 200V	3 h	0.50c	4.25 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED ST 105 200V	1 h	0.45c	5.40 W	20 mA	25 mA	17 mA	3.0 W	3.5 W	1.7 W
EM converterLED ST 105 200V	2 h	0.50c	5.40 W	30 mA	35 mA	20 mA	4.5 W	4.8 W	2.5 W
EM converterLED ST 105 200V	3 h	0.50c	5.40 W	30 mA	35 mA	20 mA	4.5 W	4.8 W	2.5 W
EM converterLED ST 104 NiMH 200V	1 h	0.45c	4.25 W	27 mA	30 mA	24 / 22 mA	2.3 W	2.9 W	1.8 / 1.5 W
EM converterLED ST 104 NiMH 200V	2 h	0.50c	4.25 W	33 mA	35 mA	27 / 22 mA	3.9 W	4.2 W	2.3 / 1.5 W
EM converterLED ST 104 NiMH 200V	3 h	0.50c	4.25 W	33 mA	35 mA	27 / 22 mA	3.9 W	4.2 W	2.3 / 1.5 W
EM converterLED ST 105 NiMH 200V	1 h	0.45c	5.40 W	28 mA	31 mA	24 / 23 mA	2.5 W	3.3 W	1.8 / 1.5 W
EM converterLED ST 105 NiMH 200V	2 h	0.50c	5.40 W	36 mA	38 mA	28 / 23 mA	4.4 W	4.8 W	2.5 / 1.5 W
EM converterLED ST 105 NiMH 200V	3 h	0.50c	5.40 W	36 mA	38 mA	28 / 23 mA	4.4 W	4.8 W	2.5 / 1.5 W

¹⁾ In case of 2 values: Intermittent charge is used. Value 1 is for 4 min. charge on / Value 2 is for 16 min. charge off.

RoHS

ACCES-
SORIES

Test switch EM3



Product description

- For connection to the emergency lighting unit
- For checking the device function
- Plug connection

Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 3	89899956	25 pc(s).	200 pc(s).	0.01 kg

RoHS

ACCES-
SORIES

Status indication bi-colour LED EM CON



Product description

- Two-colour status display LED
- Green: system OK, red: fault
- Plug connection

Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM bi-colour, 1.0 m CON	89800273	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour, high brightness HO 1.0 m CON	89800275	25 pc(s).	200 pc(s).	0.015 kg
LED EM 2-colour, 0.6 m CON	89800474	25 pc(s).	200 pc(s).	0.009 kg
LED EM 2-colour, high brightness HO 0.6 m CON	89800475	25 pc(s).	200 pc(s).	0.009 kg
LED EM bi-colour, 0.3 m CON	89800274	25 pc(s).	200 pc(s).	0.005 kg
LED EM bi-colour, high brightness HO 0.3 m CON	89800276	25 pc(s).	200 pc(s).	0.005 kg



EM converterLED PRO 50 V

EM PRO

Product description

- Emergency lighting LED Driver with DALI interface and automatic test function
- For LED modules with a forward voltage of 10 – 52 V
- SELV for output voltage < 60 V DC
- Low profile casing (21 x 30 mm cross-section)
- 5-year guarantee

Properties

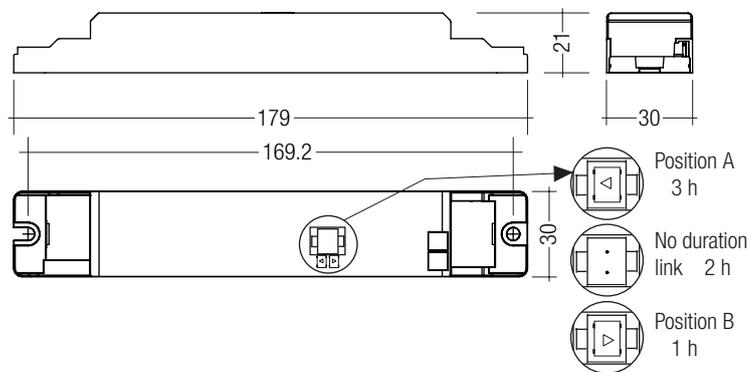
- Non maintained operation
- DALI interface for controlled testing and monitoring
- 1, 2 or 3 h rated duration
- Operating time selectable with plug (duration link)
- For 2 h operation: first test 120 min, all other tests 90 min, rated duration
- Compatible with all dimmable and non-dimmable constant current LED Driver (see data sheet, LED Driver compatibility)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Addressing function, patented (“EZ easy addressing”)
- Two-colour status display LED
- Electronic multi-level charge system
- Intermittent charge for NiMH batteries (pulse charge)
- “Rest mode” function
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Tests:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- D, Cs or LA cells
- 4-year design life
- 1-year guarantee



Note: LED Driver supplied with duration link in 3 hours position. Duration link must be set before battery and mains connection. The EM converterLED PRO 134 NiCd is supplied without a duration link. The duration is set to 3 hours and cannot be changed.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Forward voltage range LED module	10 – 52 V
Output current	See data sheet
Starting time	< 0.25 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Max. output voltage	60 V
Ambient temperature t_a	-25 ... +55 °C
Max. casing temperature t_c	75 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Rated duration of cells	Number	Packaging carton	Packaging pallet	Weight per pc.
EM converterLED PRO 103 50V	89800184	1/2/3 h	3	10 pc(s).	800 pc(s).	0.078 kg
EM converterLED PRO 104 50V	89800185	1/2/3 h	4	10 pc(s).	800 pc(s).	0.080 kg
EM converterLED PRO 134 NiCd 50V	89800186	3 h	4	10 pc(s).	800 pc(s).	0.080 kg
EM converterLED PRO 103 NiMH 50V	89800318	1/2/3 h	3	10 pc(s).	800 pc(s).	0.078 kg
EM converterLED PRO 104 NiMH 50V	89800319	1/2/3 h	4	10 pc(s).	800 pc(s).	0.080 kg

→ For product data sheet go to www.tridonic.com,
or available on request



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For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Rated duration	Typ. λ (at 230 V, 50 Hz)	Typ. output power	Mains current in charging operation			Mains power in charging operation		
				Initial charge	Fast recharge	Trickle charge ¹⁾	Initial charge	Fast recharge	Trickle charge ¹⁾
EM converterLED PRO 103 50V	1 h	0.50c	2.45 W	20 mA	22 mA	16 mA	2.2 W	2.7 W	1.1 W
EM converterLED PRO 103 50V	2 h	0.50c	2.45 W	27 mA	27 mA	20 mA	3.5 W	3.7 W	2.0 W
EM converterLED PRO 103 50V	3 h	0.50c	2.45 W	27 mA	27 mA	20 mA	3.5 W	3.7 W	2.0 W
EM converterLED PRO 104 50V	1 h	0.50c	3.33 W	20 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W
EM converterLED PRO 104 50V	2 h	0.50c	3.33 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED PRO 104 50V	3 h	0.50c	3.33 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED PRO 134 NiCd 50V	3 h	0.50c	1.33 W	20 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W
EM converterLED PRO 103 NiMH 50V	1 h	0.45c	2.45 W	28 mA	30 mA	24 / 22 mA	2.3 W	3.1 W	1.7 / 1.4 W
EM converterLED PRO 103 NiMH 50V	2 h	0.45c	2.45 W	34 mA	36 mA	28 / 22 mA	3.9 W	4.4 W	2.3 / 1.4 W
EM converterLED PRO 103 NiMH 50V	3 h	0.45c	2.45 W	34 mA	36 mA	28 / 22 mA	3.9 W	4.4 W	2.3 / 1.4 W
EM converterLED PRO 104 NiMH 50V	1 h	0.50c	3.33 W	27 mA	28 mA	23 / 22 mA	2.2 W	2.8 W	1.7 / 1.5 W
EM converterLED PRO 104 NiMH 50V	2 h	0.50c	3.33 W	32 mA	33 mA	27 / 22 mA	3.5 W	3.9 W	2.2 / 1.5 W
EM converterLED PRO 104 NiMH 50V	3 h	0.50c	3.33 W	32 mA	33 mA	27 / 22 mA	3.5 W	3.9 W	2.2 / 1.5 W

¹⁾ In case of 2 values: Intermittent charge is used. Value 1 is for 4 min. charge on / Value 2 is for 16 min. charge off.

RoHS

ACCES-
SORIES

Test switch EM3



Product description

- For connection to the emergency lighting unit
- For checking the device function
- Plug connection

Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 3	89899956	25 pc(s).	200 pc(s).	0.013 kg

RoHS

ACCES-
SORIES

Status indication bi-colour LED EM CON



Product description

- Two-colour status display LED
- Green: system OK, red: fault
- Plug connection

Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM bi-colour, 1.0 m CON	89800273	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour, high brightness HO 1.0 m CON	89800275	25 pc(s).	200 pc(s).	0.015 kg
LED EM 2-colour, 0.6 m CON	89800474	25 pc(s).	200 pc(s).	0.005 kg
LED EM 2-colour, high brightness HO 0.6 m CON	89800475	25 pc(s).	200 pc(s).	0.005 kg
LED EM bi-colour, 0.3 m CON	89800274	25 pc(s).	200 pc(s).	0.005 kg
LED EM bi-colour, high brightness HO 0.3 m CON	89800276	25 pc(s).	200 pc(s).	0.005 kg

RoHS

ACCESSORIES

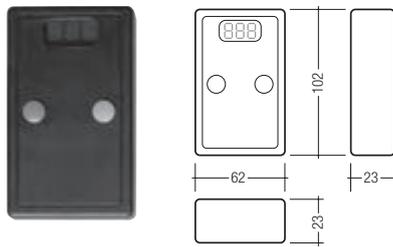
Addressing tool

Product description

- Provides simple addressing for all PRO units
- Uses the bi-colour LED for device identification

Properties

- Takes standard 9 V battery
- Easy two button operation
- Belt clip
- Auto power off to conserve battery
- Bright 7 segment LED display



Ordering data

Type	Article number	Packaging carton	Weight per pc.
EM PRO addressing tool	89899836	1 pc(s).	0.08 kg



EM converterLED PRO 90 V

EM PRO

Product description

- Emergency lighting LED Driver with DALI interface and automatic test function
- For LED modules with a forward voltage of 40 – 97 V
- SELV for output voltage < 120 V DC
- Low profile casing (21 x 30 mm cross-section)
- 5-year guarantee

Properties

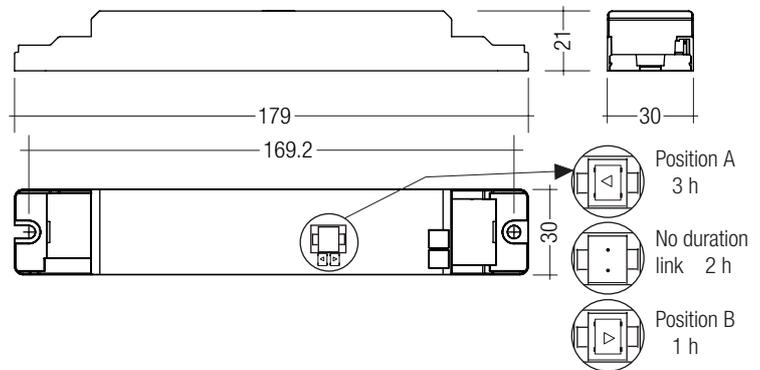
- Non maintained operation
- DALI interface for controlled testing and monitoring
- 1, 2 or 3 h rated duration
- Operating time selectable with plug (duration link)
- For 2 h operation: first test 120 min, all other tests 90 min, rated duration
- Compatible with all dimmable and non-dimmable constant current LED Driver (see data sheet, LED Driver compatibility)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Addressing function, patented (“EZ easy addressing”)
- Two-colour status display LED
- Electronic multi-level charge system
- Intermittent charge for NiMH batteries (pulse charge)
- “Rest mode” function
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Tests:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- D, Cs or LA cells
- 4-year design life
- 1-year guarantee



Note: LED Driver supplied with duration link in 3 hours position. Duration link must be set before battery and mains connection. The EM converterLED PRO 135 NiCd is supplied without a duration link. The duration is set to 3 hours and cannot be changed.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Forward voltage range LED module	40 – 97 V
Output current	See data sheet
Starting time	< 0.25 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Max. output voltage	120 V
Ambient temperature t_a	-25 ... +55 °C
Max. casing temperature t_c	75 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Rated duration	Number of cells	Packaging carton	Packaging pallet	Weight per pc.
EM converterLED PRO 104 90V	89800193	1/2/3 h	4	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED PRO 105 90V	89800194	1/2/3 h	5	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED PRO 135 NiCd 90V	89800195	3 h	5	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED PRO 104 NiMH 90V	89800324	1/2/3 h	4	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED PRO 105 NiMH 90V	89800325	1/2/3 h	5	10 pc(s).	800 pc(s).	0.08 kg

→ For product data sheet go to www.tridonic.com,
or available on request



Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Rated duration	Typ. λ (at 230 V, 50 Hz)	Typ. output power	Mains current in charging operation			Mains power in charging operation		
				Initial charge	Fast recharge	Trickle charge ¹⁾	Initial charge	Fast recharge	Trickle charge ¹⁾
EM converterLED PRO 104 90V	1 h	0.5c	3.7 W	20 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W
EM converterLED PRO 104 90V	2 h	0.5c	3.7 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED PRO 104 90V	3 h	0.5c	3.7 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED PRO 105 90V	1 h	0.5c	4.9 W	20 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W
EM converterLED PRO 105 90V	2 h	0.5c	4.9 W	30 mA	30 mA	20 mA	4.5 W	4.8 W	2.5 W
EM converterLED PRO 105 90V	3 h	0.5c	4.9 W	30 mA	30 mA	20 mA	4.5 W	4.8 W	2.5 W
EM converterLED PRO 135 NiCd 90V	3 h	0.5c	1.9 W	20 mA	25 mA	17 mA	2.5 W	3.3 W	1.7 W
EM converterLED PRO 104 NiMH 90V	1 h	0.5c	3.7 W	27 mA	30 mA	24 / 22 mA	2.4 W	3.1 W	1.8 / 1.5 W
EM converterLED PRO 104 NiMH 90V	2 h	0.5c	3.7 W	34 mA	36 mA	27 / 22 mA	4.0 W	4.4 W	2.4 / 1.5 W
EM converterLED PRO 104 NiMH 90V	3 h	0.5c	3.7 W	34 mA	36 mA	27 / 22 mA	4.0 W	4.4 W	2.4 / 1.5 W
EM converterLED PRO 105 NiMH 90V	1 h	0.5c	4.9 W	29 mA	32 mA	25 / 23 mA	2.5 W	3.4 W	1.8 / 1.5 W
EM converterLED PRO 105 NiMH 90V	2 h	0.5c	4.9 W	36 mA	38 mA	29 / 23 mA	4.5 W	4.8 W	2.6 / 1.5 W
EM converterLED PRO 105 NiMH 90V	3 h	0.5c	4.9 W	36 mA	38 mA	29 / 23 mA	4.5 W	4.8 W	2.6 / 1.5 W

¹⁾ In case of 2 values: Intermittent charge is used. Value 1 is for 4 min. charge on / Value 2 is for 16 min. charge off.

RoHS

ACCES-
SORIES

Test switch EM3



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 3	89899956	25 pc(s).	200 pc(s).	0.013 kg

RoHS

ACCES-
SORIES

Status indication bi-colour LED EM CON



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM bi-colour, 1.0 m CON	89800273	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour, high brightness HO 1.0 m CON	89800275	25 pc(s).	200 pc(s).	0.015 kg
LED EM 2-colour, 0.6 m CON	89800474	25 pc(s).	200 pc(s).	0.005 kg
LED EM 2-colour, high brightness HO 0.6 m CON	89800475	25 pc(s).	200 pc(s).	0.005 kg
LED EM bi-colour, 0.3 m CON	89800274	25 pc(s).	200 pc(s).	0.005 kg
LED EM bi-colour, high brightness HO 0.3 m CON	89800276	25 pc(s).	200 pc(s).	0.005 kg

RoHS

ACCESSORIES

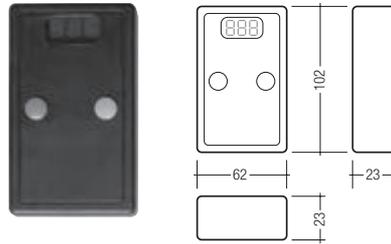
Addressing tool

Product description

- Provides simple addressing for all PRO units
- Uses the bi-colour LED for device identification

Properties

- Takes standard 9 V battery
- Easy two button operation
- Belt clip
- Auto power off to conserve battery
- Bright 7 segment LED display



Ordering data

Type	Article number	Packaging carton	Weight per pc.
EM PRO addressing tool	89899836	1 pc(s).	0.08 kg



EM converterLED PRO 200 V

EM PRO

Product description

- Emergency lighting LED Driver with DALI interface and automatic test function
- For LED modules with a forward voltage of 50 – 200 V
- Low profile casing (21 x 30 mm cross-section)
- 5-year guarantee

Properties

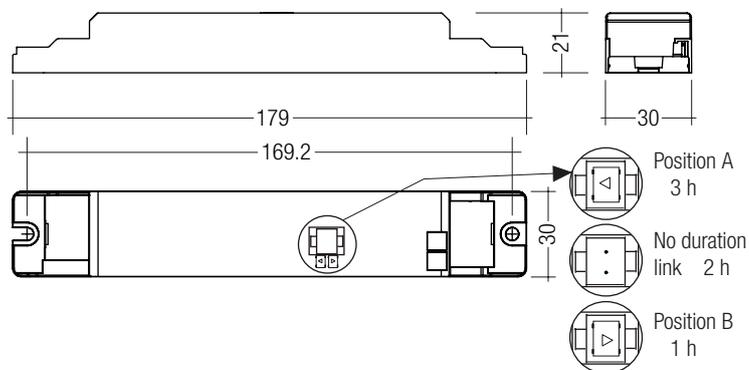
- Non maintained operation
- DALI interface for controlled testing and monitoring
- 1, 2 or 3 h rated duration
- Operating time selectable with plug (duration link)
- For 2 h operation: first test 120 min, all other tests 90 min, rated duration
- Compatible with all dimmable and non-dimmable constant current LED Driver (see data sheet, LED Driver compatibility)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Addressing function, patented (“EZ easy addressing”)
- Two-colour status display LED
- Electronic multi-level charge system
- Intermittent charge for NiMH batteries (pulse charge)
- “Rest mode” function
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Tests:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- D, Cs or LA cells
- 4-year design life
- 1-year guarantee



Note: Supply of control gear with duration link in 3 hours position. Duration link must be set before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Forward voltage range LED module	50 – 200 V
Output current	See data sheet
Starting time	< 0.25 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
U-OUT	250 V
Ambient temperature t_a	-25 ... +55 °C
Max. casing temperature t_c	75 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Rated duration of cells	Number of cells	Packaging carton	Packaging pallet	Weight per pc.
EM converterLED PRO 104 200V	89800312	1/2/3 h	4	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED PRO 105 200V	89800313	1/2/3 h	5	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED PRO 104 NiMH 200V	89800330	1/2/3 h	4	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED PRO 105 NiMH 200V	89800331	1/2/3 h	5	10 pc(s).	800 pc(s).	0.08 kg

→ For product data sheet go to www.tridonic.com,
or available on request



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For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Rated duration	Typ. λ (at 230 V, 50 Hz)	Typ. output power	Mains current in charging operation			Mains power in charging operation		
				Initial charge	Fast recharge	Trickle charge ¹⁾	Initial charge	Fast recharge	Trickle charge ¹⁾
EM converterLED PRO 104 200V	1 h	0.45c	4.25 W	20 mA	25 mA	17 mA	3.0 W	3.0 W	1.7 W
EM converterLED PRO 104 200V	2 h	0.50c	4.25 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED PRO 104 200V	3 h	0.50c	4.25 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED PRO 105 200V	1 h	0.45c	5.40 W	20 mA	25 mA	17 mA	3.0 W	3.5 W	1.7 W
EM converterLED PRO 105 200V	2 h	0.50c	5.40 W	30 mA	35 mA	20 mA	4.5 W	4.8 W	2.5 W
EM converterLED PRO 105 200V	3 h	0.50c	5.40 W	30 mA	35 mA	20 mA	4.5 W	4.8 W	2.5 W
EM converterLED PRO 104 NiMH 200V	1 h	0.45c	4.25 W	27 mA	30 mA	24 / 22 mA	2.3 W	2.9 W	1.8 / 1.5 W
EM converterLED PRO 104 NiMH 200V	2 h	0.50c	4.25 W	33 mA	35 mA	27 / 22 mA	3.9 W	4.2 W	2.3 / 1.5 W
EM converterLED PRO 104 NiMH 200V	3 h	0.50c	4.25 W	33 mA	35 mA	27 / 22 mA	3.9 W	4.2 W	2.3 / 1.5 W
EM converterLED PRO 105 NiMH 200V	1 h	0.45c	5.40 W	28 mA	31 mA	24 / 23 mA	2.5 W	3.3 W	1.8 / 1.5 W
EM converterLED PRO 105 NiMH 200V	2 h	0.50c	5.40 W	36 mA	38 mA	28 / 23 mA	4.4 W	4.8 W	2.5 / 1.5 W
EM converterLED PRO 105 NiMH 200V	3 h	0.50c	5.40 W	36 mA	38 mA	28 / 23 mA	4.4 W	4.8 W	2.5 / 1.5 W

¹⁾ In case of 2 values: Intermittent charge is used. Value 1 is for 4 min. charge on / Value 2 is for 16 min. charge off.

RoHS

ACCES-
SORIES

Test switch EM3



Product description

- For connection to the emergency lighting unit
- For checking the device function
- Plug connection

Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 3	89899956	25 pc(s).	200 pc(s).	0.013 kg

RoHS

ACCES-
SORIES

Status indication bi-colour LED EM CON



Product description

- Two-colour status display LED
- Green: system OK, red: fault
- Plug connection

Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM bi-colour, 1.0 m CON	89800273	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour, high brightness HO 1.0 m CON	89800275	25 pc(s).	200 pc(s).	0.015 kg
LED EM 2-colour, 0.6 m CON	89800474	25 pc(s).	200 pc(s).	0.005 kg
LED EM 2-colour, high brightness HO 0.6 m CON	89800475	25 pc(s).	200 pc(s).	0.005 kg
LED EM bi-colour, 0.3 m CON	89800274	25 pc(s).	200 pc(s).	0.005 kg
LED EM bi-colour, high brightness HO 0.3 m CON	89800276	25 pc(s).	200 pc(s).	0.005 kg

RoHS

ACCESSORIES

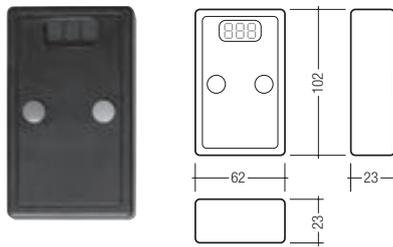
Addressing tool

Product description

- Provides simple addressing for all PRO units
- Uses the bi-colour LED for device identification

Properties

- Takes standard 9 V battery
- Easy two button operation
- Belt clip
- Auto power off to conserve battery
- Bright 7 segment LED display



Ordering data

Type	Article number	Packaging carton	Weight per pc.
EM PRO addressing tool	89899836	1 pc(s).	0.08 kg



EM powerLED NM BASIC 1 W

Combined emergency lighting LED Driver 1 W

Product description

- Emergency lighting LED Driver for manual testing
- SELV for output voltage < 60 V DC
- Low profile casing (21 x 30 mm cross-section)
- 5-year guarantee

Properties

- Non maintained operation
- Constant current mode
- With either screw or clip fastening (clip-fix)
- 3 h rated duration
- Green charge status display LED
- Electronic charge system
- SELV classified (outputs powerLED, battery, status LED, test switch)
- Polarity reversal protection for battery
- Deep discharge protection
- Very low energy consumption from the battery after activation of the deep discharge protection
- Short-circuit-proof battery connection
- Emergency lighting LEDs available
- Optional test switch

Batteries

- High-temperature cells
 - NiCd or NiMH batteries
 - Cs cells
 - 4-year design life
 - 1-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



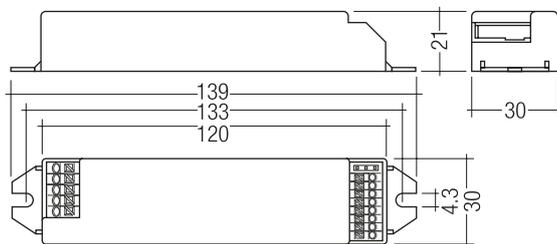
Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet

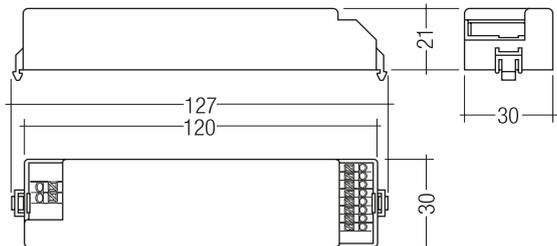


Screw-fix

Clip-fix



Screw-fix



Clip-fix

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Forward voltage range LED module	2.8 – 3.4 V
Mains current	15 mA
Mains power in charging operation	1.3 W
LED current in emergency operation	320 mA
Starting time	0.43 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Battery charging time	24 h
Charge current	120 mA
Battery discharge current	See data sheet
Number of cells	3
Max. casing temperature t _c	70 °C
Ambient temperature t _a	0 ... +60 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Watt-age	Max. number of LEDs	Packaging carton	Packaging pallet	Weight per pc.
Screw fastening version						
EM powerLED NM 1W BASIC	89800112	1 W	1	25 pc(s).	600 pc(s).	0.05 kg
Clip fastening version						
EM powerLED NM 1W BASIC	89800111	1 W	1	25 pc(s).	600 pc(s).	0.05 kg

RoHS

ACCES-
SORIES

Test switch EM2



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 2	89805277	25 pc(s).	600 pc(s).	0.009 kg

RoHS

ACCES-
SORIES

Status indication green LED EM



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM green	89899605	25 pc(s).	200 pc(s).	0.011 kg
LED EM green, ultra high brightness	89899756	25 pc(s).	200 pc(s).	0.012 kg



EM powerLED BASIC 1 – 2 W

Combined emergency lighting LED Driver 1 – 4 W

Product description

- Emergency lighting LED Driver for manual testing
- SELV for output voltage < 60 V DC
- Low profile casing (21 x 30 mm cross-section)
- 5-year guarantee

Properties

- Mains and emergency operation
- Constant current mode
- With either screw or clip fastening (clip-fix)
- 1, 2 or 3 h rated duration
- Selectable operating time (jumper)
- Green charge status display LED
- Output power limitation
- Automatic restart after LED replacement
- Electronic multi-level charge system
- SELV classified (outputs powerLED, battery, status LED, test switch)
- Polarity reversal protection for battery
- Deep discharge protection
- Very low energy consumption from the battery after activation of the deep discharge protection
- Short-circuit-proof battery connection
- Emergency lighting LEDs available

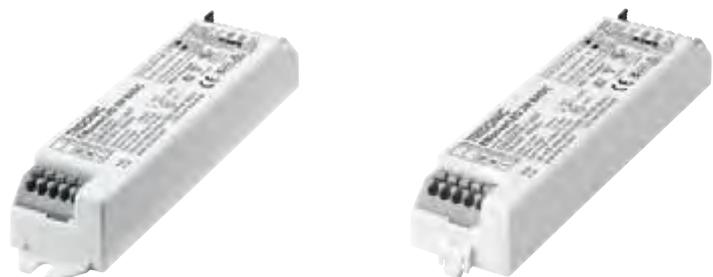
Batteries

- High-temperature cells 2 Ah
 - NiMH batteries
 - Cs cells
 - 4-year design life
 - 1-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



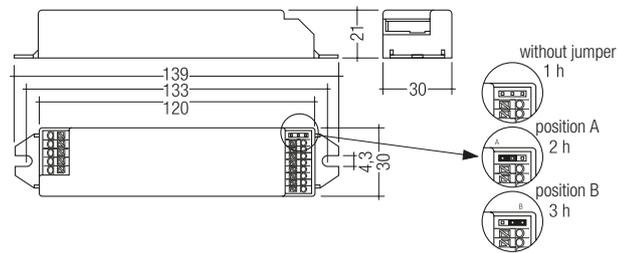
Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet

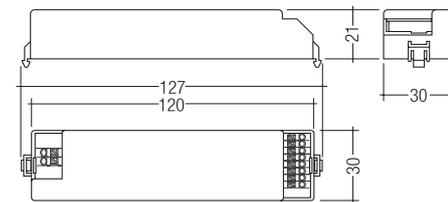


Screw-fix

Clip-fix



Screw-fix



Clip-fix

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Forward voltage range LED module (1 x LED)	2.8 – 3.4 V
Forward voltage range LED module (2 x LED)	5.6 – 6.8 V
Max. open circuit voltage	10 V
Mains current, 1 W device	30 mA
Mains current, 2 W device	40 mA
Power in mains operation, 1 W device	3.5 W
Power in mains operation, 2 W device	5 W
Starting time	0.31 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Battery discharge current	See data sheet
Max. casing temperature t_c	70 °C
Ambient temperature t_a	-25 ... +50 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Watt-age	Max. number of LEDs	Packaging carton	Packaging pallet	Weight per pc.
Screw fastening version						
EM powerLED 1 W BASIC SCREW-FIX	89899858	1 W	1	25 pc(s).	1,200 pc(s).	0.056 kg
EM powerLED 2 W BASIC SCREW-FIX	89899859	2 W	2	25 pc(s).	1,200 pc(s).	0.056 kg
Clip fastening version						
EM powerLED 1 W BASIC CLIP-FIX	89899865	1 W	1	25 pc(s).	1,200 pc(s).	0.056 kg
EM powerLED 2 W BASIC CLIP-FIX	89899866	2 W	2	25 pc(s).	1,200 pc(s).	0.056 kg

Specific technical data

Type	Rated duration	Typ. λ (at 230 V, 50 Hz) ¹⁾	Mains current in charging operation			Mains power in charging operation		
			Initial charge ²⁾	Fast recharge ²⁾	Trickle charge ¹⁾	Initial charge ²⁾	Fast recharge ²⁾	Trickle charge ²⁾
EM powerLED 1 W BASIC SCREW-FIX	1 h	0.52	15.4 mA	17.9 mA	13.9 mA	1.3 W	1.6 W	1.1 W
EM powerLED 1 W BASIC SCREW-FIX	2 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 1 W BASIC SCREW-FIX	3 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W BASIC SCREW-FIX	1 h	0.55	14.3 mA	17.3 mA	11.7 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W BASIC SCREW-FIX	2 h	0.55	15.7 mA	20.4 mA	12.8 mA	1.4 W	2.0 W	0.9 W
EM powerLED 2 W BASIC SCREW-FIX	3 h	0.55	18.4 mA	23.3 mA	14.5 mA	1.7 W	2.4 W	1.2 W
EM powerLED 1 W BASIC CLIP-FIX	1 h	0.52	15.4 mA	17.9 mA	13.9 mA	1.3 W	1.6 W	1.1 W
EM powerLED 1 W BASIC CLIP-FIX	2 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 1 W BASIC CLIP-FIX	3 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W BASIC CLIP-FIX	1 h	0.55	14.3 mA	17.3 mA	11.7 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W BASIC CLIP-FIX	2 h	0.55	15.7 mA	20.4 mA	12.8 mA	1.4 W	2.0 W	0.9 W
EM powerLED 2 W BASIC CLIP-FIX	3 h	0.55	18.4 mA	23.3 mA	14.5 mA	1.7 W	2.4 W	1.2 W

¹⁾ Maintained operation

²⁾ Non-maintained operation

RoHS

ACCES-
SORIES

Test switch EM2



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 2	89805277	25 pc(s).	600 pc(s).	0.009 kg

Product description

- For connection to the emergency lighting unit
- For checking the device function

RoHS

ACCES-
SORIES

Status indication green LED EM



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM green	89899605	25 pc(s).	200 pc(s).	0.011 kg
LED EM green, ultra high brightness	89899756	25 pc(s).	200 pc(s).	0.012 kg

Product description

- A green LED indicates that charging current is flowing into the battery



EM powerLED SELFTEST 1 – 2 W

Combined emergency lighting LED Driver 1 – 4 W

Product description

- Emergency lighting LED Driver with selftest function
- SELV for output voltage < 60 V DC
- Low profile casing (21 x 30 mm)
- 5-year guarantee

Properties

- Mains and emergency operation
- Self-test as per IEC 62034
- Constant current mode
- With either screw or clip fastening (clip-fix)
- 1, 2 or 3 h rated duration
- Selectable operating time (jumper)
- Output power limitation
- Two-colour status display LED
- "Rest mode" function
- Simple set-up
- Automatic restart after LED replacement
- Electronic multi-level charge system
- SELV classified (Outputs powerLED, battery, status LED, test switch)
- Polarity reversal protection for battery
- Deep discharge protection
- Very low energy consumption from the battery after activation of the deep discharge protection
- Short-circuit-proof battery connection
- Emergency lighting LEDs available

Self-test:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

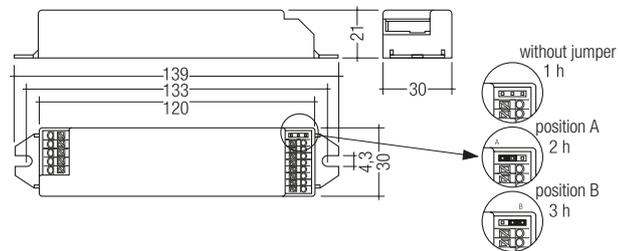
Batteries

- High-temperature cells 2 Ah
- NiMH batteries
- Cs cells
- 4-year design life
- 1-year guarantee

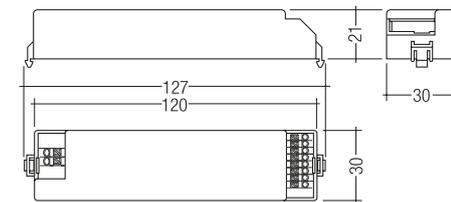


Screw-fix

Clip-fix



Screw-fix



Clip-fix

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Forward voltage range LED module (1 x LED)	2.8 – 3.4 V
Forward voltage range LED module (2 x LED)	5.6 – 6.8 V
Max. open circuit voltage	10 V
Mains current, 1 W device	30 mA
Mains current, 2 W device	40 mA
Power in mains operation, 1 W device	3.5 W
Power in mains operation, 2 W device	5 W
Starting time	0.31 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Battery discharge current	See data sheet
Max. casing temperature tc	70 °C
Ambient temperature ta	-25 ... +50 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Watt- age	Max. number of LEDs	Packaging carton	Packaging pallet	Weight per pc.
Screw fastening version						
EM powerLED 1 W ST SCREW-FIX	89899860	1.2 W	1	25 pc(s).	1,200 pc(s).	0.056 kg
EM powerLED 2 W ST SCREW-FIX	89899861	2.0 W	2	25 pc(s).	1,200 pc(s).	0.056 kg
Clip fastening version						
EM powerLED 1 W ST CLIP-FIX	89899867	1.2 W	1	25 pc(s).	1,200 pc(s).	0.056 kg
EM powerLED 2 W ST CLIP-FIX	89899868	2.0 W	2	25 pc(s).	1,200 pc(s).	0.056 kg

→ For product data sheet go to www.tridonic.com,
or available on request



Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Rated duration	Typ. λ (at 230 V, 50 Hz) ¹⁾	Mains current in charging operation			Mains power in charging operation		
			Initial charge ¹⁾	Fast recharge ¹⁾	Trickle charge ¹⁾	Initial charge ²⁾	Fast recharge ²⁾	Trickle charge ²⁾
EM powerLED 1 W ST SCREW-FIX	1 h	0.52	15.4 mA	17.9 mA	13.9 mA	1.3 W	1.6 W	1.1 W
EM powerLED 1 W ST SCREW-FIX	2 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 1 W ST SCREW-FIX	3 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W ST SCREW-FIX	1 h	0.55	14.3 mA	17.3 mA	11.7 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W ST SCREW-FIX	2 h	0.55	15.7 mA	20.4 mA	12.8 mA	1.4 W	2.0 W	0.9 W
EM powerLED 2 W ST SCREW-FIX	3 h	0.55	18.4 mA	23.3 mA	14.5 mA	1.7 W	2.4 W	1.2 W
EM powerLED 1 W ST CLIP-FIX	1 h	0.52	15.4 mA	17.9 mA	13.9 mA	1.3 W	1.6 W	1.1 W
EM powerLED 1 W ST CLIP-FIX	2 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 1 W ST CLIP-FIX	3 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W ST CLIP-FIX	1 h	0.55	14.3 mA	17.3 mA	11.7 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W ST CLIP-FIX	2 h	0.55	15.7 mA	20.4 mA	12.8 mA	1.4 W	2.0 W	0.9 W
EM powerLED 2 W ST CLIP-FIX	3 h	0.55	18.4 mA	23.3 mA	14.5 mA	1.7 W	2.4 W	1.2 W

¹⁾ Maintained operation

²⁾ Non-maintained operation

RoHS

ACCES-
SORIES

Test switch EM2

Product description

- For connection to the emergency lighting unit
- For checking the device function



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 2	89805277	25 pc(s).	600 pc(s).	0.009 kg

RoHS

ACCES-
SORIES

Status indication bi-colour LED EM

Product description

- Two-colour status display LED
- Green: system OK, red: fault



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM bi-colour	89899720	25 pc(s).	200 pc(s).	0.017 kg
LED EM bi-colour, high brightness	89899753	25 pc(s).	200 pc(s).	0.013 kg



EM powerLED PRO EZ-3, 1 – 2 W

Combined emergency lighting LED Driver 1 – 4 W

Product description

- Emergency lighting LED Driver with DALI interface and automatic test function
- SELV for output voltage < 60 V DC
- Low profile casing (21 x 30 mm cross-section)
- 5-year guarantee

Properties

- Mains and emergency operation
- DALI interface for controlled testing and monitoring
- DALI switchable in mains operation (on/off); the switched phase SL must be switched on
- Constant current mode
- With either screw or clip fastening (clip-fix)
- 1, 2 or 3 h rated duration
- Selectable operating time (jumper)
- Output power limitation
- Two-colour status display LED
- Automatic restart after LED replacement
- Electronic multi-level charge system
- SELV classified (outputs powerLED, battery, status LED, test switch)
- Polarity reversal protection for battery
- Deep discharge protection
- Very low energy consumption from the battery after activation of the deep discharge protection
- Short-circuit-proof battery connection
- Addressing function, patented (“EZ easy addressing”)
- Emergency lighting LEDs available

Tests:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

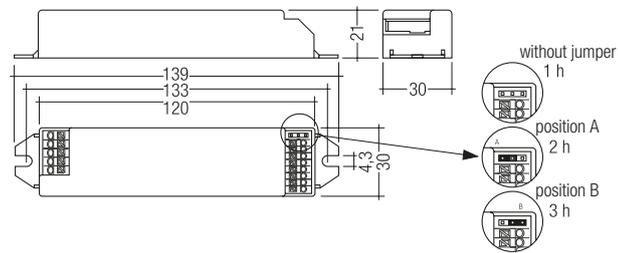
Batteries

- High-temperature cells 2 Ah
- NiMH batteries
- Cs cells
- 4-year design life
- 1-year guarantee

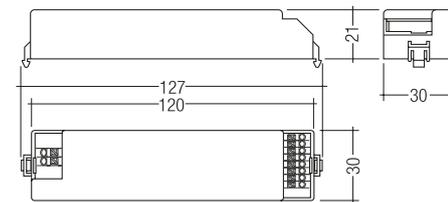


Screw-fix

Clip-fix



Screw-fix



Clip-fix

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Forward voltage range LED module (1 x LED)	2.8 – 3.4 V
Forward voltage range LED module (2 x LED)	5.6 – 6.8 V
Max. open circuit voltage	10 V
Mains current, 1 W device	30 mA
Mains current, 2 W device	40 mA
Power in mains operation, 1 W device	3.5 W
Power in mains operation, 2 W device	5 W
Starting time	0.31 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Battery discharge current	See data sheet
Max. casing temperature t_c	70 °C
Ambient temperature t_a	-25 ... +50 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Watt- age	Max. number of LEDs	Packaging carton	Packaging pallet	Weight per pc.
Screw fastening version						
EM powerLED 1 W EZ-3 SCREW-FIX	89800029	1 W	1	25 pc(s).	1,200 pc(s).	0.056 kg
EM powerLED 2 W EZ-3 SCREW-FIX	89800030	2 W	2	25 pc(s).	1,200 pc(s).	0.056 kg
Clip fastening version						
EM powerLED 1 W EZ-3 CLIP-FIX	89800031	1 W	1	25 pc(s).	1,200 pc(s).	0.056 kg
EM powerLED 2 W EZ-3 CLIP-FIX	89800032	2 W	2	25 pc(s).	1,200 pc(s).	0.056 kg

→ For product data sheet go to www.tridonic.com,
or available on request



Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Rated duration	Typ. λ (at 230 V, 50 Hz) ¹⁾	Mains current in charging operation			Mains power in charging operation		
			Initial charge ¹⁾	Fast recharge ¹⁾	Trickle charge ¹⁾	Initial charge ²⁾	Fast recharge ²⁾	Trickle charge ²⁾
EM powerLED 1 W PRO EZ-3 SCREW-FIX	1 h	0.52	15.4 mA	17.9 mA	13.9 mA	1.3 W	1.6 W	1.1 W
EM powerLED 1 W PRO EZ-3 SCREW-FIX	2 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 1 W PRO EZ-3 SCREW-FIX	3 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W PRO EZ-3 SCREW-FIX	1 h	0.55	14.3 mA	17.3 mA	11.7 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W PRO EZ-3 SCREW-FIX	2 h	0.55	15.7 mA	20.4 mA	12.8 mA	1.4 W	2.0 W	0.9 W
EM powerLED 2 W PRO EZ-3 SCREW-FIX	3 h	0.55	18.4 mA	23.3 mA	14.5 mA	1.7 W	2.4 W	1.2 W
EM powerLED 1 W PRO EZ-3 CLIP-FIX	1 h	0.52c	15.4 mA	17.9 mA	13.9 mA	1.3 W	1.6 W	1.1 W
EM powerLED 1 W PRO EZ-3 CLIP-FIX	2 h	0.52c	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 1 W PRO EZ-3 CLIP-FIX	3 h	0.52c	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W PRO EZ-3 CLIP-FIX	1 h	0.55	14.3 mA	17.3 mA	11.7 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W PRO EZ-3 CLIP-FIX	2 h	0.55	15.7 mA	20.4 mA	12.8 mA	1.4 W	2.0 W	0.9 W
EM powerLED 2 W PRO EZ-3 CLIP-FIX	3 h	0.55	18.4 mA	23.3 mA	14.5 mA	1.7 W	2.4 W	1.2 W

¹⁾ Maintained operation

²⁾ Non-maintained operation

RoHS

ACCES-
SORIES

Test switch EM2



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 2	89805277	25 pc(s).	600 pc(s).	0.009 kg

RoHS

ACCES-
SORIES

Status indication bi-colour LED EM



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM bi-colour	89899720	25 pc(s).	200 pc(s).	0.017 kg
LED EM bi-colour, high brightness	89899753	25 pc(s).	200 pc(s).	0.013 kg

RoHS

ACCES-
SORIES

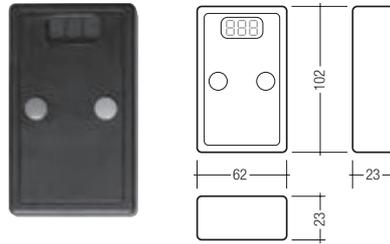
Addressing tool

Product description

- Provides simple addressing for all PRO units
- Uses the bi-colour LED for device identification

Properties

- Takes standard 9 V battery
- Easy two button operation
- Belt clip
- Auto power off to conserve battery
- Bright 7 segment LED display



Ordering data

Type	Article number	Packaging carton	Weight per pc.
EM PRO addressing tool	89899836	1 pc(s).	0.08 kg



EM powerLED BASIC 4 W

Combined emergency lighting LED Driver 1 – 4 W

Product description

- Emergency lighting LED Driver for manual testing
- SELV for output voltage < 60 V DC
- Low profile casing (21 x 30 mm cross-section)

Properties

- Non maintained operation
- Constant current mode
- With either screw or clip fastening (clip-fix)
- 1, 2 or 3 h rated duration
- Selectable operating time (jumper)
- Green charge status display LED
- Output power limitation
- Automatic restart after LED replacement
- Electronic multi-level charge system
- SELV classified (outputs powerLED, battery, status LED, test switch)
- Polarity reversal protection for battery
- Deep discharge protection
- Very low energy consumption from the battery after activation of the deep discharge protection
- Short-circuit-proof battery connection
- Emergency lighting LEDs available

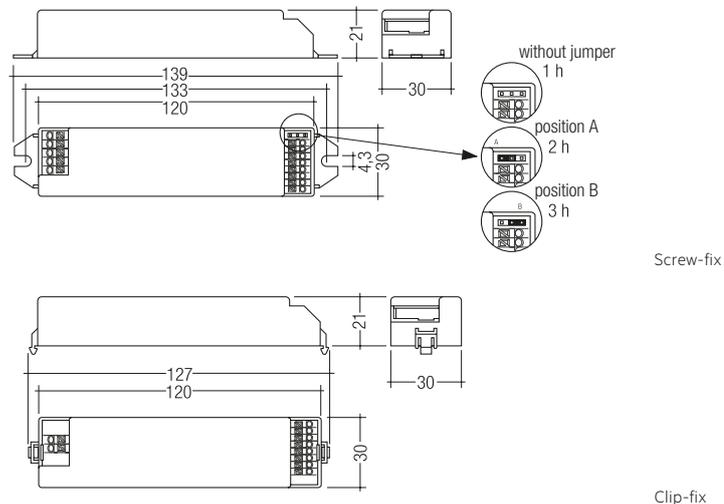
Batteries

- High-temperature cells
 - NiCd or NiMH batteries
- For product data sheet go to www.tridonic.com, or available on request



Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet



Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Forward voltage range LED module (1 x LED)	2.8 – 3.4 V
Forward voltage range LED module (2 x LED)	5.6 – 6.8 V
Max. open circuit voltage	10 V
LED current in emergency operation (1 x LED)	1,000 mA
LED current in emergency operation (2 x LED)	700 mA
Typ. output power (1 x LED)	3.4 W
Typ. output power (2 x LED)	4.5 W
Starting time	0.23 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Battery discharge current	See data sheet
Max. casing temperature tc	70 °C
Ambient temperature ta	-25 ... +45 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Watt-age	Max. number of LEDs	Packaging carton	Packaging pallet	Weight per pc.
Screw fastening version						
EM powerLED 4 W BASIC SCREW-FIX	89800122	4 W	2	25 pc(s).	1,200 pc(s).	0.068 kg
EM powerLED 2 W BASIC NiMH SCREW-FIX	89800444	4 W	2	25 pc(s).	1,200 pc(s).	0.068 kg
Clip fastening version						
EM powerLED 2 W BASIC CLIP-FIX	89800121	4 W	2	25 pc(s).	1,200 pc(s).	0.068 kg

Specific technical data

Type	Rated duration	Typ. λ (at 230 V, 50 Hz)	Mains current in charging operation			Mains power in charging operation		
			Initial charge	Fast recharge	Trickle charge ¹⁾	Initial charge	Fast recharge	Trickle charge ¹⁾
EM powerLED 4 W BASIC SCREW-FIX	1 h	0.34	21.0 mA	27.5 mA	15.2 mA	2.0 W	3.0 W	1.2 W
EM powerLED 4 W BASIC SCREW-FIX	2 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W
EM powerLED 4 W BASIC SCREW-FIX	3 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W
EM powerLED 4 W BASIC NiMH SCREW-FIX	1 h	0.34	19.0 mA	24.0 mA	13.0 mA	1.7 W	2.4 W	1.0 W
EM powerLED 4 W BASIC NiMH SCREW-FIX	2 h	0.34	30.0 mA	32.0 mA	13.0 mA	3.1 W	3.3 W	1.1 W
EM powerLED 4 W BASIC NiMH SCREW-FIX	3 h	0.34	30.0 mA	32.0 mA	13.0 mA	3.1 W	3.3 W	1.1 W
EM powerLED 4 W BASIC CLIP-FIX	1 h	0.34	21.0 mA	27.5 mA	15.2 mA	2.0 W	3.0 W	1.2 W
EM powerLED 4 W BASIC CLIP-FIX	2 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W
EM powerLED 4 W BASIC CLIP-FIX	3 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W

¹⁾ For EM powerLED 4 W NiMH: average over 20 min. (4 min. charge / 16 min. off)

RoHS

ACCES-
SORIES

Test switch EM2

Product description

- For connection to the emergency lighting unit
- For checking the device function



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 2	89805277	25 pc(s).	600 pc(s).	0.009 kg

RoHS

ACCES-
SORIES

Status indication green LED EM

Product description

- A green LED indicates that charging current is flowing into the battery



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM green	89899605	25 pc(s).	200 pc(s).	0.011 kg
LED EM green, ultra high brightness	89899756	25 pc(s).	200 pc(s).	0.012 kg



EM powerLED SELFTEST 4 W

Combined emergency lighting LED Driver 1 – 4 W

Product description

- Emergency lighting LED Driver with selftest function
- SELV for output voltage < 60 V DC
- Low profile casing (21 x 30 mm cross-section)

Properties

- Non maintained operation
- Self-test as per IEC 62034
- Constant current mode
- 1, 2 or 3 h rated duration
- Selectable operating time (jumper)
- Output power limitation
- Two-colour status display LED
- "Rest mode" function
- Simple set-up
- Automatic restart after LED replacement
- Electronic multi-level charge system
- SELV classified (outputs powerLED, battery, status LED, test switch)
- Polarity reversal protection for battery
- Deep discharge protection
- Very low energy consumption from the battery after activation of the deep discharge protection
- Short-circuit-proof battery connection
- Emergency lighting LEDs available

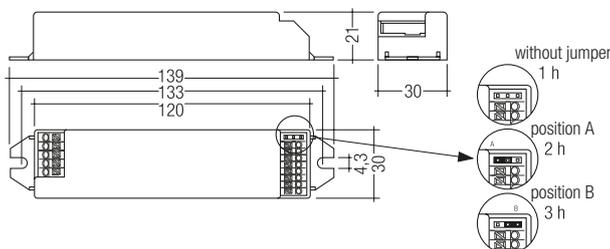
Self-test:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries

- High-temperature cells
- NiCd or NiMH batteries

→ For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Forward voltage range LED module (1 x LED)	2.8 – 3.4 V
Forward voltage range LED module (2 x LED)	5.6 – 6.8 V
Max. open circuit voltage	10 V
LED current in emergency operation (1 x LED)	1,000 mA
LED current in emergency operation (2 x LED)	700 mA
Typ. output power (1 x LED)	3.4 W
Typ. output power (2 x LED)	4.5 W
Starting time	0.23 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Battery discharge current	See data sheet
Max. casing temperature t_c	70 °C
Ambient temperature t_a	-25 ... +45 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20
Rest mode max. number of emergency units	100
Rest mode max. wiring distance	1,000 m
Functional test	Weekly 5s test
Service life test	Yearly 1 h / 2 h / 3 h test

Ordering data

Type	Article number	Wattage	Max. number of LEDs	Packaging carton	Packaging pallet	Weight per pc.
EM powerLED 4 W ST SCREW-FIX	89800124	4 W	2	25 pc(s).	1,200 pc(s).	0.068 kg
EM powerLED 2 W ST NiMH SCREW-FIX	89800445	4 W	2	25 pc(s).	1,200 pc(s).	0.068 kg

Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Rated duration	Typ. λ (at 230 V, 50 Hz)	Mains current in charging operation			Mains power in charging operation		
			Initial charge	Fast recharge	Trickle charge ¹⁾	Initial charge	Fast recharge	Trickle charge ¹⁾
EM powerLED 4 W ST SCREW-FIX	1 h	0.34	21.0 mA	27.5 mA	15.2 mA	2.0 W	3.0 W	1.2 W
EM powerLED 4 W ST SCREW-FIX	2 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W
EM powerLED 4 W ST SCREW-FIX	3 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W
EM powerLED 4 W ST NiMH SCREW-FIX	1 h	0.34	19.0 mA	24.0 mA	13.0 mA	1.7 W	2.4 W	1.0 W
EM powerLED 4 W ST NiMH SCREW-FIX	2 h	0.34	30.0 mA	32.0 mA	13.0 mA	3.1 W	3.3 W	1.1 W
EM powerLED 4 W ST NiMH SCREW-FIX	3 h	0.34	30.0 mA	32.0 mA	13.0 mA	3.1 W	3.3 W	1.1 W

¹⁾ For EM powerLED 4 W NiMH: average over 20 min. (4 min. charge / 16 min. off)

RoHS

ACCES-
SORIES

Test switch EM2

Product description

- For connection to the emergency lighting unit
- For checking the device function



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 2	89805277	25 pc(s).	600 pc(s).	0.009 kg

RoHS

ACCES-
SORIES

Status indication bi-colour LED EM

Product description

- Two-colour status display LED
- Green: system OK, red: fault



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM bi-colour	89899720	25 pc(s).	200 pc(s).	0.017 kg
LED EM bi-colour, high brightness	89899753	25 pc(s).	200 pc(s).	0.013 kg



EM powerLED PRO EZ-3, 4 W

Combined emergency lighting LED Driver 1 – 4 W

Product description

- Emergency lighting LED Driver with DALI interface and automatic test function
- SELV for output voltage < 60 V DC
- Low profile casing (21 x 30 mm cross-section)

Properties

- Non maintained operation
- DALI interface for controlled testing and monitoring
- Constant current mode
- 1, 2 or 3 h rated duration
- Selectable operating time (jumper)
- Output power limitation
- Two-colour status display LED
- Automatic restart after LED replacement
- Electronic multi-level charge system
- SELV classified (outputs powerLED, battery, status LED, test switch)
- Polarity reversal protection for battery
- Deep discharge protection
- Very low energy consumption from the battery after activation of the deep discharge protection
- Short-circuit-proof battery connection
- Addressing function, patented (“EZ easy addressing”)
- Emergency lighting LEDs available

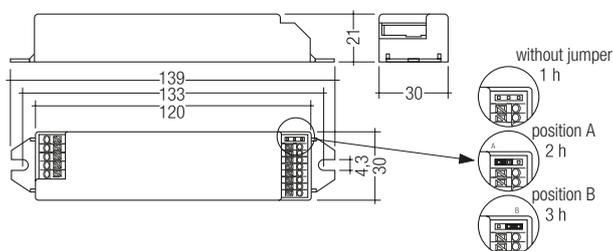
Tests:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries

- High-temperature cells
- NiCd or NiMH batteries

→ For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Forward voltage range LED module (1 x LED)	2.8 – 3.4 V
Forward voltage range LED module (2 x LED)	5.6 – 6.8 V
Max. open circuit voltage	10 V
LED current in emergency operation (1 x LED)	1,000 mA
LED current in emergency operation (2 x LED)	700 mA
Typ. output power (1 x LED)	3.4 W
Typ. output power (2 x LED)	4.5 W
Starting time	0.23 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Battery discharge current	See data sheet
Max. casing temperature t_c	70 °C
Ambient temperature t_a	-25 ... +45 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Watt-age	Max. number of LEDs	Packaging carton	Packaging pallet	Weight per pc.
EM powerLED 4 W PRO EZ-3 SCREW-FIX	89800126	4 W	2	25 pc(s).	1,200 pc(s).	0.068 kg
EM powerLED 4 W PRO NiMH SCREW-FIX	89800446	4 W	2	25 pc(s).	1,200 pc(s).	0.068 kg

Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Rated duration	Typ. λ (at 230 V, 50 Hz)	Mains current in charging operation			Mains power in charging operation		
			Initial charge	Fast recharge	Trickle charge ¹⁾	Initial charge	Fast recharge	Trickle charge ¹⁾
EM powerLED 4 W PRO EZ-3 SCREW-FIX	1 h	0.34	21.0 mA	27.5 mA	15.2 mA	2.0 W	3.0 W	1.2 W
EM powerLED 4 W PRO EZ-3 SCREW-FIX	2 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W
EM powerLED 4 W PRO EZ-3 SCREW-FIX	3 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W
EM powerLED 4 W PRO NiMH SCREW-FIX	1 h	0.34	19.0 mA	24.0 mA	13.0 mA	1.7 W	2.4 W	1.0 W
EM powerLED 4 W PRO NiMH SCREW-FIX	2 h	0.34	30.0 mA	32.0 mA	13.0 mA	3.1 W	3.3 W	1.1 W
EM powerLED 4 W PRO NiMH SCREW-FIX	3 h	0.34	30.0 mA	32.0 mA	13.0 mA	3.1 W	3.3 W	1.1 W

¹⁾ For EM powerLED 4 W NiMH: average over 20 min. (4 min. charge / 16 min. off)

RoHS

ACCES-
SORIES

Test switch EM2

Product description

- For connection to the emergency lighting unit
- For checking the device function



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 2	89805277	25 pc(s).	600 pc(s).	0.009 kg

RoHS

ACCES-
SORIES

Status indication bi-colour LED EM

Product description

- Two-colour status display LED
- Green: system OK, red: fault



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM bi-colour	89899720	25 pc(s).	200 pc(s).	0.017 kg
LED EM bi-colour, high brightness	89899753	25 pc(s).	200 pc(s).	0.013 kg

RoHS

ACCES-
SORIES

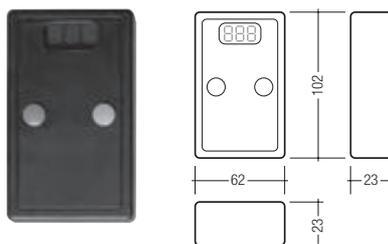
Addressing tool

Product description

- Provides simple addressing for all PRO units
- Uses the bi-colour LED for device identification

Properties

- Takes standard 9 V battery
- Easy two button operation
- Belt clip
- Auto power off to conserve battery
- Bright 7 segment LED display



Ordering data

Type	Article number	Packaging carton	Weight per pc.
EM PRO addressing tool	89899836	1 pc(s).	0.08 kg



EM powerLED BASIC FX 80 W

Combined emergency lighting LED Driver

Product description

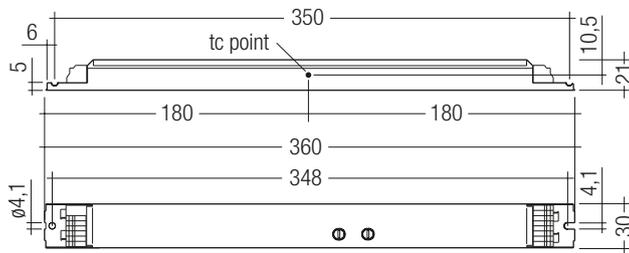
- Fixed output LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF)
- Emergency lighting function for use with single batteries for manual testing
- For LED modules with a forward voltage of 50 – 230 V in normal operation
- For LED modules with a forward voltage of 50 – 200 V in emergency operation
- For luminaire installation
- Low profile casing (21 x 30 mm cross-section)
- 5-year guarantee

Properties

- 25 – 80 W output power
- Constant current LED operation
- 150 – 500 mA output current in mains operation selectable with I-SELECT PLUG in steps of 25 mA
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- Integrated emergency lighting unit
- 1 or 3 h rated duration selectable with plug (duration link)
- Standard or High output selectable with plug (output link)
- Automatic shutdown of output if LED load is out of range
- Green charge status display LED
- Electronic charge system
- Polarity reversal protection for battery
- Deep discharge protection
- Short-circuit-proof battery connection

Batteries

- High-temperature cells
 - NiCd or NiMH batteries
 - D, Cs or LA cells
 - 4-year design life
 - 1-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Supplied with duration link in 3 h pos. and standard/high output link in standard pos. Remove duration link for 1 h duration. Remove standard/high output link for high output config. Choose settings before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz, normal operation)	0.97
Typ. λ (at 230 V, 50 Hz, CF operation)	0.65
Leakage current (PE)	< 0.5 mA
Overvoltage protection	320 V (for 1 h)
Battery charging time	24 h
Max. open circuit voltage	250 V
Starting time	< 0.5 s from detection of emergency event
Typ. power consumption in charging	4 W
Output LF current ripple (< 120 Hz)	< 2 %
Output current tolerance	± 7 %
THD CF normal operation	< 10 %
THD CF operation	< 25 %
Ambient temperature $t_a > 65$ W	-5 ... +50 °C
Ambient temperature $t_a \leq 65$ W	-5 ... +55 °C
Max. casing temperature t_c	80 °C
Dimensions L x W x H	360 x 30 x 21 mm
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20
Charge current 1 h	100 mA
Charge current 3 h	200 mA
Discharge current 1 h	84.0 mA
Discharge current 3 h	84.0 mA

Ordering data

Type	Article number	Rated duration	Number of cells	Packaging carton	Packaging pallet	Weight per pc.
EM powerLED BASIC FX 104 LP 80W 200V	89800393	1/3 h	4/5	10 pc(s).	600 pc(s).	0.275 kg

Specific technical data

Type	Output current	Min. output voltage ¹⁾	Max. output voltage ¹⁾	Min. output power	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	Efficiency ²⁾	λ (at 230 V, 50 Hz, full load)	Ambient temperature ta ³⁾	tc/ta for ≥ 50,000 h ³⁾	I-select resistor value
Normal operation												
EM powerLED BASIC FX 104 LP 80W 200V	150 mA	168 V	230 V	25.0 W	34.50 W	40.0 W	200 mA	86 %	0.85	-5 ... +55 °C	78/55 °C	open
	175 mA	142 V	230 V	25.0 W	40.30 W	46.0 W	225 mA	90 %	0.90	-5 ... +55 °C	78/55 °C	64.90 kΩ
	200 mA	126 V	230 V	25.0 W	46.00 W	52.0 W	250 mA	92 %	0.90	-5 ... +55 °C	78/55 °C	56.00 kΩ
	225 mA	111 V	230 V	25.0 W	51.80 W	58.0 W	275 mA	93 %	0.90	-5 ... +55 °C	78/55 °C	48.70 kΩ
	250 mA	100 V	230 V	25.0 W	57.50 W	65.0 W	300 mA	93 %	0.95	-5 ... +55 °C	78/55 °C	43.20 kΩ
	275 mA	90 V	230 V	25.0 W	63.30 W	70.0 W	325 mA	93 %	0.97	-5 ... +55 °C	78/55 °C	36.50 kΩ
	300 mA	83 V	230 V	25.0 W	69.00 W	76.0 W	350 mA	93 %	0.97	-5 ... +50 °C	78/50 °C	32.40 kΩ
	325 mA	76 V	230 V	25.0 W	74.80 W	83.0 W	380 mA	94 %	0.97	-5 ... +50 °C	78/50 °C	28.70 kΩ
	350 mA	70 V	228 V	25.0 W	80.00 W	89.0 W	410 mA	92 %	0.97	-5 ... +50 °C	78/50 °C	22.00 kΩ
	375 mA	67 V	213 V	25.0 W	80.00 W	90.0 W	410 mA	92 %	0.97	-5 ... +50 °C	78/50 °C	17.80 kΩ
	400 mA	62 V	200 V	25.0 W	80.00 W	90.0 W	410 mA	92 %	0.97	-5 ... +50 °C	78/50 °C	15.00 kΩ
	425 mA	59 V	188 V	25.0 W	80.00 W	90.0 W	410 mA	92 %	0.97	-5 ... +50 °C	78/50 °C	12.10 kΩ
	450 mA	56 V	177 V	25.0 W	80.00 W	90.0 W	410 mA	92 %	0.97	-5 ... +50 °C	78/50 °C	9.30 kΩ
	475 mA	51 V	169 V	25.0 W	80.00 W	90.0 W	410 mA	92 %	0.97	-5 ... +50 °C	78/50 °C	6.49 kΩ
	500 mA	50 V	160 V	25.0 W	80.00 W	90.0 W	410 mA	89 %	0.97	-5 ... +50 °C	78/50 °C	short circuit (0 kΩ)
CF operation												
EM powerLED BASIC FX 104 LP 80W 200V	14 mA	-	-	2.4 W	3.00 W	8.5 W	85 mA	60 %	0.45	-	-	open
	17 mA	-	-	2.4 W	4.00 W	9.0 W	87 mA	67 %	0.50	-	-	64.90 kΩ
	19 mA	-	-	2.4 W	4.00 W	9.0 W	87 mA	67 %	0.50	-	-	56.00 kΩ
	23 mA	-	-	2.6 W	5.00 W	10.0 W	89 mA	71 %	0.50	-	-	48.70 kΩ
	23 mA	-	-	2.3 W	5.00 W	10.0 W	89 mA	71 %	0.50	-	-	43.20 kΩ
	28 mA	-	-	2.5 W	6.00 W	11.0 W	91 mA	75 %	0.55	-	-	36.50 kΩ
	28 mA	-	-	2.3 W	6.00 W	11.0 W	92 mA	75 %	0.55	-	-	32.40 kΩ
	32 mA	-	-	2.4 W	7.00 W	12.0 W	96 mA	78 %	0.60	-	-	28.70 kΩ
	32 mA	-	-	2.2 W	7.00 W	12.0 W	96 mA	78 %	0.60	-	-	22.00 kΩ
	36 mA	-	-	2.4 W	7.00 W	12.0 W	97 mA	74 %	0.60	-	-	17.80 kΩ
	42 mA	-	-	2.6 W	7.00 W	13.0 W	98 mA	70 %	0.60	-	-	15.00 kΩ
	42 mA	-	-	2.5 W	7.00 W	13.0 W	98 mA	70 %	0.60	-	-	12.10 kΩ
	45 mA	-	-	2.5 W	7.00 W	13.0 W	98 mA	70 %	0.60	-	-	9.30 kΩ
	46 mA	-	-	2.3 W	7.00 W	13.0 W	98 mA	70 %	0.60	-	-	6.49 kΩ
	50 mA	-	-	2.5 W	7.00 W	13.0 W	98 mA	70 %	0.65	-	-	short circuit (0 kΩ)
Emergency operation												
EM powerLED BASIC FX 104 LP 80W 200V	-	50 V	200 V	3.0 W	3.85 W	-	-	-	-	-	-	-
	-	50 V	200 V	3.8 W	4.90 W	-	-	-	-	-	-	-

¹⁾ Output voltage range defined in normal operation. LED forward voltage will decrease in CF operation.

²⁾ Efficiency without battery charging.

³⁾ Ambient temperature range ta defined in normal operation.

RoHS

ACCESSORIES

Test switch EM3



Product description

- For connection to the emergency lighting unit
- For checking the device function
- Plug connection

Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 3	89899956	25 pc(s).	200 pc(s).	0.01 kg

RoHS

ACCES-
SORIES

Status indication green LED EM

Product description

- A green LED indicates that charging current is flowing into the battery



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM green	89899605	25 pc(s).	200 pc(s).	0.011 kg
LED EM green, ultra high brightness	89899756	25 pc(s).	200 pc(s).	0.012 kg

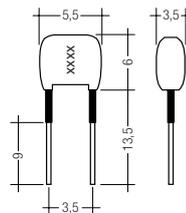
RoHS

ACCES-
SORIES

I-SELECT PLUG E

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance $\pm 1\%$



Ordering data

Type	Article number	Colour	Marking	Resistor value	Output current	Packaging bag	Weight per pc.
I-SELECT PLUG E	28000628	Green	64k9	64.90 k Ω	175 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000627	Green	56k	56.00 k Ω	450 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000626	Green	48k7	48.70 k Ω	500 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000625	Green	43k2	43.20 k Ω	550 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000624	Green	36k5	36.50 k Ω	600 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000623	Green	32k4	32.40 k Ω	300 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000622	Green	28k7	28.70 k Ω	650 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000621	Green	22k	22.00 k Ω	350 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000620	Green	17k8	17.80 k Ω	375 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000619	Green	15k	15.00 k Ω	400 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000618	Green	12k1	12.10 k Ω	425 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000617	Green	9k3	9.30 k Ω	1,000 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000616	Green	6k49	6.49 k Ω	1,100 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000612	Green	OR	0.00 k Ω	1,400 mA	10 pc(s).	0.001 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Min. output power	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	Efficiency	λ (at 230 V, 50 Hz, full load)	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
EM powerLED BASIC FX 103 C 50W 50V	300 mA	16.6 V	50.0 V	5.0 W	15.00 W	20.0 W	110 mA	74 %	0.80	-5 ... +55 °C	85/55 °C	open
	350 mA	16.6 V	50.0 V	5.8 W	17.50 W	22.0 W	120 mA	79 %	0.80	-5 ... +55 °C	85/55 °C	69.80 kΩ
	400 mA	16.6 V	50.0 V	6.6 W	20.00 W	25.0 W	130 mA	79 %	0.85	-5 ... +55 °C	85/55 °C	62.00 kΩ
	450 mA	16.6 V	50.0 V	7.5 W	22.50 W	27.0 W	140 mA	82 %	0.85	-5 ... +55 °C	85/55 °C	56.00 kΩ
	500 mA	16.6 V	50.0 V	8.3 W	25.00 W	31.0 W	150 mA	81 %	0.90	-5 ... +55 °C	85/55 °C	48.70 kΩ
	550 mA	16.6 V	50.0 V	9.1 W	27.50 W	34.0 W	165 mA	81 %	0.90	-5 ... +55 °C	85/55 °C	43.20 kΩ
	600 mA	16.6 V	50.0 V	10.0 W	30.00 W	36.0 W	175 mA	83 %	0.90	-5 ... +55 °C	85/55 °C	36.50 kΩ
	650 mA	16.6 V	50.0 V	10.8 W	32.50 W	40.0 W	185 mA	81 %	0.90	-5 ... +55 °C	85/55 °C	28.70 kΩ
	700 mA	16.6 V	50.0 V	11.6 W	35.00 W	44.0 W	200 mA	80 %	0.95	-5 ... +55 °C	85/55 °C	24.00 kΩ
	750 mA	16.6 V	50.0 V	12.5 W	37.50 W	46.0 W	210 mA	82 %	0.95	-5 ... +55 °C	85/55 °C	20.50 kΩ
	800 mA	16.6 V	50.0 V	13.3 W	40.00 W	49.0 W	225 mA	81 %	0.95	-5 ... +55 °C	85/55 °C	18.00 kΩ
	850 mA	16.6 V	50.0 V	14.1 W	42.50 W	52.0 W	235 mA	82 %	0.95	-5 ... +55 °C	85/55 °C	16.00 kΩ
	900 mA	16.6 V	50.0 V	15.0 W	45.00 W	55.0 W	250 mA	82 %	0.95	-5 ... +50 °C	85/50 °C	13.30 kΩ
	950 mA	15.7 V	50.0 V	15.0 W	47.50 W	58.0 W	265 mA	82 %	0.95	-5 ... +50 °C	85/50 °C	11.00 kΩ
	1,000 mA	15.0 V	50.0 V	15.0 W	50.00 W	61.0 W	275 mA	82 %	0.97	-5 ... +50 °C	85/50 °C	9.31 kΩ
	1,050 mA	15.0 V	47.6 V	15.0 W	50.00 W	60.0 W	280 mA	84 %	0.97	-5 ... +50 °C	85/50 °C	7.87 kΩ
	1,100 mA	15.0 V	45.5 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +50 °C	85/50 °C	6.49 kΩ
	1,150 mA	15.0 V	43.5 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +50 °C	85/50 °C	4.70 kΩ
	1,200 mA	15.0 V	41.7 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +50 °C	85/50 °C	3.83 kΩ
	1,250 mA	15.0 V	40.0 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +50 °C	85/50 °C	2.70 kΩ
1,300 mA	15.0 V	38.5 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +50 °C	85/50 °C	2.20 kΩ	
1,350 mA	15.0 V	37.0 V	15.0 W	50.00 W	61.0 W	280 mA	87 %	0.97	-5 ... +50 °C	85/50 °C	1.50 kΩ	
1,400 mA	15.0 V	35.0 V	15.0 W	50.00 W	62.0 W	285 mA	87 %	0.97	-5 ... +50 °C	85/50 °C	short circuit (0 kΩ)	
EM powerLED BASIC FX 104 C 50W 50V	300 mA	16.6 V	50.0 V	5.0 W	15.00 W	20.0 W	110 mA	74 %	0.80	-5 ... +55 °C	85/55 °C	open
	350 mA	16.6 V	50.0 V	5.8 W	17.50 W	22.0 W	120 mA	79 %	0.80	-5 ... +55 °C	85/55 °C	69.80 kΩ
	400 mA	16.6 V	50.0 V	6.6 W	20.00 W	25.0 W	130 mA	79 %	0.85	-5 ... +55 °C	85/55 °C	62.00 kΩ
	450 mA	16.6 V	50.0 V	7.5 W	22.50 W	27.0 W	140 mA	82 %	0.85	-5 ... +55 °C	85/55 °C	56.00 kΩ
	500 mA	16.6 V	50.0 V	8.3 W	25.00 W	31.0 W	150 mA	81 %	0.90	-5 ... +55 °C	85/55 °C	48.70 kΩ
	550 mA	16.6 V	50.0 V	9.1 W	27.50 W	34.0 W	165 mA	81 %	0.90	-5 ... +55 °C	85/55 °C	43.20 kΩ
	600 mA	16.6 V	50.0 V	10.0 W	30.00 W	36.0 W	175 mA	83 %	0.90	-5 ... +55 °C	85/55 °C	36.50 kΩ
	650 mA	16.6 V	50.0 V	10.8 W	32.50 W	40.0 W	185 mA	81 %	0.90	-5 ... +55 °C	85/55 °C	28.70 kΩ
	700 mA	16.6 V	50.0 V	11.6 W	35.00 W	44.0 W	200 mA	80 %	0.95	-5 ... +55 °C	85/55 °C	24.00 kΩ
	750 mA	16.6 V	50.0 V	12.5 W	37.50 W	46.0 W	210 mA	82 %	0.95	-5 ... +55 °C	85/55 °C	20.50 kΩ
	800 mA	16.6 V	50.0 V	13.3 W	40.00 W	49.0 W	225 mA	81 %	0.95	-5 ... +55 °C	85/55 °C	18.00 kΩ
	850 mA	16.6 V	50.0 V	14.1 W	42.50 W	52.0 W	235 mA	82 %	0.95	-5 ... +55 °C	85/55 °C	16.00 kΩ
	900 mA	16.6 V	50.0 V	15.0 W	45.00 W	55.0 W	250 mA	82 %	0.95	-5 ... +50 °C	85/50 °C	13.30 kΩ
	950 mA	15.7 V	50.0 V	15.0 W	47.50 W	58.0 W	265 mA	82 %	0.95	-5 ... +50 °C	85/50 °C	11.00 kΩ
	1,000 mA	15.0 V	50.0 V	15.0 W	50.00 W	61.0 W	275 mA	82 %	0.97	-5 ... +50 °C	85/50 °C	9.31 kΩ
	1,050 mA	15.0 V	47.6 V	15.0 W	50.00 W	60.0 W	280 mA	84 %	0.97	-5 ... +50 °C	85/50 °C	7.87 kΩ
	1,100 mA	15.0 V	45.5 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +50 °C	85/50 °C	6.49 kΩ
	1,150 mA	15.0 V	43.5 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +50 °C	85/50 °C	4.70 kΩ
	1,200 mA	15.0 V	41.7 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +50 °C	85/50 °C	3.83 kΩ
	1,250 mA	15.0 V	40.0 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +50 °C	85/50 °C	2.70 kΩ
1,300 mA	15.0 V	38.5 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +50 °C	85/50 °C	2.20 kΩ	
1,350 mA	15.0 V	37.0 V	15.0 W	50.00 W	61.0 W	280 mA	87 %	0.97	-5 ... +50 °C	85/50 °C	1.50 kΩ	
1,400 mA	15.0 V	35.0 V	15.0 W	50.00 W	62.0 W	285 mA	87 %	0.97	-5 ... +50 °C	85/50 °C	short circuit (0 kΩ)	

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Min. output power	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	Efficiency	λ (at 230 V, 50 Hz, full load)	Ambient temperature t_a	tc/ t_a for $\geq 50,000$ h	I-select resistor value	
CF operation													
EM powerLED BASIC FX 103 C 50W 50V	31 mA	–	–	0.5 W	1.70 W	4.0 W	50 mA	50 %	0.40	–	–	open	
	49 mA	–	–	0.6 W	2.10 W	4.5 W	50 mA	56 %	0.40	–	–	69.80 k Ω	
	51 mA	–	–	0.6 W	2.10 W	4.5 W	50 mA	56 %	0.40	–	–	62.00 k Ω	
	62 mA	–	–	0.9 W	2.90 W	5.0 W	55 mA	60 %	0.40	–	–	56.00 k Ω	
	62 mA	–	–	0.9 W	2.90 W	5.0 W	55 mA	60 %	0.40	–	–	48.70 k Ω	
	75 mA	–	–	0.9 W	2.90 W	5.0 W	55 mA	70 %	0.40	–	–	43.20 k Ω	
	78 mA	–	–	1.1 W	3.60 W	5.5 W	55 mA	73 %	0.45	–	–	36.50 k Ω	
	88 mA	–	–	1.1 W	3.80 W	5.5 W	55 mA	73 %	0.45	–	–	28.70 k Ω	
	88 mA	–	–	1.3 W	4.40 W	6.0 W	60 mA	75 %	0.45	–	–	24.00 k Ω	
	104 mA	–	–	1.4 W	4.60 W	6.0 W	60 mA	83 %	0.45	–	–	20.50 k Ω	
	113 mA	–	–	1.4 W	4.70 W	6.0 W	60 mA	83 %	0.45	–	–	18.00 k Ω	
	118 mA	–	–	1.5 W	5.10 W	6.5 W	60 mA	85 %	0.50	–	–	16.00 k Ω	
	126 mA	–	–	1.5 W	5.10 W	6.5 W	60 mA	92 %	0.50	–	–	13.30 k Ω	
	132 mA	–	–	1.6 W	5.80 W	7.0 W	60 mA	86 %	0.50	–	–	11.00 k Ω	
	146 mA	–	–	1.6 W	5.80 W	7.0 W	60 mA	86 %	0.50	–	–	9.31 k Ω	
	148 mA	–	–	1.8 W	6.20 W	7.5 W	65 mA	87 %	0.55	–	–	7.87 k Ω	
	160 mA	–	–	1.8 W	6.00 W	7.5 W	65 mA	87 %	0.55	–	–	6.49 k Ω	
	160 mA	–	–	2.0 W	6.20 W	8.0 W	65 mA	88 %	0.55	–	–	4.70 k Ω	
	165 mA	–	–	2.0 W	6.00 W	8.0 W	65 mA	88 %	0.55	–	–	3.83 k Ω	
	165 mA	–	–	2.2 W	6.30 W	8.0 W	65 mA	88 %	0.55	–	–	2.70 k Ω	
	180 mA	–	–	2.2 W	6.10 W	8.0 W	65 mA	88 %	0.60	–	–	2.20 k Ω	
	182 mA	–	–	2.2 W	5.90 W	8.5 W	65 mA	88 %	0.60	–	–	1.50 k Ω	
	182 mA	–	–	2.4 W	6.10 W	9.0 W	70 mA	83 %	0.60	–	–	short circuit (0 k Ω)	
	EM powerLED BASIC FX 104 C 50W 50V	31 mA	–	–	0.5 W	1.70 W	4.0 W	50 mA	50 %	0.40	–	–	open
		49 mA	–	–	0.6 W	2.10 W	4.5 W	50 mA	56 %	0.40	–	–	69.80 k Ω
		51 mA	–	–	0.6 W	2.10 W	4.5 W	50 mA	56 %	0.40	–	–	62.00 k Ω
62 mA		–	–	0.9 W	2.90 W	5.0 W	55 mA	60 %	0.40	–	–	56.00 k Ω	
62 mA		–	–	0.9 W	2.90 W	5.0 W	55 mA	60 %	0.40	–	–	48.70 k Ω	
75 mA		–	–	0.9 W	2.90 W	5.0 W	55 mA	70 %	0.40	–	–	43.20 k Ω	
78 mA		–	–	1.1 W	3.60 W	5.5 W	55 mA	73 %	0.45	–	–	36.50 k Ω	
88 mA		–	–	1.1 W	3.80 W	5.5 W	55 mA	73 %	0.45	–	–	28.70 k Ω	
88 mA		–	–	1.3 W	4.40 W	6.0 W	60 mA	75 %	0.45	–	–	24.00 k Ω	
104 mA		–	–	1.4 W	4.60 W	6.0 W	60 mA	83 %	0.45	–	–	20.50 k Ω	
113 mA		–	–	1.4 W	4.70 W	6.0 W	60 mA	83 %	0.45	–	–	18.00 k Ω	
118 mA		–	–	1.5 W	5.10 W	6.5 W	60 mA	85 %	0.50	–	–	16.00 k Ω	
126 mA		–	–	1.5 W	5.10 W	6.5 W	60 mA	92 %	0.50	–	–	13.30 k Ω	
132 mA		–	–	1.6 W	5.80 W	7.0 W	60 mA	86 %	0.50	–	–	11.00 k Ω	
146 mA		–	–	1.6 W	5.80 W	7.0 W	60 mA	86 %	0.50	–	–	9.31 k Ω	
148 mA		–	–	1.8 W	6.20 W	7.5 W	65 mA	87 %	0.55	–	–	7.87 k Ω	
160 mA		–	–	1.8 W	6.00 W	7.5 W	65 mA	87 %	0.55	–	–	6.49 k Ω	
160 mA		–	–	2.0 W	6.20 W	8.0 W	65 mA	88 %	0.55	–	–	4.70 k Ω	
165 mA		–	–	2.0 W	6.00 W	8.0 W	65 mA	88 %	0.55	–	–	3.83 k Ω	
165 mA		–	–	2.2 W	6.30 W	8.0 W	65 mA	88 %	0.55	–	–	2.70 k Ω	
180 mA		–	–	2.2 W	6.10 W	8.0 W	65 mA	88 %	0.60	–	–	2.20 k Ω	
182 mA		–	–	2.2 W	5.90 W	8.5 W	65 mA	88 %	0.60	–	–	1.50 k Ω	
182 mA		–	–	2.4 W	6.10 W	9.0 W	70 mA	83 %	0.60	–	–	short circuit (0 k Ω)	
Emergency operation													
EM powerLED BASIC FX 103 C 50W 50V		–	15.0 V	50.0 V	2.1 W	2.75 W	–	–	–	–	–	–	–
EM powerLED BASIC FX 104 C 50W 50V		–	15.0 V	50.0 V	2.7 W	3.50 W	–	–	–	–	–	–	–

RoHS

Product description

- For connection to the emergency lighting unit
- For checking the device function

ACCES-
SORIES

Test switch EM2



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 2	89805277	25 pc(s).	600 pc(s).	0.009 kg

RoHS

Product description

- A green LED indicates that charging current is flowing into the battery

ACCES-
SORIES

Status indication green LED EM



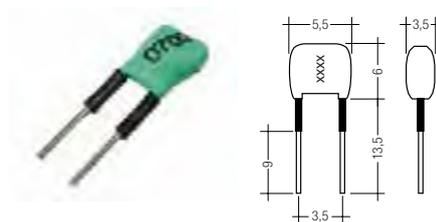
Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM green	89899605	25 pc(s).	200 pc(s).	0.011 kg
LED EM green, ultra high brightness	89899756	25 pc(s).	200 pc(s).	0.012 kg

RoHS

ACCESSORIES

I-SELECT PLUG E



Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance $\pm 1\%$

Ordering data

Type	Article number	Colour	Marking	Resistor value	Output current	Packaging bag	Weight per pc.
I-SELECT PLUG E	28001167	Green	69k8	69.80 k Ω	350 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001166	Green	62k	62.00 k Ω	400 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000627	Green	56k	56.00 k Ω	450 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000626	Green	48k7	48.70 k Ω	500 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000625	Green	43k2	43.20 k Ω	550 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000624	Green	36k5	36.50 k Ω	600 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000622	Green	28k7	28.70 k Ω	650 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001165	Green	24k	24.00 k Ω	700 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001164	Green	20k5	20.50 k Ω	750 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001163	Green	18k	18.00 k Ω	800 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001162	Green	16k	16.00 k Ω	850 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001161	Green	13k3	13.30 k Ω	900 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001160	Green	11k	11.00 k Ω	950 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000617	Green	9k3	9.30 k Ω	1,000 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001159	Green	7k87	7.87 k Ω	1,050 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000616	Green	6k49	6.49 k Ω	1,100 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001158	Green	4k7	4.70 k Ω	1,150 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001157	Green	3k83	3.83 k Ω	1,200 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001156	Green	2k7	2.70 k Ω	1,250 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001155	Green	2k2	2.20 k Ω	1,300 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001154	Green	1k5	1.50 k Ω	1,350 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000612	Green	OR	0.00 k Ω	1,400 mA	10 pc(s).	0.001 kg

RoHS

ACCESSORIES

NiCd Battery pack 1.8 – 4.5 Ah

Product description

- High-temperature NiCd battery pack for use with emergency lighting units
- 4-year design life
- 1-year guarantee

Properties

- Constant high-temperature operation – depending on the emergency lighting unit used (refer to respective emergency control gear datasheet)
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- Certified quality manufacturer
- Casing material made of polycarbonate
- 0.2 m double-insulated cable with plug connection
- 0.8 m double-insulated cable with plug and pre-stripped ends for connection with the emergency unit
- 1.0 mm² solid wire, pre-stripped
- Suitable for emergency lighting equipment as per IEC 60598-2-22

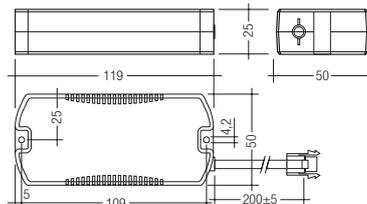


Fig. 1

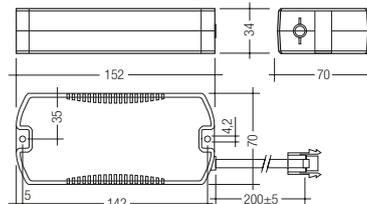


Fig. 2

Ordering data

Type	Article number	Figure	Packaging carton	Packaging outer box	Weight per pc.
Battery pack 1.8 Ah with connector					
Pack-NiCd 3C CON	28001221	1	5 pc(s).	10 pc(s).	0.270 kg
Pack-NiCd 4C CON	28001222	1	5 pc(s).	10 pc(s).	0.320 kg
Battery pack 4.5 Ah with connector					
Pack-NiCd 3D CON	89800389	2	5 pc(s).	10 pc(s).	0.534 kg
Pack-NiCd 4D CON	89800390	2	5 pc(s).	10 pc(s).	0.661 kg



EM powerLED BASIC FX SR 50 W

Combined emergency lighting LED Driver

Product description

- Independent fixed output LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF)
- Emergency lighting function for use with single batteries for manual testing
- For LED modules with a forward voltage of 15 – 50 V
- SELV for output voltage < 60 V DC
- Compact plastic casing (209 x 82 x 34 mm) with strain relief
- 5-year guarantee

Properties

- 4.9 – 50 W output power
- Constant current LED operation
- 300 – 1,400 mA output current selectable with I-SELECT PLUG in steps of 50 mA
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- Integrated emergency lighting unit
- 1 or 3 h rated duration selectable with plug (duration link)
- Automatic shutdown of output if LED load is out of range
- Green charge status display LED
- Electronic charge system
- Polarity reversal protection for battery
- Deep discharge protection
- Short-circuit-proof battery connection

Batteries

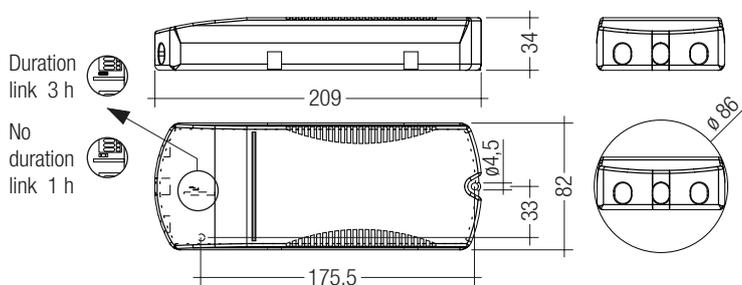
- High-temperature cells
- NiCd or NiMH batteries
- D, Cs or LA cells
- 4-year design life
- 1-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request



Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet



Note: Control gear supplied with duration link in 3 hours position. Remove duration link for 1 hour duration. Duration link and I-SELECT PLUG must be set before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz, normal operation)	0.95
Typ. λ (at 230 V, 50 Hz, CF operation)	0.45
Overvoltage protection	320 V (for 1 h)
Battery charging time	24 h
Max. open circuit voltage	60 V
Starting time	< 0.5 s from detection of emergency event
Typ. power consumption in charging	3.5 W
Output LF current ripple (< 120 Hz)	< 2 %
Output current tolerance	7 %
THD CF normal operation	< 10 %
THD CF operation	< 30 %
Ambient temperature $t_a > 40$ W	40 °C
Ambient temperature $t_a \leq 40$ W	50 °C
Max. casing temperature t_c	80 °C
Dimensions L x W x H	209 x 82 x 34 mm
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20
Charge current 1 h	100 mA
Charge current 3 h	200 mA
Discharge current 1 h	960 mA
Discharge current 3 h	960 mA

Ordering data

Type	Article number	Rated duration	Number of cells	Packaging carton	Packaging pallet	Weight per pc.
EM powerLED BASIC FX 103 SR 50W 50V	89800430	1/3 h	3	10 pc(s).	400 pc(s).	0.288 kg
EM powerLED BASIC FX 104 SR 50W 50V	89800412	1/3 h	4	10 pc(s).	400 pc(s).	0.290 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Min. output power	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	Efficiency	λ (at 230 V, 50 Hz, full load)	Ambient temperature ta	tc/ta for $\geq 50,000$ h	I-select resistor value
EM powerLED BASIC FX 103 SR 50W 50V	300 mA	16.6 V	50.0 V	5.0 W	15.00 W	20.0 W	110 mA	74 %	0.80	-5 ... +50 °C	79/50 °C	open
	350 mA	16.6 V	50.0 V	5.8 W	17.50 W	22.0 W	120 mA	79 %	0.80	-5 ... +50 °C	79/50 °C	69.80 k Ω
	400 mA	16.6 V	50.0 V	6.6 W	20.00 W	25.0 W	130 mA	79 %	0.85	-5 ... +50 °C	79/50 °C	62.00 k Ω
	450 mA	16.6 V	50.0 V	7.5 W	22.50 W	27.0 W	140 mA	82 %	0.85	-5 ... +50 °C	79/50 °C	56.00 k Ω
	500 mA	16.6 V	50.0 V	8.3 W	25.00 W	31.0 W	150 mA	81 %	0.90	-5 ... +50 °C	79/50 °C	48.70 k Ω
	550 mA	16.6 V	50.0 V	9.1 W	27.50 W	34.0 W	165 mA	81 %	0.90	-5 ... +50 °C	79/50 °C	43.20 k Ω
	600 mA	16.6 V	50.0 V	10.0 W	30.00 W	36.0 W	175 mA	83 %	0.90	-5 ... +50 °C	79/50 °C	36.50 k Ω
	650 mA	16.6 V	50.0 V	10.8 W	32.50 W	40.0 W	185 mA	81 %	0.90	-5 ... +50 °C	79/50 °C	28.70 k Ω
	700 mA	16.6 V	50.0 V	11.6 W	35.00 W	44.0 W	200 mA	80 %	0.95	-5 ... +50 °C	79/50 °C	24.00 k Ω
	750 mA	16.6 V	50.0 V	12.5 W	37.50 W	46.0 W	210 mA	82 %	0.95	-5 ... +50 °C	79/50 °C	20.50 k Ω
	800 mA	16.6 V	50.0 V	13.3 W	40.00 W	49.0 W	225 mA	81 %	0.95	-5 ... +50 °C	79/50 °C	18.00 k Ω
	850 mA	16.6 V	50.0 V	14.1 W	42.50 W	52.0 W	235 mA	81 %	0.95	-5 ... +40 °C	76/40 °C	16.00 k Ω
	900 mA	16.6 V	50.0 V	15.0 W	45.00 W	55.0 W	250 mA	82 %	0.95	-5 ... +40 °C	76/40 °C	13.30 k Ω
	950 mA	15.7 V	50.0 V	15.0 W	47.50 W	58.0 W	265 mA	82 %	0.95	-5 ... +40 °C	76/40 °C	11.00 k Ω
	1,000 mA	15.0 V	50.0 V	15.0 W	50.00 W	61.0 W	275 mA	82 %	0.97	-5 ... +40 °C	76/40 °C	9.31 k Ω
	1,050 mA	15.0 V	47.6 V	15.0 W	50.00 W	60.0 W	280 mA	84 %	0.97	-5 ... +40 °C	76/40 °C	7.87 k Ω
	1,100 mA	15.0 V	45.5 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +40 °C	76/40 °C	6.49 k Ω
	1,150 mA	15.0 V	43.5 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +40 °C	76/40 °C	4.70 k Ω
	1,200 mA	15.0 V	41.7 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +40 °C	76/40 °C	3.83 k Ω
	1,250 mA	15.0 V	40.0 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +40 °C	76/40 °C	2.70 k Ω
	1,300 mA	15.0 V	38.5 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +40 °C	76/40 °C	2.20 k Ω
1,350 mA	15.0 V	37.0 V	15.0 W	50.00 W	61.0 W	280 mA	87 %	0.97	-5 ... +40 °C	76/40 °C	1.50 k Ω	
1,400 mA	15.0 V	35.0 V	15.0 W	50.00 W	62.0 W	285 mA	87 %	0.97	-5 ... +40 °C	76/40 °C	short circuit (0 k Ω)	
EM powerLED BASIC FX 104 SR 50W 50V	300 mA	16.6 V	50.0 V	5.0 W	15.00 W	20.0 W	110 mA	74 %	0.80	-5 ... +50 °C	79/50 °C	open
	350 mA	16.6 V	50.0 V	5.8 W	17.50 W	22.0 W	120 mA	79 %	0.80	-5 ... +50 °C	79/50 °C	69.80 k Ω
	400 mA	16.6 V	50.0 V	6.6 W	20.00 W	25.0 W	130 mA	79 %	0.85	-5 ... +50 °C	79/50 °C	62.00 k Ω
	450 mA	16.6 V	50.0 V	7.5 W	22.50 W	27.0 W	140 mA	82 %	0.85	-5 ... +50 °C	79/50 °C	56.00 k Ω
	500 mA	16.6 V	50.0 V	8.3 W	25.00 W	31.0 W	150 mA	81 %	0.90	-5 ... +50 °C	79/50 °C	48.70 k Ω
	550 mA	16.6 V	50.0 V	9.1 W	27.50 W	34.0 W	165 mA	81 %	0.90	-5 ... +50 °C	79/50 °C	43.20 k Ω
	600 mA	16.6 V	50.0 V	10.0 W	30.00 W	36.0 W	175 mA	83 %	0.90	-5 ... +50 °C	79/50 °C	36.50 k Ω
	650 mA	16.6 V	50.0 V	10.8 W	32.50 W	40.0 W	185 mA	81 %	0.90	-5 ... +50 °C	79/50 °C	28.70 k Ω
	700 mA	16.6 V	50.0 V	11.6 W	35.00 W	44.0 W	200 mA	80 %	0.95	-5 ... +50 °C	79/50 °C	24.00 k Ω
	750 mA	16.6 V	50.0 V	12.5 W	37.50 W	46.0 W	210 mA	82 %	0.95	-5 ... +50 °C	79/50 °C	20.50 k Ω
	800 mA	16.6 V	50.0 V	13.3 W	40.00 W	49.0 W	225 mA	81 %	0.95	-5 ... +50 °C	79/50 °C	18.00 k Ω
	850 mA	16.6 V	50.0 V	14.1 W	42.50 W	52.0 W	235 mA	81 %	0.95	-5 ... +40 °C	76/40 °C	16.00 k Ω
	900 mA	16.6 V	50.0 V	15.0 W	45.00 W	55.0 W	250 mA	82 %	0.95	-5 ... +40 °C	76/40 °C	13.30 k Ω
	950 mA	15.7 V	50.0 V	15.0 W	47.50 W	58.0 W	265 mA	82 %	0.95	-5 ... +40 °C	76/40 °C	11.00 k Ω
	1,000 mA	15.0 V	50.0 V	15.0 W	50.00 W	61.0 W	275 mA	82 %	0.97	-5 ... +40 °C	76/40 °C	9.31 k Ω
	1,050 mA	15.0 V	47.6 V	15.0 W	50.00 W	60.0 W	280 mA	84 %	0.97	-5 ... +40 °C	76/40 °C	7.87 k Ω
	1,100 mA	15.0 V	45.5 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +40 °C	76/40 °C	6.49 k Ω
	1,150 mA	15.0 V	43.5 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +40 °C	76/40 °C	4.70 k Ω
	1,200 mA	15.0 V	41.7 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +40 °C	76/40 °C	3.83 k Ω
	1,250 mA	15.0 V	40.0 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +40 °C	76/40 °C	2.70 k Ω
	1,300 mA	15.0 V	38.5 V	15.0 W	50.00 W	60.0 W	280 mA	88 %	0.97	-5 ... +40 °C	76/40 °C	2.20 k Ω
1,350 mA	15.0 V	37.0 V	15.0 W	50.00 W	61.0 W	280 mA	87 %	0.97	-5 ... +40 °C	76/40 °C	1.50 k Ω	
1,400 mA	15.0 V	35.0 V	15.0 W	50.00 W	62.0 W	285 mA	87 %	0.97	-5 ... +40 °C	76/40 °C	short circuit (0 k Ω)	

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Min. output power	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	Efficiency	λ (at 230 V, 50 Hz, full load)	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
CF operation												
EM powerLED BASIC FX 103 SR 50W 50V	31 mA	–	–	0.5 W	1.70 W	4.0 W	50 mA	50 %	0.40	–	–	open
	49 mA	–	–	0.6 W	2.10 W	4.5 W	50 mA	56 %	0.40	–	–	69.80 kΩ
	51 mA	–	–	0.6 W	2.10 W	4.5 W	50 mA	56 %	0.40	–	–	62.00 kΩ
	62 mA	–	–	0.9 W	2.90 W	5.0 W	55 mA	60 %	0.40	–	–	56.00 kΩ
	62 mA	–	–	0.9 W	2.90 W	5.0 W	55 mA	60 %	0.40	–	–	48.70 kΩ
	75 mA	–	–	0.9 W	2.90 W	5.0 W	55 mA	70 %	0.40	–	–	43.20 kΩ
	78 mA	–	–	1.1 W	3.60 W	5.5 W	55 mA	73 %	0.45	–	–	36.50 kΩ
	88 mA	–	–	1.1 W	3.80 W	5.5 W	55 mA	73 %	0.45	–	–	28.70 kΩ
	88 mA	–	–	1.3 W	4.40 W	6.0 W	60 mA	75 %	0.45	–	–	24.00 kΩ
	104 mA	–	–	1.4 W	4.60 W	6.0 W	60 mA	83 %	0.45	–	–	20.50 kΩ
	113 mA	–	–	1.4 W	4.70 W	6.0 W	60 mA	83 %	0.45	–	–	18.00 kΩ
	118 mA	–	–	1.5 W	5.10 W	6.5 W	60 mA	85 %	0.50	–	–	16.00 kΩ
	126 mA	–	–	1.5 W	5.10 W	6.5 W	60 mA	92 %	0.50	–	–	13.30 kΩ
	132 mA	–	–	1.6 W	5.80 W	7.0 W	60 mA	86 %	0.50	–	–	11.00 kΩ
	146 mA	–	–	1.6 W	5.80 W	7.0 W	60 mA	86 %	0.50	–	–	9.31 kΩ
	148 mA	–	–	1.8 W	6.20 W	7.5 W	65 mA	87 %	0.55	–	–	7.87 kΩ
	160 mA	–	–	1.8 W	6.00 W	7.5 W	65 mA	87 %	0.55	–	–	6.49 kΩ
	160 mA	–	–	2.0 W	6.20 W	8.0 W	65 mA	88 %	0.55	–	–	4.70 kΩ
	165 mA	–	–	2.0 W	6.00 W	8.0 W	65 mA	88 %	0.55	–	–	3.83 kΩ
	165 mA	–	–	2.2 W	6.30 W	8.0 W	65 mA	88 %	0.55	–	–	2.70 kΩ
	180 mA	–	–	2.2 W	6.10 W	8.0 W	65 mA	88 %	0.60	–	–	2.20 kΩ
	182 mA	–	–	2.2 W	5.90 W	8.5 W	65 mA	88 %	0.60	–	–	1.50 kΩ
	182 mA	–	–	2.4 W	6.10 W	9.0 W	70 mA	83 %	0.60	–	–	short circuit (0 kΩ)
	EM powerLED BASIC FX 104 SR 50W 50V	31 mA	–	–	0.5 W	1.70 W	4.0 W	50 mA	50 %	0.40	–	–
49 mA		–	–	0.6 W	2.10 W	4.5 W	50 mA	56 %	0.40	–	–	69.80 kΩ
51 mA		–	–	0.6 W	2.10 W	4.5 W	50 mA	56 %	0.40	–	–	62.00 kΩ
62 mA		–	–	0.9 W	2.90 W	5.0 W	55 mA	60 %	0.40	–	–	56.00 kΩ
62 mA		–	–	0.9 W	2.90 W	5.0 W	55 mA	60 %	0.40	–	–	48.70 kΩ
75 mA		–	–	0.9 W	2.90 W	5.0 W	55 mA	70 %	0.40	–	–	43.20 kΩ
78 mA		–	–	1.1 W	3.60 W	5.5 W	55 mA	73 %	0.45	–	–	36.50 kΩ
88 mA		–	–	1.1 W	3.80 W	5.5 W	55 mA	73 %	0.45	–	–	28.70 kΩ
88 mA		–	–	1.3 W	4.40 W	6.0 W	60 mA	75 %	0.45	–	–	24.00 kΩ
104 mA		–	–	1.4 W	4.60 W	6.0 W	60 mA	83 %	0.45	–	–	20.50 kΩ
113 mA		–	–	1.4 W	4.70 W	6.0 W	60 mA	83 %	0.45	–	–	18.00 kΩ
118 mA		–	–	1.5 W	5.10 W	6.5 W	60 mA	85 %	0.50	–	–	16.00 kΩ
126 mA		–	–	1.5 W	5.10 W	6.5 W	60 mA	92 %	0.50	–	–	13.30 kΩ
132 mA		–	–	1.6 W	5.80 W	7.0 W	60 mA	86 %	0.50	–	–	11.00 kΩ
146 mA		–	–	1.6 W	5.80 W	7.0 W	60 mA	86 %	0.50	–	–	9.31 kΩ
148 mA		–	–	1.8 W	6.20 W	7.5 W	65 mA	87 %	0.55	–	–	7.87 kΩ
160 mA		–	–	1.8 W	6.00 W	7.5 W	65 mA	87 %	0.55	–	–	6.49 kΩ
160 mA		–	–	2.0 W	6.20 W	8.0 W	65 mA	88 %	0.55	–	–	4.70 kΩ
165 mA		–	–	2.0 W	6.00 W	8.0 W	65 mA	88 %	0.55	–	–	3.83 kΩ
165 mA		–	–	2.2 W	6.30 W	8.0 W	65 mA	88 %	0.55	–	–	2.70 kΩ
180 mA		–	–	2.2 W	6.10 W	8.0 W	65 mA	88 %	0.60	–	–	2.20 kΩ
182 mA		–	–	2.2 W	5.90 W	8.5 W	65 mA	88 %	0.60	–	–	1.50 kΩ
182 mA		–	–	2.4 W	6.10 W	9.0 W	70 mA	83 %	0.60	–	–	short circuit (0 kΩ)
Emergency operation												
EM powerLED BASIC FX 103 SR 50W 50V	–	15.0 V	50.0 V	2.1 W	2.75 W	–	–	–	–	–	–	–
EM powerLED BASIC FX 104 SR 50W 50V	–	15.0 V	50.0 V	2.7 W	3.50 W	–	–	–	–	–	–	–

RoHS

ACCES-
SORIES

Test switch EM2



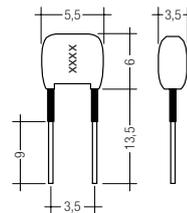
Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 2	89805277	25 pc(s).	600 pc(s).	0.009 kg

RoHS

ACCES-
SORIES

I-SELECT PLUG E



Ordering data

Type	Article number	Colour	Marking	Resistor value	Output current	Packaging bag	Weight per pc.
I-SELECT PLUG E	28001167	Green	69k8	69.80 kΩ	350 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001166	Green	62k	62.00 kΩ	400 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000627	Green	56k	56.00 kΩ	450 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000626	Green	48k7	48.70 kΩ	500 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000625	Green	43k2	43.20 kΩ	550 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000624	Green	36k5	36.50 kΩ	600 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000622	Green	28k7	28.70 kΩ	650 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001165	Green	24k	24.00 kΩ	700 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001164	Green	20k5	20.50 kΩ	750 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001163	Green	18k	18.00 kΩ	800 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001162	Green	16k	16.00 kΩ	850 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001161	Green	13k3	13.30 kΩ	900 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001160	Green	11k	11.00 kΩ	950 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000617	Green	9k3	9.30 kΩ	1,000 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001159	Green	7k87	7.87 kΩ	1,050 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000616	Green	6k49	6.49 kΩ	1,100 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001158	Green	4k7	4.70 kΩ	1,150 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001157	Green	3k83	3.83 kΩ	1,200 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001156	Green	2k7	2.70 kΩ	1,250 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001155	Green	2k2	2.20 kΩ	1,300 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001154	Green	1k5	1.50 kΩ	1,350 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000612	Green	OR	0.00 kΩ	1,400 mA	10 pc(s).	0.001 kg

RoHS

ACCES-
SORIES

Status indication green LED EM

Product description

- A green LED indicates that charging current is flowing into the battery



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM green	89899605	25 pc(s).	200 pc(s).	0.011 kg
LED EM green, ultra high brightness	89899756	25 pc(s).	200 pc(s).	0.012 kg

RoHS

ACCES-
SORIES

NiCd Battery pack 1.8 – 4.5 Ah

Product description

- High-temperature NiCd battery pack for use with emergency lighting units
- 4-year design life
- 1-year guarantee



Properties

- Constant high-temperature operation – depending on the emergency lighting unit used (refer to respective emergency control gear datasheet)
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- Certified quality manufacturer
- Casing material made of polycarbonate
- 0.2 m double-insulated cable with plug connection
- 0.8 m double-insulated cable with plug and pre-stripped ends for connection with the emergency unit
- 1.0 mm² solid wire, pre-stripped
- Suitable for emergency lighting equipment as per IEC 60598-2-22

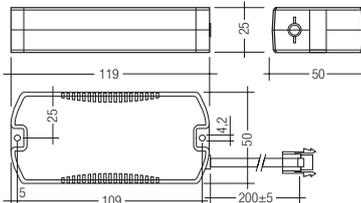


Fig. 1

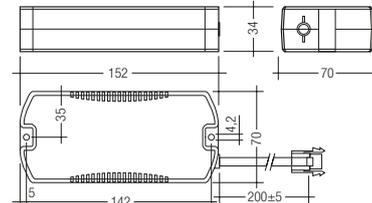


Fig. 2

Ordering data

Type	Article number	Figure	Packaging carton	Packaging outer box	Weight per pc.
Battery pack 1.8 Ah with connector					
Pack-NiCd 3C CON	28001221	1	5 pc(s).	10 pc(s).	0.270 kg
Pack-NiCd 4C CON	28001222	1	5 pc(s).	10 pc(s).	0.320 kg
Battery pack 4.5 Ah with connector					
Pack-NiCd 3D CON	89800389	2	5 pc(s).	10 pc(s).	0.534 kg
Pack-NiCd 4D CON	89800390	2	5 pc(s).	10 pc(s).	0.661 kg



EM powerLED BASIC CLE

Combined emergency lighting LED Driver

Product description

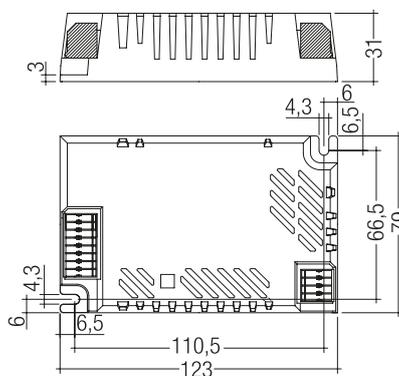
- LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF) and emergency lighting function for manual testing
- For luminaire installation
- For the use with STARK CLE 1500 EM
- 5-year guarantee

Properties

- Constant current LED Driver with 350 or 470 mA output current
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- Integrated 1 W emergency lighting unit for non-maintained operation
- 3 h rated duration
- Constant current mode
- Green charge status display LED
- Electronic charge system
- Polarity reversal protection for battery
- Deep discharge protection
- Short-circuit-proof battery connection
- SELV
- Emergency lighting LEDs available
- LED module and sensor available

Batteries

- High-temperature cells
 - NiMH / NiCd batteries
 - Cs cells
 - Blade terminals for simple connection
 - 4-year design life
 - 1-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Leakage current (PE)	0
Overvoltage protection	320 V (for 1 h)
Battery charging time	24 h
Battery charging current	120 mA
Battery discharge current	See data sheet
Rated duration	3 h
Battery cells	3
Starting time (at 230 V, 50 Hz, full load)	100 ms
Ambient temperature t_a	0 ... +55 °C
Max. casing temperature t_c	75 °C
Dimensions L x W x H	123 x 79 x 31 mm
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Packaging carton	Packaging pallet	Weight per pc.
EM powerLED 12W BASIC CLE NiMH	89800526	10 pc(s).	560 pc(s).	0.126 kg
EM powerLED 12W BASIC CLE NiCd	89800525	10 pc(s).	560 pc(s).	0.125 kg
EM powerLED 15W BASIC CLE NiMH	89800174	10 pc(s).	560 pc(s).	0.126 kg
EM powerLED 15W BASIC CLE NiCd	89800176	10 pc(s).	560 pc(s).	0.125 kg

Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Output current	Output current tolerance	Min. output voltage ¹⁾	Max. output voltage ¹⁾	Typ. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	Efficiency (at 230 V, 50 Hz)	λ (at 230 V, 50 Hz, full load)	Ambient temperature ta ²⁾	tc/ta for \approx 50,000 h ²⁾
Normal operation											
EM powerLED 12W BASIC CLE NiMH	350 mA	5 %	22 V	33 V	10.61 W	15 W	85 mA	71 %	0.8c	-5 ... 55 °C	85 / 55 °C
EM powerLED 12W BASIC CLE NiCd	350 mA	5 %	22 V	33 V	10.61 W	15 W	85 mA	71 %	0.8c	-5 ... 55 °C	85 / 55 °C
EM powerLED 15W BASIC CLE NiMH	470 mA	5 %	22 V	33 V	14.25 W	18 W	110 mA	82 %	0.8c	-5 ... 55 °C	85 / 55 °C
EM powerLED 15W BASIC CLE NiCd	470 mA	5 %	22 V	33 V	14.25 W	18 W	110 mA	82 %	0.8c	-5 ... 55 °C	85 / 55 °C
CF operation											
EM powerLED 12W BASIC CLE NiMH	29 mA	15 %	22 V	33 V	0.75 W	3.1 W	26 mA	23 %	0.5c	-	-
EM powerLED 12W BASIC CLE NiCd	29 mA	15 %	22 V	33 V	0.75 W	3.1 W	26 mA	23 %	0.5c	-	-
EM powerLED 15W BASIC CLE NiMH	43 mA	15 %	22 V	33 V	1.12 W	3.5 W	30 mA	49 %	0.5c	-	-
EM powerLED 15W BASIC CLE NiCd	43 mA	15 %	22 V	33 V	1.12 W	3.5 W	30 mA	49 %	0.5c	-	-
Emergency operation											
EM powerLED 12W BASIC CLE NiMH	400 mA	5 %	2.5 V	3.4 V	1.32 W	-	-	-	-	-	-
EM powerLED 12W BASIC CLE NiCd	320 mA	5 %	2.5 V	3.4 V	1.06 W	-	-	-	-	-	-
EM powerLED 15W BASIC CLE NiMH	400 mA	5 %	2.5 V	3.4 V	1.32 W	-	-	-	-	-	-
EM powerLED 15W BASIC CLE NiCd	320 mA	5 %	2.5 V	3.4 V	1.06 W	-	-	-	-	-	-

¹⁾ Output voltage range defined in normal operation. LED forward voltage will decrease in CF operation.

²⁾ Ambient temperature range ta defined in normal operation.

RoHS

ACCES-
SORIES

Status indication green LED EM

Product description

- A green LED indicates that charging current is flowing into the battery
- Plug connection



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM green	89899605	25 pc(s).	200 pc(s).	0.011 kg
LED EM green, ultra high brightness	89899756	25 pc(s).	800 pc(s).	0.012 kg



EM powerLED ST FX C 45 W

Combined emergency lighting LED Driver

Product description

- Dimmable built-in LED Driver
- Emergency lighting LED Driver with automatic selftest functionality
- For LED modules with a forward voltage of 20 – 50 V
- SELV for output voltage < 60 V DC
- Compact plastic casing (183 x 82 x 34 mm)

Properties

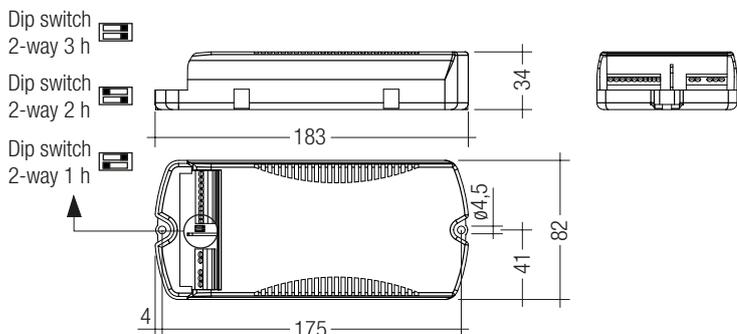
- Output power 6 – 45 W
- Constant current LED operation
- 300 – 1,400 mA output current in mains operation selectable with I-SELECT 2 PLUG in steps of 25 mA
- Integrated emergency lighting unit
- 1, 2 or 3 h rated duration
- Operating time selectable with dip switch (2-way)
- Automatic shutdown of output if the forward voltage of the LED is out of range
- Two-colour status display LED
- Electronic multi-level charge system
- Pulse current charging for NiMH batteries
- Polarity reversal protection for battery
- Deep discharge protection
- Short-circuit-proof battery connection
- 5 years guarantee

Interfaces

- switchDIM, corridorFUNCTION
- Rest mode
- Terminal blocks: 45° push terminals

Batteries

- High-temperature cells
 - NiCd or NiMH batteries – D, Cs or LA cells
 - Battery box for independent use
 - 4-year design life, 1-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Note: LED Driver supplied with duration dip switch (2-way) in 3 hours position. Duration dip switch and I-SELECT 2 PLUG must be set before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz, normal operation)	0.95
Leakage current (PE)	< 0.5 mA
Overvoltage protection	320 V (for 48 h)
Max. open circuit voltage	60 V
Starting time	< 0.5 s from detection of emergency event
Output LF current ripple (< 120 Hz)	< 2 %
Output current tolerance	7 %
THD normal operation	< 10 %
Ambient temperature $t_a > 40$ W output power	-5 ... +45 °C
Ambient temperature $t_a \leq 40$ W output power	-5 ... +50 °C
Max. casing temperature t_c	75 °C
Dimensions L x W x H	183 x 82 x 34 mm
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Rated duration	Number of cells	Packaging carton	Packaging pallet	Weight per pc.
EM powerLED ST FX 103 C NiCd 45W 50V	89800431	1/2/3 h	3	10 pc(s).	400 pc(s).	0.227 kg
EM powerLED ST FX 104 C NiCd 45W 50V	89800413	1/2/3 h	4	10 pc(s).	400 pc(s).	0.227 kg
EM powerLED ST FX 103 C NiMH 45W 50V	89800502	1/2/3 h	3	10 pc(s).	400 pc(s).	0.227 kg
EM powerLED ST FX 104 C NiMH 45W 50V	89800506	1/2/3 h	4	10 pc(s).	400 pc(s).	0.227 kg



Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Number of battery cells	Output current	Min. output voltage	Max. output voltage	Min. output power	Max. output power	Input power (at 230 V, 50 Hz, full load), fast / trickle charge	Input current (at 230 V, 50 Hz, full load), fast / trickle charge	Efficiency (at 230 V, 50 Hz), fast / trickle charge	λ (at 230 V, 50 Hz, full load)		Ambient temperature ta ¹⁾	tc/ta for ≥ 50.000 h ¹⁾
										Fast charge	Trickle charge		
Normal operation													
-		300 mA	20 V	50 V	6.0 W	15.00 W	23.0 / 21.0 W	124 / 109 mA	71 / 75 %	0.81c	0.83c	-5 ... 50 °C	50 / 75 °C
-		325 mA	20 V	50 V	6.5 W	16.25 W	24.2 / 22.8 W	128 / 116 mA	72 / 73 %	0.82c	0.85c	-5 ... 50 °C	50 / 75 °C
-		350 mA	20 V	50 V	7.0 W	18.00 W	26.0 / 23.0 W	133 / 116 mA	74 / 79 %	0.84c	0.85c	-5 ... 50 °C	50 / 75 °C
-		375 mA	20 V	50 V	7.5 W	18.75 W	27.0 / 25.0 W	138 / 125 mA	74 / 77 %	0.85c	0.87c	-5 ... 50 °C	50 / 75 °C
-		400 mA	20 V	50 V	8.0 W	20.00 W	28.0 / 26.0 W	142 / 126 mA	76 / 81 %	0.86c	0.87c	-5 ... 50 °C	50 / 75 °C
-		425 mA	20 V	50 V	8.5 W	21.25 W	29.8 / 27.8 W	149 / 136 mA	75 / 78 %	0.87c	0.89c	-5 ... 50 °C	50 / 75 °C
-		450 mA	20 V	50 V	9.0 W	23.00 W	30.0 / 28.0 W	151 / 137 mA	78 / 82 %	0.87c	0.89c	-5 ... 50 °C	50 / 75 °C
-		475 mA	20 V	50 V	9.5 W	23.75 W	32.6 / 30.6 W	160 / 147 mA	77 / 79 %	0.87c	0.90c	-5 ... 50 °C	50 / 75 °C
-		500 mA	20 V	50 V	10.0 W	25.00 W	33.0 / 31.0 W	161 / 147 mA	80 / 83 %	0.89c	0.91c	-5 ... 50 °C	50 / 75 °C
-		525 mA	20 V	50 V	10.5 W	26.25 W	34.6 / 32.7 W	168 / 155 mA	80 / 82 %	0.90c	0.91c	-5 ... 50 °C	50 / 75 °C
-		550 mA	20 V	50 V	11.0 W	28.00 W	36.0 / 34.0 W	172 / 158 mA	81 / 84 %	0.90c	0.92c	-5 ... 50 °C	50 / 75 °C
-		575 mA	20 V	50 V	11.5 W	28.75 W	36.9 / 35.2 W	177 / 165 mA	82 / 83 %	0.91c	0.93c	-5 ... 50 °C	50 / 75 °C
-		600 mA	20 V	50 V	12.0 W	30.00 W	38.0 / 36.0 W	182 / 169 mA	82 / 85 %	0.92c	0.93c	-5 ... 50 °C	50 / 75 °C
-		625 mA	20 V	50 V	12.5 W	31.25 W	39.6 / 37.7 W	188 / 176 mA	82 / 84 %	0.92c	0.93c	-5 ... 50 °C	50 / 75 °C
-		650 mA	20 V	50 V	13.0 W	33.00 W	41.0 / 39.0 W	192 / 180 mA	83 / 86 %	0.92c	0.94c	-5 ... 50 °C	50 / 75 °C
-		675 mA	20 V	50 V	13.5 W	33.75 W	42.1 / 40.0 W	198 / 185 mA	83 / 86 %	0.93c	0.94c	-5 ... 50 °C	50 / 75 °C
-		700 mA	20 V	50 V	14.0 W	35.00 W	44.0 / 42.0 W	204 / 191 mA	84 / 86 %	0.93c	0.94c	-5 ... 50 °C	50 / 75 °C
-		725 mA	20 V	50 V	14.5 W	36.25 W	45.1 / 42.9 W	210 / 197 mA	83 / 86 %	0.93c	0.95	-5 ... 50 °C	50 / 75 °C
-		750 mA	20 V	50 V	15.0 W	38.00 W	46.0 / 44.0 W	215 / 203 mA	84 / 87 %	0.94c	0.95	-5 ... 50 °C	50 / 75 °C
-		775 mA	20 V	50 V	15.5 W	38.75 W	47.7 / 45.6 W	221 / 209 mA	84 / 86 %	0.94c	0.95	-5 ... 50 °C	50 / 75 °C
-		800 mA	20 V	50 V	16.0 W	40.00 W	49.0 / 47.0 W	225 / 212 mA	85 / 87 %	0.94c	0.95	-5 ... 50 °C	50 / 75 °C
-		825 mA	20 V	50 V	16.5 W	41.25 W	50.5 / 48.5 W	233 / 221 mA	84 / 86 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		850 mA	20 V	50 V	17.0 W	43.00 W	51.0 / 49.0 W	235 / 223 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		875 mA	20 V	50 V	17.5 W	43.75 W	52.7 / 51.3 W	241 / 229 mA	86 / 86 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		900 mA	20 V	50 V	18.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		925 mA	20 V	49 V	18.5 W	45.00 W	54.7 / 52.7 W	250 / 238 mA	85 / 86 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		950 mA	20 V	47 V	19.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		975 mA	20 V	46 V	19.5 W	45.00 W	54.6 / 52.5 W	250 / 238 mA	85 / 87 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,000 mA	20 V	45 V	20.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,025 mA	20 V	44 V	20.5 W	45.00 W	54.1 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,050 mA	20 V	42 V	21.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,075 mA	20 V	42 V	21.5 W	45.00 W	54.2 / 52.2 W	248 / 236 mA	86 / 87 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,100 mA	20 V	40 V	22.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,125 mA	20 V	40 V	22.5 W	45.00 W	54.0 / 52.0 W	247 / 236 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,150 mA	20 V	39 V	23.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,175 mA	20 V	38 V	23.5 W	45.00 W	53.7 / 51.5 W	246 / 233 mA	86 / 89 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,200 mA	20 V	37 V	24.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,225 mA	20 V	37 V	24.5 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,250 mA	20 V	36 V	25.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,275 mA	20 V	35 V	25.5 W	45.00 W	54.2 / 52.0 W	248 / 236 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,300 mA	20 V	34 V	26.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,325 mA	20 V	34 V	26.5 W	45.00 W	54.4 / 52.2 W	248 / 236 mA	85 / 87 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,350 mA	20 V	33 V	27.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,375 mA	20 V	33 V	27.5 W	45.00 W	54.2 / 52.1 W	248 / 236 mA	86 / 87 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,400 mA	20 V	32 V	28.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 90 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
Emergency operation													
EM powerLED ST FX 103 C 45W 50V	3	see datasheet	15 V	50 V	21 W	2.75 W	-	-	-	-	-	-	-
EM powerLED ST FX 104 C 45W 50V	4	see datasheet	15 V	50 V	2.7 W	3.50 W	-	-	-	-	-	-	-

¹⁾ Ambient temperature range ta defined in normal operation

RoHS

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Test switch EM2



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 2	89805277	25 pc(s).	600 pc(s).	0.009 kg

RoHS

ACCES-
SORIES

Status indication bi-colour LED EM



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM bi-colour	89899720	25 pc(s).	200 pc(s).	0.017 kg
LED EM bi-colour, high brightness	89899753	25 pc(s).	200 pc(s).	0.013 kg

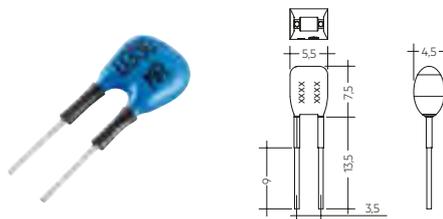
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC as well as with EM powerLED series PRO and ST

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging bag	Weight per pc.
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1,000 mA	5.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1,050 mA	4.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 k Ω	10 pc(s).	0.001 kg

RoHS

ACCES-
SORIES

NiCd Battery pack 1.8 – 4.5 Ah

Product description

- High-temperature NiCd battery pack for use with emergency lighting units
- 4-year design life
- 1-year guarantee

Properties

- Constant high-temperature operation – depending on the emergency lighting unit used (refer to respective emergency control gear datasheet)
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- Certified quality manufacturer
- Casing material made of polycarbonate
- 0.2 m double-insulated cable with plug connection
- 0.8 m double-insulated cable with plug and pre-stripped ends for connection with the emergency unit
- 1.0 mm² solid wire, pre-stripped
- Suitable for emergency lighting equipment as per IEC 60598-2-22

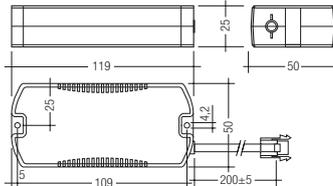


Fig. 1

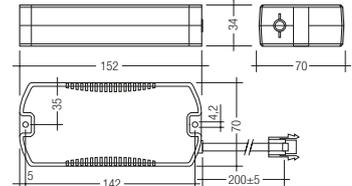


Fig. 2

Ordering data

Type	Article number	Figure	Packaging carton	Packaging outer box	Weight per pc.
Battery pack 1.8 Ah with connector					
Pack-NiCd 3C CON	28001221	1	5 pc(s).	10 pc(s).	0.270 kg
Pack-NiCd 4C CON	28001222	1	5 pc(s).	10 pc(s).	0.320 kg
Battery pack 4.5 Ah with connector					
Pack-NiCd 3D CON	89800389	2	5 pc(s).	10 pc(s).	0.534 kg
Pack-NiCd 4D CON	89800390	2	5 pc(s).	10 pc(s).	0.661 kg

RoHS

ACCES-
SORIES

NiMH Battery pack 2.2 – 4.0 Ah

Product description

- High-temperature NiMH battery pack for use with emergency lighting units
- 4-year design life
- 1-year guarantee

Properties

- Constant high-temperature operation – depending on the emergency lighting unit used (refer to respective emergency control gear datasheet)
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- Certified quality manufacturer
- Casing material made of polycarbonate
- 1.0 mm² stranded wire
- Suitable for emergency lighting equipment as per IEC 60598-2-22



Fig. 1

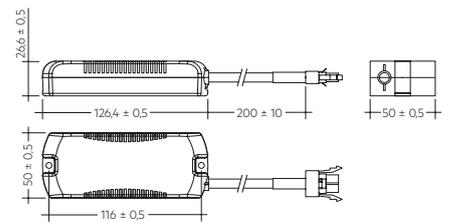
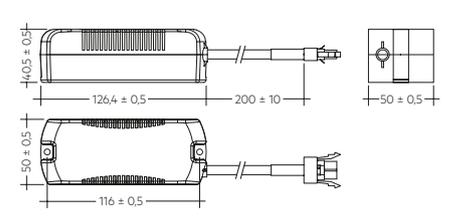


Fig. 2



Ordering data

Type	Article number	Figure	Packaging carton	Packaging outer box	Weight per pc.
Battery pack 2.2 Ah					
Pack-NiMH 2.2Ah 3 CON	28001898	1	5 pc(s).	25 pc(s).	0.32 kg
Pack-NiMH 2.2Ah 4 CON	28001899	1	5 pc(s).	25 pc(s).	0.36 kg
Battery pack 4.0 Ah					
Pack-NiMH 4Ah 3 CON	28001896	2	5 pc(s).	25 pc(s).	0.40 kg
Pack-NiMH 4Ah 4 CON	28001897	2	5 pc(s).	25 pc(s).	0.48 kg



EM powerLED ST FX SR 45 W

Combined emergency lighting LED Driver

Product description

- Independent dimmable LED Driver
- Emergency lighting LED Driver with automatic selftest functionality
- For LED modules with a forward voltage of 20 – 50 V
- SELV for output voltage < 60 V DC
- Compact plastic casing (209 x 82 x 34 mm) with strain relief

Properties

- Output power 6 – 45 W
- Constant current LED operation
- 300 – 1,400 mA output current in mains operation selectable with I-SELECT 2 PLUG in steps of 25 mA
- Integrated emergency lighting unit
- 1, 2 or 3 h rated duration
- Operating time selectable with dip switch (2-way)
- Automatic shutdown of output if the forward voltage of the LED is out of range
- Two-colour status display LED
- Electronic multi-level charge system
- Pulse current charging for NiMH batteries
- Polarity reversal protection for battery
- Deep discharge protection
- Short-circuit-proof battery connection
- 5 years guarantee

Interfaces

- switchDIM, corridorFUNCTION
- Rest mode
- Terminal blocks: 45° push terminals

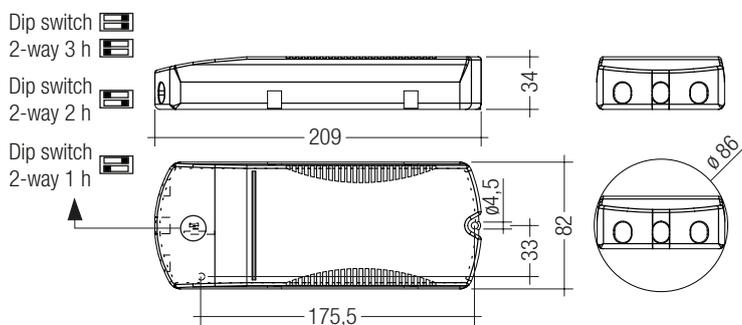
Batteries

- High-temperature cells
 - NiCd or NiMH batteries – D, Cs or LA cells
 - Battery box for independent use
 - 4-year design life, 1-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet



Note: LED Driver supplied with duration dip switch (2-way) in 3 hours position. Duration dip switch and I-SELECT 2 PLUG must be set before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz, normal operation)	0.95
Leakage current (PE)	< 0.5 mA
Overvoltage protection	320 V (for 48 h)
Max. open circuit voltage	60 V
Starting time	< 0.5 s from detection of emergency event
Output LF current ripple (< 120 Hz)	< 2 %
Output current tolerance	7 %
THD normal operation	< 10 %
Ambient temperature $t_a > 40$ W output power	-5 ... +45 °C
Ambient temperature $t_a \leq 40$ W output power	-5 ... +50 °C
Max. casing temperature t_c	75 °C
Dimensions L x W x H	209 x 82 x 34 mm
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Rated duration of cells	Number of cells	Packaging carton	Packaging pallet	Weight per pc.
EM powerLED ST FX 103 SR NiCd 45W 50V	89800432	1/2/3 h	3	10 pc(s).	400 pc(s).	0.245 kg
EM powerLED ST FX 104 SR NiCd 45W 50V	89800414	1/2/3 h	4	10 pc(s).	400 pc(s).	0.245 kg
EM powerLED ST FX 103 SR NiMH 45W 50V	89800503	1/2/3 h	3	10 pc(s).	400 pc(s).	0.245 kg
EM powerLED ST FX 104 SR NiMH 45W 50V	89800507	1/2/3 h	4	10 pc(s).	400 pc(s).	0.245 kg

Specific technical data

Type	Number of battery cells	Output current	Min. output voltage	Max. output voltage	Min. output power	Max. output power	Input power (at 230 V, 50 Hz, full load), fast / trickle charge	Input current (at 230 V, 50 Hz, full load), fast / trickle charge	Efficiency (at 230 V, 50 Hz), fast / trickle charge	λ (at 230 V, 50 Hz, full load)		Ambient temperature ta ¹⁾	tc/ta for ≥ 50.000 h ¹⁾
										Fast charge	Trickle charge		
Normal operation													
	-	300 mA	20 V	50 V	6.0 W	15.00 W	23.0 / 21.0 W	124 / 109 mA	71 / 75 %	0.81c	0.83c	-5 ... 50 °C	50 / 75 °C
	-	325 mA	20 V	50 V	6.5 W	16.25 W	24.2 / 22.8 W	128 / 116 mA	72 / 73 %	0.82c	0.85c	-5 ... 50 °C	50 / 75 °C
	-	350 mA	20 V	50 V	7.0 W	18.00 W	26.0 / 23.0 W	133 / 116 mA	74 / 79 %	0.84c	0.85c	-5 ... 50 °C	50 / 75 °C
	-	375 mA	20 V	50 V	7.5 W	18.75 W	27.0 / 25.0 W	138 / 125 mA	74 / 77 %	0.85c	0.87c	-5 ... 50 °C	50 / 75 °C
	-	400 mA	20 V	50 V	8.0 W	20.00 W	28.0 / 26.0 W	142 / 126 mA	76 / 81 %	0.86c	0.87c	-5 ... 50 °C	50 / 75 °C
	-	425 mA	20 V	50 V	8.5 W	21.25 W	29.8 / 27.8 W	149 / 136 mA	75 / 78 %	0.87c	0.89c	-5 ... 50 °C	50 / 75 °C
	-	450 mA	20 V	50 V	9.0 W	23.00 W	30.0 / 28.0 W	151 / 137 mA	78 / 82 %	0.87c	0.89c	-5 ... 50 °C	50 / 75 °C
	-	475 mA	20 V	50 V	9.5 W	23.75 W	32.6 / 30.6 W	160 / 147 mA	77 / 79 %	0.87c	0.90c	-5 ... 50 °C	50 / 75 °C
	-	500 mA	20 V	50 V	10.0 W	25.00 W	33.0 / 31.0 W	161 / 147 mA	80 / 83 %	0.89c	0.91c	-5 ... 50 °C	50 / 75 °C
	-	525 mA	20 V	50 V	10.5 W	26.25 W	34.6 / 32.7 W	168 / 155 mA	80 / 82 %	0.90c	0.91c	-5 ... 50 °C	50 / 75 °C
	-	550 mA	20 V	50 V	11.0 W	28.00 W	36.0 / 34.0 W	172 / 158 mA	81 / 84 %	0.90c	0.92c	-5 ... 50 °C	50 / 75 °C
	-	575 mA	20 V	50 V	11.5 W	28.75 W	36.9 / 35.2 W	177 / 165 mA	82 / 83 %	0.91c	0.93c	-5 ... 50 °C	50 / 75 °C
	-	600 mA	20 V	50 V	12.0 W	30.00 W	38.0 / 36.0 W	182 / 169 mA	82 / 85 %	0.92c	0.93c	-5 ... 50 °C	50 / 75 °C
	-	625 mA	20 V	50 V	12.5 W	31.25 W	39.6 / 37.7 W	188 / 176 mA	82 / 84 %	0.92c	0.93c	-5 ... 50 °C	50 / 75 °C
	-	650 mA	20 V	50 V	13.0 W	33.00 W	41.0 / 39.0 W	192 / 180 mA	83 / 86 %	0.92c	0.94c	-5 ... 50 °C	50 / 75 °C
	-	675 mA	20 V	50 V	13.5 W	33.75 W	42.1 / 40.0 W	198 / 185 mA	83 / 86 %	0.93c	0.94c	-5 ... 50 °C	50 / 75 °C
	-	700 mA	20 V	50 V	14.0 W	35.00 W	44.0 / 42.0 W	204 / 191 mA	84 / 86 %	0.93c	0.94c	-5 ... 50 °C	50 / 75 °C
	-	725 mA	20 V	50 V	14.5 W	36.25 W	45.1 / 42.9 W	210 / 197 mA	83 / 86 %	0.93c	0.95	-5 ... 50 °C	50 / 75 °C
	-	750 mA	20 V	50 V	15.0 W	38.00 W	46.0 / 44.0 W	215 / 203 mA	84 / 87 %	0.94c	0.95	-5 ... 50 °C	50 / 75 °C
	-	775 mA	20 V	50 V	15.5 W	38.75 W	47.7 / 45.6 W	221 / 209 mA	84 / 86 %	0.94c	0.95	-5 ... 50 °C	50 / 75 °C
	-	800 mA	20 V	50 V	16.0 W	40.00 W	49.0 / 47.0 W	225 / 212 mA	85 / 87 %	0.94c	0.95	-5 ... 50 °C	50 / 75 °C
	-	825 mA	20 V	50 V	16.5 W	41.25 W	50.5 / 48.5 W	233 / 221 mA	84 / 86 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	850 mA	20 V	50 V	17.0 W	43.00 W	51.0 / 49.0 W	235 / 223 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	875 mA	20 V	50 V	17.5 W	43.75 W	52.7 / 51.3 W	241 / 229 mA	86 / 86 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	900 mA	20 V	50 V	18.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	925 mA	20 V	49 V	18.5 W	45.00 W	54.7 / 52.7 W	250 / 238 mA	85 / 86 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	950 mA	20 V	47 V	19.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	975 mA	20 V	46 V	19.5 W	45.00 W	54.6 / 52.5 W	250 / 238 mA	85 / 87 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	1,000 mA	20 V	45 V	20.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	1,025 mA	20 V	44 V	20.5 W	45.00 W	54.1 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	1,050 mA	20 V	42 V	21.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	1,075 mA	20 V	42 V	21.5 W	45.00 W	54.2 / 52.2 W	248 / 236 mA	86 / 87 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	1,100 mA	20 V	40 V	22.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	1,125 mA	20 V	40 V	22.5 W	45.00 W	54.0 / 52.0 W	247 / 236 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	1,150 mA	20 V	39 V	23.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	1,175 mA	20 V	38 V	23.5 W	45.00 W	53.7 / 51.5 W	246 / 233 mA	86 / 89 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	1,200 mA	20 V	37 V	24.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	1,225 mA	20 V	37 V	24.5 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	1,250 mA	20 V	36 V	25.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	1,275 mA	20 V	35 V	25.5 W	45.00 W	54.2 / 52.0 W	248 / 236 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	1,300 mA	20 V	34 V	26.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	1,325 mA	20 V	34 V	26.5 W	45.00 W	54.4 / 52.2 W	248 / 236 mA	85 / 87 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	1,350 mA	20 V	33 V	27.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	1,375 mA	20 V	33 V	27.5 W	45.00 W	54.2 / 52.1 W	248 / 236 mA	86 / 87 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
	-	1,400 mA	20 V	32 V	28.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 90 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
Emergency operation													
EM powerLED ST FX 103 SR 45W 50V	3	see datasheet	15 V	50 V	2.1 W	2.75 W	-	-	-	-	-	-	-
EM powerLED ST FX 104 SR 45W 50V	4	see datasheet	15 V	50 V	2.7 W	3.50 W	-	-	-	-	-	-	-

¹⁾ Ambient temperature range ta defined in normal operation

RoHS

ACCES-
SORIES

Test switch EM2

Product description

- For connection to the emergency lighting unit
- For checking the device function



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 2	89805277	25 pc(s).	600 pc(s).	0.009 kg

RoHS

ACCES-
SORIES

Status indication bi-colour LED EM

Product description

- Two-colour status display LED
- Green: system OK, red: fault



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM bi-colour	89899720	25 pc(s).	200 pc(s).	0.017 kg
LED EM bi-colour, high brightness	89899753	25 pc(s).	200 pc(s).	0.013 kg

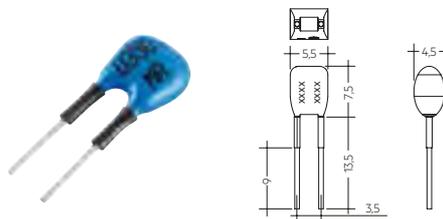
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC as well as with EM powerLED series PRO and ST

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging bag	Weight per pc.
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1,000 mA	5.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1,050 mA	4.76 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 kΩ	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 kΩ	10 pc(s).	0.001 kg

RoHS

ACCES-
SORIES

NiCd Battery pack 1.8 – 4.5 Ah

Product description

- High-temperature NiCd battery pack for use with emergency lighting units
- 4-year design life
- 1-year guarantee

Properties

- Constant high-temperature operation – depending on the emergency lighting unit used (refer to respective emergency control gear datasheet)
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- Certified quality manufacturer
- Casing material made of polycarbonate
- 0.2 m double-insulated cable with plug connection
- 0.8 m double-insulated cable with plug and pre-stripped ends for connection with the emergency unit
- 1.0 mm² solid wire, pre-stripped
- Suitable for emergency lighting equipment as per IEC 60598-2-22

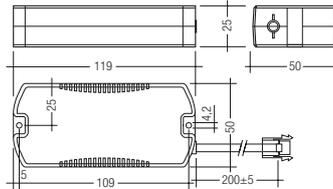


Fig. 1

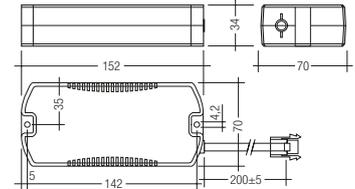


Fig.2

Ordering data

Type	Article number	Figure	Packaging carton	Packaging outer box	Weight per pc.
Battery pack 1.8 Ah with connector					
Pack-NiCd 3C CON	28001221	1	5 pc(s).	10 pc(s).	0.270 kg
Pack-NiCd 4C CON	28001222	1	5 pc(s).	10 pc(s).	0.320 kg
Battery pack 4.5 Ah with connector					
Pack-NiCd 3D CON	89800389	2	5 pc(s).	10 pc(s).	0.534 kg
Pack-NiCd 4D CON	89800390	2	5 pc(s).	10 pc(s).	0.661 kg

RoHS

ACCES-
SORIES

NiMH Battery pack 2.2 – 4.0 Ah

Product description

- High-temperature NiMH battery pack for use with emergency lighting units
- 4-year design life
- 1-year guarantee

Properties

- Constant high-temperature operation – depending on the emergency lighting unit used (refer to respective emergency control gear datasheet)
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- Certified quality manufacturer
- Casing material made of polycarbonate
- 1.0 mm² stranded wire
- Suitable for emergency lighting equipment as per IEC 60598-2-22



Fig. 1

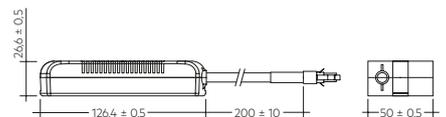
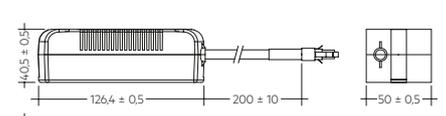


Fig. 2



Ordering data

Type	Article number	Figure	Packaging carton	Packaging outer box	Weight per pc.
Battery pack 2.2 Ah					
Pack-NiMH 2.2Ah 3 CON	28001898	1	5 pc(s).	25 pc(s).	0.32 kg
Pack-NiMH 2.2Ah 4 CON	28001899	1	5 pc(s).	25 pc(s).	0.36 kg
Battery pack 4.0 Ah					
Pack-NiMH 4Ah 3 CON	28001896	2	5 pc(s).	25 pc(s).	0.40 kg
Pack-NiMH 4Ah 4 CON	28001897	2	5 pc(s).	25 pc(s).	0.48 kg



EM powerLED PRO DIM C 45 W

Combined emergency lighting LED Driver

Product description

- Dimmable built-in LED Driver
- Emergency lighting LED Driver with DALI interface and automatic test function
- For LED modules with a forward voltage of 20 – 50 V
- SELV for output voltage < 60 V DC
- Compact plastic casing (183 x 82 x 34 mm)

Properties

- Output power 6 – 45 W
- Constant current LED operation
- 300 – 1,400 mA output current in mains operation selectable with I-SELECT 2 PLUG in steps of 25 mA or via DALI in steps of 1 mA
- Integrated emergency lighting unit
- 1, 2 or 3 h rated duration
- Operating time selectable with dip switch (2-way)
- Automatic shutdown of output if the forward voltage of the LED is out of range
- Two-colour status display LED
- Electronic multi-level charge system
- Pulse current charging for NiMH batteries
- Polarity reversal protection for battery
- Power-up fading at AC
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Deep discharge protection
- Short-circuit-proof battery connection
- 5 years guarantee

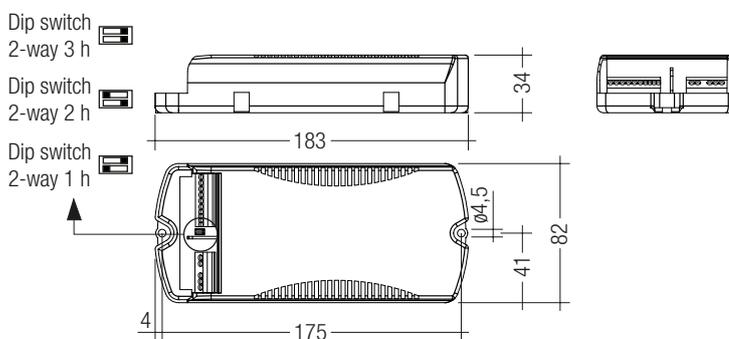
Interfaces

- one4all (DALI DT 1 & 6, DSI, switchDIM, corridorFUNCTION)
- Terminal blocks: 45° push terminals

Batteries

- High-temperature cells
- NiCd or NiMH batteries – D, Cs or LA cells
- Battery box for independent use
- 4-year design life, 1-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request



Note: LED Driver supplied with duration dip switch (2-way) in 3 hours position. Duration dip switch and I-SELECT 2 PLUG must be set before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz, normal operation)	0.95
Leakage current (PE)	< 0.5 mA
Overvoltage protection	320 V (for 48 h)
Max. open circuit voltage	60 V
Starting time	< 0.5 s from detection of emergency event
Output LF current ripple (< 120 Hz)	< 2 %
Output current tolerance	7 %
THD normal operation	< 10 %
Ambient temperature $t_a > 40$ W output power	-5 ... +45 °C
Ambient temperature $t_a \leq 40$ W output power	-5 ... +50 °C
Max. casing temperature t_c	75 °C
Dimensions L x W x H	183 x 82 x 34 mm
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Rated duration	Number of cells	Pack-aging, carton	Pack-aging, pallet	Weight per pc.
EM powerLED PRO DIM 103 C NiCd 45W 50V	89800433	1/2/3 h	3	10 pc(s).	400 pc(s).	0.227 kg
EM powerLED PRO DIM 104 C NiCd 45W 50V	89800415	1/2/3 h	4	10 pc(s).	400 pc(s).	0.227 kg
EM powerLED PRO DIM 103 C NiMH 45W 50V	89800504	1/2/3 h	3	10 pc(s).	400 pc(s).	0.227 kg
EM powerLED PRO DIM 104 C NiMH 45W 50V	89800508	1/2/3 h	4	10 pc(s).	400 pc(s).	0.227 kg

Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Number of battery cells	Output current	Min. output voltage	Max. output voltage	Min. output power	Max. output power	Input power (at 230 V, 50 Hz, full load), fast / trickle charge	Input current (at 230 V, 50 Hz, full load), fast / trickle charge	Efficiency (at 230 V, 50 Hz), fast / trickle charge	λ (at 230 V, 50 Hz, full load)		Ambient temperature ta ¹⁾	tc/ta for ≥ 50.000 h ¹⁾
										Fast charge	Trickle charge		
Normal operation													
-	300 mA	20 V	50 V	6.0 W	15.00 W	23.0 / 21.0 W	124 / 109 mA	71 / 75 %	0.81c	0.83c	-5 ... 50 °C	50 / 75 °C	
-	325 mA	20 V	50 V	6.5 W	16.25 W	24.2 / 22.8 W	128 / 116 mA	72 / 73 %	0.82c	0.85c	-5 ... 50 °C	50 / 75 °C	
-	350 mA	20 V	50 V	7.0 W	18.00 W	26.0 / 23.0 W	133 / 116 mA	74 / 79 %	0.84c	0.85c	-5 ... 50 °C	50 / 75 °C	
-	375 mA	20 V	50 V	7.5 W	18.75 W	27.0 / 25.0 W	138 / 125 mA	74 / 77 %	0.85c	0.87c	-5 ... 50 °C	50 / 75 °C	
-	400 mA	20 V	50 V	8.0 W	20.00 W	28.0 / 26.0 W	142 / 126 mA	76 / 81 %	0.86c	0.87c	-5 ... 50 °C	50 / 75 °C	
-	425 mA	20 V	50 V	8.5 W	21.25 W	29.8 / 27.8 W	149 / 136 mA	75 / 78 %	0.87c	0.89c	-5 ... 50 °C	50 / 75 °C	
-	450 mA	20 V	50 V	9.0 W	23.00 W	30.0 / 28.0 W	151 / 137 mA	78 / 82 %	0.87c	0.89c	-5 ... 50 °C	50 / 75 °C	
-	475 mA	20 V	50 V	9.5 W	23.75 W	32.6 / 30.6 W	160 / 147 mA	77 / 79 %	0.87c	0.90c	-5 ... 50 °C	50 / 75 °C	
-	500 mA	20 V	50 V	10.0 W	25.00 W	33.0 / 31.0 W	161 / 147 mA	80 / 83 %	0.89c	0.91c	-5 ... 50 °C	50 / 75 °C	
-	525 mA	20 V	50 V	10.5 W	26.25 W	34.6 / 32.7 W	168 / 155 mA	80 / 82 %	0.90c	0.91c	-5 ... 50 °C	50 / 75 °C	
-	550 mA	20 V	50 V	11.0 W	28.00 W	36.0 / 34.0 W	172 / 158 mA	81 / 84 %	0.90c	0.92c	-5 ... 50 °C	50 / 75 °C	
-	575 mA	20 V	50 V	11.5 W	28.75 W	36.9 / 35.2 W	177 / 165 mA	82 / 83 %	0.91c	0.93c	-5 ... 50 °C	50 / 75 °C	
-	600 mA	20 V	50 V	12.0 W	30.00 W	38.0 / 36.0 W	182 / 169 mA	82 / 85 %	0.92c	0.93c	-5 ... 50 °C	50 / 75 °C	
-	625 mA	20 V	50 V	12.5 W	31.25 W	39.6 / 37.7 W	188 / 176 mA	82 / 84 %	0.92c	0.93c	-5 ... 50 °C	50 / 75 °C	
-	650 mA	20 V	50 V	13.0 W	33.00 W	41.0 / 39.0 W	192 / 180 mA	83 / 86 %	0.92c	0.94c	-5 ... 50 °C	50 / 75 °C	
-	675 mA	20 V	50 V	13.5 W	33.75 W	42.1 / 40.0 W	198 / 185 mA	83 / 86 %	0.93c	0.94c	-5 ... 50 °C	50 / 75 °C	
-	700 mA	20 V	50 V	14.0 W	35.00 W	44.0 / 42.0 W	204 / 191 mA	84 / 86 %	0.93c	0.94c	-5 ... 50 °C	50 / 75 °C	
-	725 mA	20 V	50 V	14.5 W	36.25 W	45.1 / 42.9 W	210 / 197 mA	83 / 86 %	0.93c	0.95	-5 ... 50 °C	50 / 75 °C	
-	750 mA	20 V	50 V	15.0 W	38.00 W	46.0 / 44.0 W	215 / 203 mA	84 / 87 %	0.94c	0.95	-5 ... 50 °C	50 / 75 °C	
-	775 mA	20 V	50 V	15.5 W	38.75 W	47.7 / 45.6 W	221 / 209 mA	84 / 86 %	0.94c	0.95	-5 ... 50 °C	50 / 75 °C	
-	800 mA	20 V	50 V	16.0 W	40.00 W	49.0 / 47.0 W	225 / 212 mA	85 / 87 %	0.94c	0.95	-5 ... 50 °C	50 / 75 °C	
-	825 mA	20 V	50 V	16.5 W	41.25 W	50.5 / 48.5 W	233 / 221 mA	84 / 86 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	850 mA	20 V	50 V	17.0 W	43.00 W	51.0 / 49.0 W	235 / 223 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	875 mA	20 V	50 V	17.5 W	43.75 W	52.7 / 51.3 W	241 / 229 mA	86 / 86 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	900 mA	20 V	50 V	18.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	925 mA	20 V	49 V	18.5 W	45.00 W	54.7 / 52.7 W	250 / 238 mA	85 / 86 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	950 mA	20 V	47 V	19.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	975 mA	20 V	46 V	19.5 W	45.00 W	54.6 / 52.5 W	250 / 238 mA	85 / 87 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	1,000 mA	20 V	45 V	20.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	1,025 mA	20 V	44 V	20.5 W	45.00 W	54.1 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	1,050 mA	20 V	42 V	21.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	1,075 mA	20 V	42 V	21.5 W	45.00 W	54.2 / 52.2 W	248 / 236 mA	86 / 87 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	1,100 mA	20 V	40 V	22.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	1,125 mA	20 V	40 V	22.5 W	45.00 W	54.0 / 52.0 W	247 / 236 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	1,150 mA	20 V	39 V	23.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	1,175 mA	20 V	38 V	23.5 W	45.00 W	53.7 / 51.5 W	246 / 233 mA	86 / 89 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	1,200 mA	20 V	37 V	24.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	1,225 mA	20 V	37 V	24.5 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	1,250 mA	20 V	36 V	25.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	1,275 mA	20 V	35 V	25.5 W	45.00 W	54.2 / 52.0 W	248 / 236 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	1,300 mA	20 V	34 V	26.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	1,325 mA	20 V	34 V	26.5 W	45.00 W	54.4 / 52.2 W	248 / 236 mA	85 / 87 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	1,350 mA	20 V	33 V	27.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	1,375 mA	20 V	33 V	27.5 W	45.00 W	54.2 / 52.1 W	248 / 236 mA	86 / 87 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
-	1,400 mA	20 V	32 V	28.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 90 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C	
Emergency operation													
EM powerLED PRO DIM 103 C 45W 50V	3	see datasheet	15 V	50 V	21 W	2.75 W	-	-	-	-	-	-	-
EM powerLED PRO DIM 104 C 45W 50V	4	see datasheet	15 V	50 V	2.7 W	3.50 W	-	-	-	-	-	-	-

¹⁾ Ambient temperature range ta defined in normal operation

RoHS

Product description

- For connection to the emergency lighting unit
- For checking the device function

ACCESSORIES

Test switch EM2



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 2	89805277	25 pc(s).	600 pc(s).	0.009 kg

RoHS

Product description

- Two-colour status display LED
- Green: system OK, red: fault

ACCESSORIES

Status indication bi-colour LED EM



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM bi-colour	89899720	25 pc(s).	200 pc(s).	0.017 kg
LED EM bi-colour, high brightness	89899753	25 pc(s).	200 pc(s).	0.013 kg

RoHS

ACCESSORIES

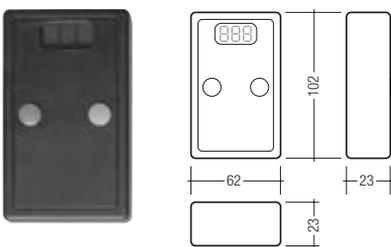
Addressing tool

Product description

- Provides simple addressing for all PRO units
- Uses the bi-colour LED for device identification

Properties

- Takes standard 9 V battery
- Easy two button operation
- Belt clip
- Auto power off to conserve battery
- Bright 7 segment LED display



Ordering data

Type	Article number	Packaging carton	Weight per pc.
EM PRO addressing tool	89899836	1 pc(s).	0.08 kg

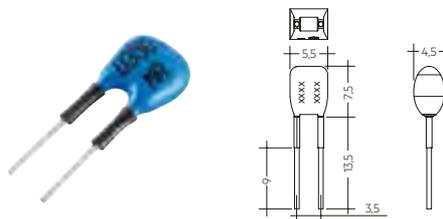
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC as well as with EM powerLED series PRO and ST

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging bag	Weight per pc.
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1,000 mA	5.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1,050 mA	4.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 k Ω	10 pc(s).	0.001 kg

RoHS

ACCES-
SORIES

NiCd Battery pack 1.8 – 4.5 Ah

Product description

- High-temperature NiCd battery pack for use with emergency lighting units
- 4-year design life
- 1-year guarantee

Properties

- Constant high-temperature operation – depending on the emergency lighting unit used (refer to respective emergency control gear datasheet)
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- Certified quality manufacturer
- Casing material made of polycarbonate
- 0.2 m double-insulated cable with plug connection
- 0.8 m double-insulated cable with plug and pre-stripped ends for connection with the emergency unit
- 1.0 mm² solid wire, pre-stripped
- Suitable for emergency lighting equipment as per IEC 60598-2-22

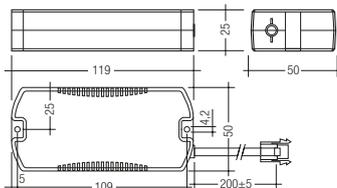


Fig. 1

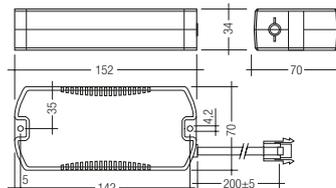


Fig. 2

Ordering data

Type	Article number	Figure	Packaging carton	Packaging outer box	Weight per pc.
Battery pack 1.8 Ah with connector					
Pack-NiCd 3C CON	28001221	1	5 pc(s).	10 pc(s).	0.270 kg
Pack-NiCd 4C CON	28001222	1	5 pc(s).	10 pc(s).	0.320 kg
Battery pack 4.5 Ah with connector					
Pack-NiCd 3D CON	89800389	2	5 pc(s).	10 pc(s).	0.534 kg
Pack-NiCd 4D CON	89800390	2	5 pc(s).	10 pc(s).	0.661 kg

RoHS

ACCES-
SORIES

NiMH Battery pack 2.2 – 4.0 Ah

Product description

- High-temperature NiMH battery pack for use with emergency lighting units
- 4-year design life
- 1-year guarantee

Properties

- Constant high-temperature operation – depending on the emergency lighting unit used (refer to respective emergency control gear datasheet)
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- Certified quality manufacturer
- Casing material made of polycarbonate
- 1.0 mm² stranded wire
- Suitable for emergency lighting equipment as per IEC 60598-2-22



Fig. 1

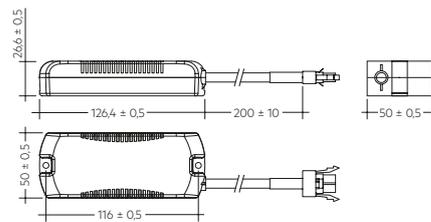
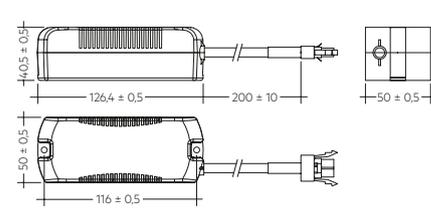


Fig. 2



Ordering data

Type	Article number	Figure	Packaging carton	Packaging outer box	Weight per pc.
Battery pack 2.2 Ah					
Pack-NiMH 2.2Ah 3 CON	28001898	1	5 pc(s).	25 pc(s).	0.32 kg
Pack-NiMH 2.2Ah 4 CON	28001899	1	5 pc(s).	25 pc(s).	0.36 kg
Battery pack 4.0 Ah					
Pack-NiMH 4Ah 3 CON	28001896	2	5 pc(s).	25 pc(s).	0.40 kg
Pack-NiMH 4Ah 4 CON	28001897	2	5 pc(s).	25 pc(s).	0.48 kg



EM powerLED PRO DIM SR 45 W

Combined emergency lighting LED Driver

Product description

- Independent dimmable LED Driver
- Emergency lighting LED Driver with DALI interface and automatic test function
- For LED modules with a forward voltage of 20 – 50 V
- SELV for output voltage < 60 V DC
- Compact plastic casing (209 x 82 x 34 mm) with strain relief

Properties

- Output power 6 – 45 W
- Constant current LED operation
- 300 – 1,400 mA output current in mains operation selectable with I-SELECT 2 PLUG in steps of 25 mA or via DALI in steps of 1 mA
- Integrated emergency lighting unit
- 1, 2 or 3 h rated duration
- Operating time selectable with dip switch (2-way)
- Automatic shutdown of output if the forward voltage of the LED is out of range
- Two-colour status display LED
- Electronic multi-level charge system
- Pulse current charging for NiMH batteries
- Polarity reversal protection for battery
- Power-up fading at AC
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Deep discharge protection
- Short-circuit-proof battery connection
- 5 years guarantee

Interfaces

- one4all (DALI DT 1 & 6, DSI, switchDIM, corridorFUNCTION)
- Terminal blocks: 45° push terminals

Batteries

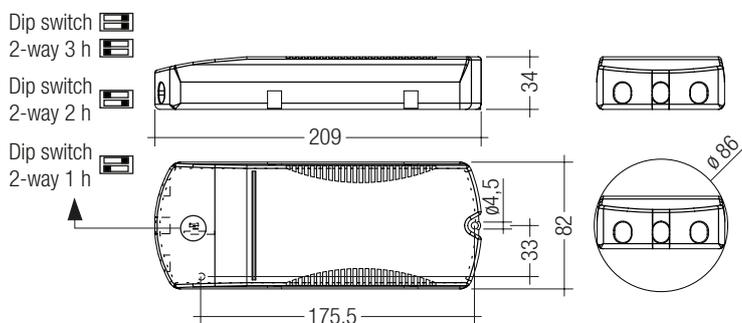
- High-temperature cells
- NiCd or NiMH batteries – D, Cs or LA cells
- Battery box for independent use
- 4-year design life, 1-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request



Standards, page 696 – Batteries, page 802

For wiring diagrams and installation examples see data sheet



Note: LED Driver supplied with duration dip switch (2-way) in 3 hours position. Duration dip switch and I-SELECT 2 PLUG must be set before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz, normal operation)	0.95
Leakage current (PE)	< 0.5 mA
Overvoltage protection	320 V (for 48 h)
Max. open circuit voltage	60 V
Starting time	< 0.5 s from detection of emergency event
Output LF current ripple (< 120 Hz)	< 2 %
Output current tolerance	7 %
THD normal operation	< 10 %
Ambient temperature t_a > 40 W output power	-5 ... +45 °C
Ambient temperature t_a \leq 40 W output power	-5 ... +50 °C
Max. casing temperature t_c	75 °C
Dimensions L x W x H	209 x 82 x 34 mm
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Rated duration	Number of cells	Pack-aging, carton	Pack-aging, pallet	Weight per pc.
EM powerLED PRO DIM 103 SR NiCd 45W 50V	89800434	1/2/3 h	3	10 pc(s).	400 pc(s).	0.245 kg
EM powerLED PRO DIM 104 SR NiCd 45W 50V	89800416	1/2/3 h	4	10 pc(s).	400 pc(s).	0.245 kg
EM powerLED PRO DIM 103 SR NiMH 45W 50V	89800505	1/2/3 h	3	10 pc(s).	400 pc(s).	0.245 kg
EM powerLED PRO DIM 104 SR NiMH 45W 50V	89800509	1/2/3 h	4	10 pc(s).	400 pc(s).	0.245 kg

Specific technical data

Type	Number of battery cells	Output current	Min. output voltage	Max. output voltage	Min. output power	Max. output power	Input power (at 230 V, 50 Hz, full load), fast / trickle charge	Input current (at 230 V, 50 Hz, full load), fast / trickle charge	Efficiency (at 230 V, 50 Hz), fast / trickle charge	λ (at 230 V, 50 Hz, full load)		Ambient temperature ta ¹⁾	tc/ta for ≥ 50.000 h ¹⁾
										Fast charge	Trickle charge		
Normal operation													
-		300 mA	20 V	50 V	6.0 W	15.00 W	23.0 / 21.0 W	124 / 109 mA	71 / 75 %	0.81c	0.83c	-5 ... 50 °C	50 / 75 °C
-		325 mA	20 V	50 V	6.5 W	16.25 W	24.2 / 22.8 W	128 / 116 mA	72 / 73 %	0.82c	0.85c	-5 ... 50 °C	50 / 75 °C
-		350 mA	20 V	50 V	7.0 W	18.00 W	26.0 / 23.0 W	133 / 116 mA	74 / 79 %	0.84c	0.85c	-5 ... 50 °C	50 / 75 °C
-		375 mA	20 V	50 V	7.5 W	18.75 W	27.0 / 25.0 W	138 / 125 mA	74 / 77 %	0.85c	0.87c	-5 ... 50 °C	50 / 75 °C
-		400 mA	20 V	50 V	8.0 W	20.00 W	28.0 / 26.0 W	142 / 126 mA	76 / 81 %	0.86c	0.87c	-5 ... 50 °C	50 / 75 °C
-		425 mA	20 V	50 V	8.5 W	21.25 W	29.8 / 27.8 W	149 / 136 mA	75 / 78 %	0.87c	0.89c	-5 ... 50 °C	50 / 75 °C
-		450 mA	20 V	50 V	9.0 W	23.00 W	30.0 / 28.0 W	151 / 137 mA	78 / 82 %	0.87c	0.89c	-5 ... 50 °C	50 / 75 °C
-		475 mA	20 V	50 V	9.5 W	23.75 W	32.6 / 30.6 W	160 / 147 mA	77 / 79 %	0.87c	0.90c	-5 ... 50 °C	50 / 75 °C
-		500 mA	20 V	50 V	10.0 W	25.00 W	33.0 / 31.0 W	161 / 147 mA	80 / 83 %	0.89c	0.91c	-5 ... 50 °C	50 / 75 °C
-		525 mA	20 V	50 V	10.5 W	26.25 W	34.6 / 32.7 W	168 / 155 mA	80 / 82 %	0.90c	0.91c	-5 ... 50 °C	50 / 75 °C
-		550 mA	20 V	50 V	11.0 W	28.00 W	36.0 / 34.0 W	172 / 158 mA	81 / 84 %	0.90c	0.92c	-5 ... 50 °C	50 / 75 °C
-		575 mA	20 V	50 V	11.5 W	28.75 W	36.9 / 35.2 W	177 / 165 mA	82 / 83 %	0.91c	0.93c	-5 ... 50 °C	50 / 75 °C
-		600 mA	20 V	50 V	12.0 W	30.00 W	38.0 / 36.0 W	182 / 169 mA	82 / 85 %	0.92c	0.93c	-5 ... 50 °C	50 / 75 °C
-		625 mA	20 V	50 V	12.5 W	31.25 W	39.6 / 37.7 W	188 / 176 mA	82 / 84 %	0.92c	0.93c	-5 ... 50 °C	50 / 75 °C
-		650 mA	20 V	50 V	13.0 W	33.00 W	41.0 / 39.0 W	192 / 180 mA	83 / 86 %	0.92c	0.94c	-5 ... 50 °C	50 / 75 °C
-		675 mA	20 V	50 V	13.5 W	33.75 W	42.1 / 40.0 W	198 / 185 mA	83 / 86 %	0.93c	0.94c	-5 ... 50 °C	50 / 75 °C
-		700 mA	20 V	50 V	14.0 W	35.00 W	44.0 / 42.0 W	204 / 191 mA	84 / 86 %	0.93c	0.94c	-5 ... 50 °C	50 / 75 °C
-		725 mA	20 V	50 V	14.5 W	36.25 W	45.1 / 42.9 W	210 / 197 mA	83 / 86 %	0.93c	0.95	-5 ... 50 °C	50 / 75 °C
-		750 mA	20 V	50 V	15.0 W	38.00 W	46.0 / 44.0 W	215 / 203 mA	84 / 87 %	0.94c	0.95	-5 ... 50 °C	50 / 75 °C
-		775 mA	20 V	50 V	15.5 W	38.75 W	47.7 / 45.6 W	221 / 209 mA	84 / 86 %	0.94c	0.95	-5 ... 50 °C	50 / 75 °C
-		800 mA	20 V	50 V	16.0 W	40.00 W	49.0 / 47.0 W	225 / 212 mA	85 / 87 %	0.94c	0.95	-5 ... 50 °C	50 / 75 °C
-		825 mA	20 V	50 V	16.5 W	41.25 W	50.5 / 48.5 W	233 / 221 mA	84 / 86 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		850 mA	20 V	50 V	17.0 W	43.00 W	51.0 / 49.0 W	235 / 223 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		875 mA	20 V	50 V	17.5 W	43.75 W	52.7 / 51.3 W	241 / 229 mA	86 / 86 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		900 mA	20 V	50 V	18.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		925 mA	20 V	49 V	18.5 W	45.00 W	54.7 / 52.7 W	250 / 238 mA	85 / 86 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		950 mA	20 V	47 V	19.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		975 mA	20 V	46 V	19.5 W	45.00 W	54.6 / 52.5 W	250 / 238 mA	85 / 87 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,000 mA	20 V	45 V	20.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,025 mA	20 V	44 V	20.5 W	45.00 W	54.1 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,050 mA	20 V	42 V	21.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,075 mA	20 V	42 V	21.5 W	45.00 W	54.2 / 52.2 W	248 / 236 mA	86 / 87 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,100 mA	20 V	40 V	22.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,125 mA	20 V	40 V	22.5 W	45.00 W	54.0 / 52.0 W	247 / 236 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,150 mA	20 V	39 V	23.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,175 mA	20 V	38 V	23.5 W	45.00 W	53.7 / 51.5 W	246 / 233 mA	86 / 89 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,200 mA	20 V	37 V	24.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,225 mA	20 V	37 V	24.5 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,250 mA	20 V	36 V	25.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,275 mA	20 V	35 V	25.5 W	45.00 W	54.2 / 52.0 W	248 / 236 mA	86 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,300 mA	20 V	34 V	26.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,325 mA	20 V	34 V	26.5 W	45.00 W	54.4 / 52.2 W	248 / 236 mA	85 / 87 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,350 mA	20 V	33 V	27.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 88 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,375 mA	20 V	33 V	27.5 W	45.00 W	54.2 / 52.1 W	248 / 236 mA	86 / 87 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
-		1,400 mA	20 V	32 V	28.0 W	45.00 W	54.0 / 52.0 W	247 / 235 mA	87 / 90 %	0.95	0.96	-5 ... 50 °C	50 / 75 °C
Emergency operation													
EM powerLED PRO DIM 103 C 45W 50V	3	see datasheet	15 V	50 V	2.1 W	2.75 W	-	-	-	-	-	-	-
EM powerLED PRO DIM 104 C 45W 50V	4	see datasheet	15 V	50 V	2.7 W	3.50 W	-	-	-	-	-	-	-

¹⁾ Ambient temperature range ta defined in normal operation

RoHS

Product description

- For connection to the emergency lighting unit
- For checking the device function

ACCES-
SORIES**Test switch EM2****Ordering data**

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
Test switch EM 2	89805277	25 pc(s).	600 pc(s).	0.009 kg

RoHS

Product description

- Two-colour status display LED
- Green: system OK, red: fault

ACCES-
SORIES**Status indication bi-colour LED EM****Ordering data**

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM bi-colour	89899720	25 pc(s).	200 pc(s).	0.017 kg
LED EM bi-colour, high brightness	89899753	25 pc(s).	200 pc(s).	0.013 kg

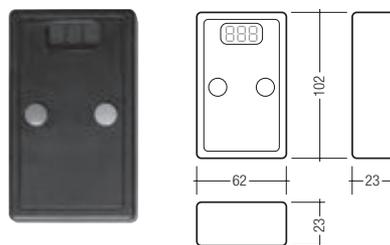
RoHS

ACCES-
SORIES**Addressing tool****Product description**

- Provides simple addressing for all PRO units
- Uses the bi-colour LED for device identification

Properties

- Takes standard 9 V battery
- Easy two button operation
- Belt clip
- Auto power off to conserve battery
- Bright 7 segment LED display

**Ordering data**

Type	Article number	Packaging carton	Weight per pc.
EM PRO addressing tool	89899836	1 pc(s).	0.08 kg

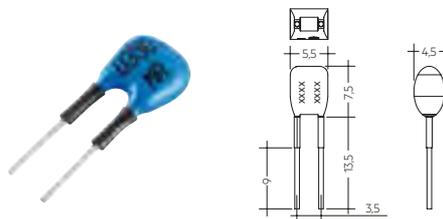
I-SELECT 2 PLUG PRE / EXC

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance $\pm 2\%$ additional to output current tolerance
- Compatible with LED Driver series PRE and EXC as well as with EM powerLED series PRO and ST

Example of calculation

- $R [k\Omega] = 5 V / I_{out} [mA] \times 1000$
- Resistor value tolerance $\leq 1\%$; resistor power $\geq 0.1 W$; base isolation necessary
- When using a resistor value beyond the specified range, the output current will automatically be set to the minimum value (resistor value too big), respectively to the maximum value (resistor value too small)



Ordering data

Type	Article number	Colour	Marking	Current	Resistor value	Packaging bag	Weight per pc.
I-SELECT 2 PLUG 300MA BL	28001108	Blue	0300 mA	300 mA	16.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	28001109	Blue	0325 mA	325 mA	15.38 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	28001110	Blue	0350 mA	350 mA	14.29 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	28001111	Blue	0375 mA	375 mA	13.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	28001112	Blue	0400 mA	400 mA	12.50 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 425MA BL	28001251	Blue	0425 mA	425 mA	11.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 450MA BL	28001113	Blue	0450 mA	450 mA	11.11 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 475MA BL	28001252	Blue	0475 mA	475 mA	10.53 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	28001114	Blue	0500 mA	500 mA	10.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 550MA BL	28001115	Blue	0550 mA	550 mA	9.09 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 600MA BL	28001116	Blue	0600 mA	600 mA	8.33 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 650MA BL	28001117	Blue	0650 mA	650 mA	7.69 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	28001118	Blue	0700 mA	700 mA	7.14 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 750MA BL	28001119	Blue	0750 mA	750 mA	6.67 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 800MA BL	28001120	Blue	0800 mA	800 mA	6.25 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 850MA BL	28001121	Blue	0850 mA	850 mA	5.88 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 900MA BL	28001122	Blue	0900 mA	900 mA	5.56 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 950MA BL	28001123	Blue	0950 mA	950 mA	5.26 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1000MA BL	28001124	Blue	1000 mA	1,000 mA	5.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1050MA BL	28001125	Blue	1050 mA	1,050 mA	4.76 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1100MA BL	28001126	Blue	1100 mA	1,100 mA	4.55 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1150MA BL	28001127	Blue	1150 mA	1,150 mA	4.35 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1200MA BL	28001128	Blue	1200 mA	1,200 mA	4.17 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1250MA BL	28001129	Blue	1250 mA	1,250 mA	4.00 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1300MA BL	28001130	Blue	1300 mA	1,300 mA	3.85 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1350MA BL	28001131	Blue	1350 mA	1,350 mA	3.70 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 1400MA BL	28001132	Blue	1400 mA	1,400 mA	3.57 k Ω	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	28001099	Blue	MAX	MAX	0.00 k Ω	10 pc(s).	0.001 kg

RoHS

ACCES-
SORIES

NiCd Battery pack 1.8 – 4.5 Ah

Product description

- High-temperature NiCd battery pack for use with emergency lighting units
- 4-year design life
- 1-year guarantee

Properties

- Constant high-temperature operation – depending on the emergency lighting unit used (refer to respective emergency control gear datasheet)
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- Certified quality manufacturer
- Casing material made of polycarbonate
- 0.2 m double-insulated cable with plug connection
- 0.8 m double-insulated cable with plug and pre-stripped ends for connection with the emergency unit
- 1.0 mm² solid wire, pre-stripped
- Suitable for emergency lighting equipment as per IEC 60598-2-22

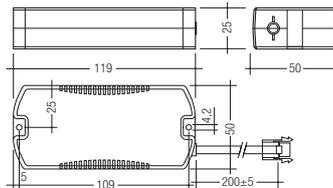


Fig. 1

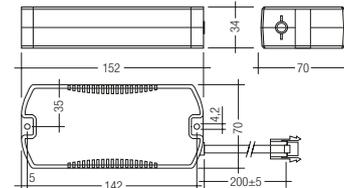


Fig. 2

Ordering data

Type	Article number	Figure	Packaging carton	Packaging outer box	Weight per pc.
Battery pack 1.8 Ah with connector					
Pack-NiCd 3C CON	28001221	1	5 pc(s).	10 pc(s).	0.270 kg
Pack-NiCd 4C CON	28001222	1	5 pc(s).	10 pc(s).	0.320 kg
Battery pack 4.5 Ah with connector					
Pack-NiCd 3D CON	89800389	2	5 pc(s).	10 pc(s).	0.534 kg
Pack-NiCd 4D CON	89800390	2	5 pc(s).	10 pc(s).	0.661 kg

RoHS

ACCES-
SORIES

NiMH Battery pack 2.2 – 4.0 Ah

Product description

- High-temperature NiMH battery pack for use with emergency lighting units
- 4-year design life
- 1-year guarantee

Properties

- Constant high-temperature operation – depending on the emergency lighting unit used (refer to respective emergency control gear datasheet)
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- Certified quality manufacturer
- Casing material made of polycarbonate
- 1.0 mm² stranded wire
- Suitable for emergency lighting equipment as per IEC 60598-2-22



Fig. 1

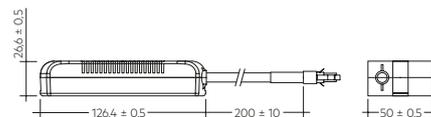
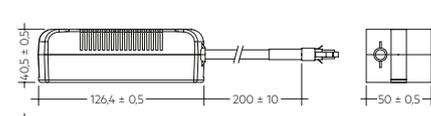


Fig. 2



Ordering data

Type	Article number	Figure	Packaging carton	Packaging outer box	Weight per pc.
Battery pack 2.2 Ah					
Pack-NiMH 2.2Ah 3 CON	28001898	1	5 pc(s).	25 pc(s).	0.32 kg
Pack-NiMH 2.2Ah 4 CON	28001899	1	5 pc(s).	25 pc(s).	0.36 kg
Battery pack 4.0 Ah					
Pack-NiMH 4Ah 3 CON	28001896	2	5 pc(s).	25 pc(s).	0.40 kg
Pack-NiMH 4Ah 4 CON	28001897	2	5 pc(s).	25 pc(s).	0.48 kg



EM powerLED CPS FX 80 W

LED Driver for AC and DC power supplies

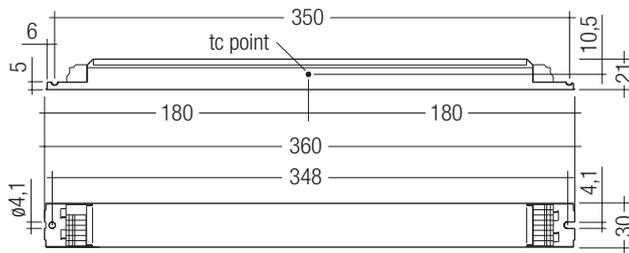
Product description

- Fixed output LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF)
- Emergency lighting function for use in central battery systems
- For LED modules with a forward voltage of 50 – 230 V
- For luminaire installation
- Low profile casing (21 x 30 mm cross-section)
- 5 years guarantee

Properties

- 25 – 80 W output power
- Constant current LED operation
- 150 – 500 mA output current selectable with I-SELECT PLUG in steps of 25 mA
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- Light output in DC operation (EoF): 0.1 or 1
- Automatic shutdown of output if LED load is out of range

→ For product data sheet go to www.tridonic.com, or available on request



Note: I-SELECT PLUG must be set before mains connection.

Technical data

Rated supply voltage	220 – 240 V
Voltage range AC	198 – 264 V
Voltage range DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. λ (at 230 V, 50 Hz, normal operation)	0.97
Typ. λ (at 230 V, 50 Hz, CF operation)	0.65c
Leakage current (PE)	< 0.5 mA
Overvoltage protection	320 V (for 1 h)
Max. open circuit voltage	250 V
Starting time	< 0.5 s
Output LF current ripple (< 120 Hz)	< 2 %
Output current tolerance	± 7 %
THD normal operation	< 10 %
THD CF operation	< 25 %
Ambient temperature $t_a \leq 65$ W	-5 ... +55 °C
Ambient temperature $t_a > 65$ W	-5 ... +50 °C
Max. casing temperature t_c	80 °C
Dimensions LxWxH	360 x 30 x 21 mm
Type of protection	IP20

Ordering data

Type	Article number	Packaging carton	Packaging pallet	Weight per pc.
EM powerLED CPS FX LP 80W	89800435	10 pc(s).	600 pc(s).	0.253 kg



Standards, [page 696](#)

For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Output current	Min. output voltage ²⁾	Max. output voltage ²⁾	Min. output power	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	Efficiency (230 V, 50 Hz)	λ (at 230 V, full load)		Ambient temperature ta ¹⁾	tc/ta for $\geq 50,000$ h ¹⁾	I sel resistor value
									AC	DC			
Normal operation AC / DC (100 %)													
EM powerLED CPS FX LP 80W	150 mA	168 V	230 V	25 W	34.5 W	40 W	200 / 170 mA	86 %	0.85c	1	-5 ... +55 °C	78 / 55 °C	open
	175 mA	142 V	230 V	25 W	40.3 W	45 W	220 / 190 mA	90 %	0.90c	1	-5 ... +55 °C	78 / 55 °C	64.90 k Ω
	200 mA	126 V	230 V	25 W	46.0 W	50 W	250 / 220 mA	92 %	0.90c	1	-5 ... +55 °C	78 / 55 °C	56.00 k Ω
	225 mA	111 V	230 V	25 W	51.8 W	56 W	270 / 240 mA	93 %	0.90c	1	-5 ... +55 °C	78 / 55 °C	48.70 k Ω
	250 mA	100 V	230 V	25 W	57.5 W	62 W	300 / 270 mA	93 %	0.95	1	-5 ... +55 °C	78 / 55 °C	43.20 k Ω
	275 mA	90 V	230 V	25 W	63.3 W	68 W	320 / 300 mA	93 %	0.95	1	-5 ... +50 °C	78 / 50 °C	36.50 k Ω
	300 mA	83 V	230 V	25 W	69.0 W	74 W	350 / 320 mA	93 %	0.97	1	-5 ... +50 °C	78 / 50 °C	32.40 k Ω
	325 mA	76 V	230 V	25 W	74.8 W	80 W	370 / 350 mA	94 %	0.97	1	-5 ... +50 °C	78 / 50 °C	28.70 k Ω
	350 mA	70 V	228 V	25 W	80.0 W	87 W	400 / 375 mA	92 %	0.97	1	-5 ... +50 °C	78 / 50 °C	22.00 k Ω
	375 mA	67 V	213 V	25 W	80.0 W	87 W	400 / 380 mA	92 %	0.97	1	-5 ... +50 °C	78 / 50 °C	17.80 k Ω
	400 mA	62 V	200 V	25 W	80.0 W	87 W	400 / 380 mA	92 %	0.97	1	-5 ... +50 °C	78 / 50 °C	15.00 k Ω
	425 mA	59 V	188 V	25 W	80.0 W	87 W	400 / 380 mA	92 %	0.97	1	-5 ... +50 °C	78 / 50 °C	12.10 k Ω
	450 mA	56 V	177 V	25 W	80.0 W	87 W	400 / 380 mA	92 %	0.97	1	-5 ... +50 °C	78 / 50 °C	9.30 k Ω
	475 mA	51 V	169 V	25 W	80.0 W	87 W	400 / 380 mA	92 %	0.97	1	-5 ... +50 °C	78 / 50 °C	6.49 k Ω
	500 mA	50 V	160 V	25 W	80.0 W	90 W	400 / 380 mA	89 %	0.97	1	-5 ... +50 °C	78 / 50 °C	short circuit (0 Ω)
CF operation AC / DC (10 %)													
EM powerLED CPS FX LP 80W	14 mA	-	-	2.4 W	3 W	5.0 W	75 / 20 mA	60 %	0.30c	1	-	-	open
	17 mA	-	-	2.4 W	4 W	6.0 W	75 / 25 mA	67 %	0.35c	1	-	-	64.90 k Ω
	19 mA	-	-	2.4 W	4 W	6.0 W	75 / 25 mA	67 %	0.35c	1	-	-	56.00 k Ω
	23 mA	-	-	2.6 W	5 W	7.0 W	80 / 30 mA	71 %	0.40c	1	-	-	48.70 k Ω
	23 mA	-	-	2.3 W	5 W	7.0 W	80 / 30 mA	71 %	0.40c	1	-	-	43.20 k Ω
	28 mA	-	-	2.5 W	6 W	8.0 W	80 / 35 mA	75 %	0.45c	1	-	-	36.50 k Ω
	28 mA	-	-	2.3 W	6 W	8.0 W	80 / 35 mA	75 %	0.45c	1	-	-	32.40 k Ω
	32 mA	-	-	2.4 W	7 W	9.0 W	85 / 40 mA	78 %	0.45c	1	-	-	28.70 k Ω
	32 mA	-	-	2.2 W	7 W	9.0 W	85 / 40 mA	78 %	0.45c	1	-	-	22.00 k Ω
	36 mA	-	-	2.4 W	7 W	9.5 W	85 / 40 mA	74 %	0.50c	1	-	-	17.80 k Ω
	42 mA	-	-	2.6 W	7 W	10.0 W	85 / 45 mA	70 %	0.50c	1	-	-	15.00 k Ω
	42 mA	-	-	2.5 W	7 W	10.0 W	85 / 45 mA	70 %	0.50c	1	-	-	12.10 k Ω
	45 mA	-	-	2.5 W	7 W	10.0 W	85 / 45 mA	70 %	0.50c	1	-	-	9.30 k Ω
	46 mA	-	-	2.3 W	7 W	10.0 W	85 / 45 mA	70 %	0.50c	1	-	-	6.49 k Ω
	50 mA	-	-	2.5 W	7 W	10.0 W	85 / 45 mA	70 %	0.50c	1	-	-	short circuit (0 Ω)

¹⁾ Ambient temperature range ta defined in normal operation.²⁾ Output voltage range defined in normal operation. LED forward voltage will decrease in CF operation.

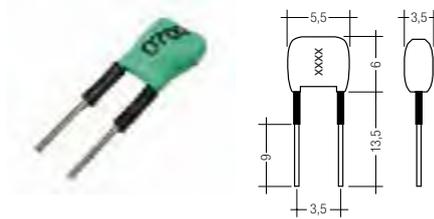
RoHS

ACCESSORIES

I-SELECT PLUG E

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance $\pm 1\%$



Ordering data

Type	Article number	Colour	Marking	Resistor value	Output current	Packaging bag	Weight per pc.
I-SELECT PLUG E	28000628	Green	64k9	64.90 k Ω	175 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000627	Green	56k	56.00 k Ω	200 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000626	Green	48k7	48.70 k Ω	225 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000625	Green	43k2	43.20 k Ω	250 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000624	Green	36k5	36.50 k Ω	275 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000623	Green	32k4	32.40 k Ω	300 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000622	Green	28k7	28.70 k Ω	325 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000621	Green	22k	22.00 k Ω	350 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000620	Green	17k8	17.80 k Ω	375 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000619	Green	15k	15.00 k Ω	400 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000618	Green	12k1	12.10 k Ω	425 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000617	Green	9k3	9.30 k Ω	450 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000616	Green	6k49	6.49 k Ω	475 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000612	Green	OR	0.00 k Ω	500 mA	10 pc(s).	0.001 kg

Specific technical data

Type	Output current	Min. output voltage ²⁾	Max. output voltage ²⁾	Min. output power	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	Efficiency (230 V, 50 / 0 Hz)	λ (at 230 V, full load)		Ambient temperature ta ¹⁾	tc/ta for ≥ 50,000 h ¹⁾	I sel resistor value
									AC	DC			
Normal operation AC / DC (100 %)													
EM powerLED CPS FX C 50W 50V	300 mA	16.6 V	50.0 V	5.0 W	15.0 W	19 W	102 / 84 mA	79 %	0.80c	1	-5 ... 55 °C	85 / 55 °C	open
	350 mA	16.6 V	50.0 V	5.8 W	17.5 W	22 W	112 / 96 mA	80 %	0.85c	1	-5 ... 55 °C	85 / 55 °C	69.80 kΩ
	400 mA	16.6 V	50.0 V	6.6 W	20.0 W	25 W	122 / 106 mA	80 %	0.87c	1	-5 ... 55 °C	85 / 55 °C	62.00 kΩ
	450 mA	16.6 V	50.0 V	7.5 W	22.5 W	28 W	132 / 119 mA	80 %	0.89c	1	-5 ... 55 °C	85 / 55 °C	56.00 kΩ
	500 mA	16.6 V	50.0 V	8.3 W	25.0 W	30 W	143 / 134 mA	83 %	0.91c	1	-5 ... 55 °C	85 / 55 °C	48.70 kΩ
	550 mA	16.6 V	50.0 V	9.1 W	27.5 W	33 W	157 / 147 mA	83 %	0.92c	1	-5 ... 55 °C	85 / 55 °C	43.20 kΩ
	600 mA	16.6 V	50.0 V	10.0 W	30.0 W	36 W	169 / 159 mA	83 %	0.92c	1	-5 ... 55 °C	85 / 55 °C	36.50 kΩ
	650 mA	16.6 V	50.0 V	10.8 W	32.5 W	39 W	181 / 172 mA	83 %	0.93c	1	-5 ... 55 °C	85 / 55 °C	28.70 kΩ
	700 mA	16.6 V	50.0 V	11.6 W	35.0 W	42 W	193 / 186 mA	83 %	0.94c	1	-5 ... 55 °C	85 / 55 °C	24.00 kΩ
	750 mA	16.6 V	50.0 V	12.5 W	37.5 W	43 W	195 / 189 mA	87 %	0.84c	1	-5 ... 55 °C	85 / 55 °C	20.50 kΩ
	800 mA	16.6 V	50.0 V	13.3 W	40.0 W	46 W	206 / 200 mA	87 %	0.85c	1	-5 ... 55 °C	85 / 55 °C	18.00 kΩ
	850 mA	16.6 V	50.0 V	14.1 W	42.5 W	49 W	218 / 213 mA	87 %	0.95	1	-5 ... 55 °C	85 / 55 °C	16.00 kΩ
	900 mA	16.6 V	50.0 V	14.9 W	45.0 W	52 W	234 / 230 mA	87 %	0.96	1	-5 ... 55 °C	85 / 55 °C	13.30 kΩ
	950 mA	15.7 V	50.0 V	14.9 W	47.5 W	55 W	246 / 243 mA	86 %	0.96	1	-5 ... 50 °C	85 / 50 °C	11.00 kΩ
	1,000 mA	15.0 V	50.0 V	15.0 W	50.0 W	57 W	264 / 260 mA	88 %	0.97	1	-5 ... 50 °C	85 / 50 °C	9.31 kΩ
	1,050 mA	15.0 V	47.6 V	15.8 W	50.0 W	59 W	270 / 265 mA	85 %	0.97	1	-5 ... 50 °C	85 / 50 °C	7.87 kΩ
	1,100 mA	15.0 V	45.5 V	16.5 W	50.1 W	56 W	253 / 254 mA	89 %	0.97	1	-5 ... 50 °C	85 / 50 °C	6.49 kΩ
	1,150 mA	15.0 V	43.5 V	17.3 W	50.0 W	58 W	265 / 265 mA	86 %	0.97	1	-5 ... 50 °C	85 / 50 °C	4.70 kΩ
	1,200 mA	15.0 V	41.7 V	18.0 W	50.0 W	58 W	260 / 264 mA	86 %	0.97	1	-5 ... 50 °C	85 / 50 °C	3.83 kΩ
	1,250 mA	15.0 V	40.0 V	18.8 W	50.0 W	58 W	261 / 264 mA	86 %	0.97	1	-5 ... 50 °C	85 / 50 °C	2.70 kΩ
1,300 mA	15.0 V	38.5 V	19.5 W	50.1 W	58 W	260 / 264 mA	86 %	0.97	1	-5 ... 50 °C	85 / 50 °C	2.20 kΩ	
1,350 mA	15.0 V	37.0 V	20.3 W	50.0 W	58 W	262 / 264 mA	86 %	0.97	1	-5 ... 50 °C	85 / 50 °C	1.50 kΩ	
1,400 mA	15.0 V	35.0 V	21.0 W	49.0 W	59 W	264 / 264 mA	83 %	0.97	1	-5 ... 50 °C	85 / 50 °C	short circuit (0 Ω)	
CF operation AC													
EM powerLED CPS FX C 50W 50V	30 mA	-	-	0.5 W	1.7 W	3.5 W	44 mA	30 %	0.30c	1	-	-	open
	38 mA	-	-	0.6 W	2.1 W	3.8 W	46 mA	50 %	0.35c	1	-	-	69.80 kΩ
	39 mA	-	-	0.6 W	2.1 W	3.8 W	46 mA	51 %	0.35c	1	-	-	62.00 kΩ
	52 mA	-	-	0.9 W	2.9 W	4.6 W	49 mA	57 %	0.40c	1	-	-	56.00 kΩ
	52 mA	-	-	0.9 W	2.9 W	4.6 W	49 mA	57 %	0.40c	1	-	-	48.70 kΩ
	52 mA	-	-	0.9 W	2.9 W	4.6 W	49 mA	57 %	0.40c	1	-	-	43.20 kΩ
	66 mA	-	-	1.1 W	3.6 W	5.2 W	51 mA	63 %	0.45c	1	-	-	36.50 kΩ
	69 mA	-	-	1.1 W	3.8 W	5.3 W	51 mA	65 %	0.45c	1	-	-	28.70 kΩ
	80 mA	-	-	1.3 W	4.4 W	6.0 W	54 mA	67 %	0.48c	1	-	-	24.00 kΩ
	83 mA	-	-	1.4 W	4.6 W	6.0 W	54 mA	69 %	0.48c	1	-	-	20.50 kΩ
	85 mA	-	-	1.4 W	4.7 W	6.0 W	54 mA	71 %	0.48c	1	-	-	18.00 kΩ
	92 mA	-	-	1.5 W	5.1 W	6.7 W	58 mA	69 %	0.50c	1	-	-	16.00 kΩ
	92 mA	-	-	1.5 W	5.1 W	6.7 W	58 mA	69 %	0.50c	1	-	-	13.30 kΩ
	105 mA	-	-	1.6 W	5.8 W	7.3 W	59 mA	72 %	0.53c	1	-	-	11.00 kΩ
	106 mA	-	-	1.6 W	5.8 W	7.3 W	59 mA	73 %	0.53c	1	-	-	9.31 kΩ
	118 mA	-	-	1.8 W	6.2 W	7.4 W	59 mA	76 %	0.53c	1	-	-	7.87 kΩ
	119 mA	-	-	1.8 W	6.0 W	7.1 W	59 mA	76 %	0.53c	1	-	-	6.49 kΩ
	130 mA	-	-	2.0 W	6.2 W	7.2 W	59 mA	79 %	0.53c	1	-	-	4.70 kΩ
	131 mA	-	-	2.0 W	6.0 W	7.2 W	59 mA	76 %	0.53c	1	-	-	3.83 kΩ
	144 mA	-	-	2.2 W	6.3 W	7.4 W	59 mA	78 %	0.53c	1	-	-	2.70 kΩ
144 mA	-	-	2.2 W	6.1 W	7.4 W	59 mA	75 %	0.53c	1	-	-	2.20 kΩ	
145 mA	-	-	2.2 W	5.9 W	6.9 W	59 mA	78 %	0.53c	1	-	-	1.50 kΩ	
158 mA	-	-	2.4 W	6.1 W	7.4 W	59 mA	75 %	0.53c	1	-	-	short circuit (0 Ω)	

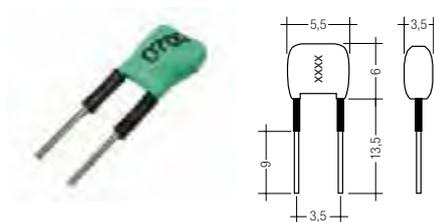
¹⁾ Ambient temperature range ta defined in normal operation.

²⁾ Output voltage range defined in normal operation. LED forward voltage will decrease in CF operation.

RoHS

ACCES-
SORIES

I-SELECT PLUG E



Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance $\pm 1\%$

Ordering data

Type	Article number	Colour	Marking	Resistor value	Output current	Packaging bag	Weight per pc.
I-SELECT PLUG E	28000627	Green	56k	56.00 k Ω	200 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000626	Green	48k7	48.70 k Ω	225 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000625	Green	43k2	43.20 k Ω	250 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000624	Green	36k5	36.50 k Ω	275 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000622	Green	28k7	28.70 k Ω	325 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001167	Green	69k8	69.80 k Ω	350 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001166	Green	62k	62.00 k Ω	400 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000617	Green	9k3	9.30 k Ω	450 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000616	Green	6k49	6.49 k Ω	475 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000612	Green	OR	0.00 k Ω	500 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001165	Green	24k	24.00 k Ω	700 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001164	Green	20k5	20.50 k Ω	750 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001163	Green	18k	18.00 k Ω	800 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001162	Green	16k	16.00 k Ω	850 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001161	Green	13k3	13.30 k Ω	900 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001160	Green	11k	11.00 k Ω	950 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001159	Green	7k87	7.87 k Ω	1,050 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001158	Green	4k7	4.70 k Ω	1,150 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001157	Green	3k83	3.83 k Ω	1,200 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001156	Green	2k7	2.70 k Ω	1,250 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001155	Green	2k2	2.20 k Ω	1,300 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001154	Green	1k5	1.50 k Ω	1,350 mA	10 pc(s).	0.001 kg



EM powerLED CPS FX SR 50 W

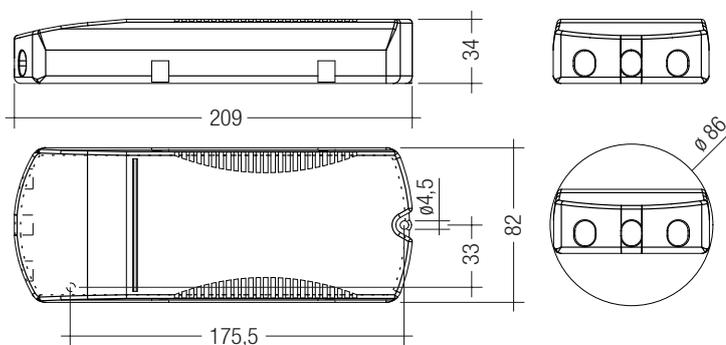
LED Driver for AC and DC power supplies

Product description

- Independent fixed output LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF)
- Emergency lighting function for use in central battery systems
- For LED modules with a forward voltage of 15 – 50 V
- SELV for output voltage < 60 V DC
- Compact plastic casing (209 x 82 x 34 mm) with strain relief
- 5 years guarantee

Properties

- 4.9 – 50 W output power
 - Constant current LED operation
 - 300 – 1,400 mA output current selectable with I-SELECT PLUG in steps of 50 mA
 - Simple CORRIDOR FUNCTION (CF) with 10 % light level
 - Automatic shutdown of output if LED load is out of range
 - For emergency lighting systems as per EN 50172
- For product data sheet go to www.tridonic.com, or available on request



Note: I-SELECT PLUG must be set before mains connection.



Standards, [page 696](#)

For wiring diagrams and installation examples see data sheet

Technical data

Rated supply voltage	220 – 240 V
Voltage range AC	198 – 264 V
Voltage range DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. λ (at 230 V, 50 Hz, normal operation)	0.95
Typ. λ (at 230 V, 50 Hz, CF operation)	0.45c
Overvoltage protection	320 V (for 1 h)
Max. open circuit voltage	60 V
Starting time	< 0.5 s
Output LF current ripple (< 120 Hz)	< 2 %
Output current tolerance	7 %
THD normal operation	< 25 %
THD CF operation	< 30 %
Ambient temperature t_a > 40 W output power	40 °C
Ambient temperature t_a \leq 40 W output power	50 °C
Max. casing temperature t_c	80 °C
Dimensions LxBxH	209 x 82 x 34 mm
Type of protection	IP20

Ordering data

Type	Article number	Packaging carton	Packaging pallet	Weight per pc.
EMpowerLED CPS FX SR 50W 50V	89800437	10 pc(s).	100 pc(s).	0.26 kg

Specific technical data

Type	Output current	Min. output voltage ²⁾	Max. output voltage ²⁾	Min. output power	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	Efficiency (230 V, 50 / 0 Hz)	λ (at 230 V, full load)		Ambient temperature ta ¹⁾	tc/ta for ≥ 50,000 h ¹⁾	I sel resistor value
									AC	DC			
Normal operation AC / DC (100 %)													
EM powerLED CPS FX SR 50W 50V	300 mA	16.6 V	50.0 V	5.0 W	15.0 W	19 W	102 / 84 mA	79 %	0.80c	1	-5 ... 50 °C	79 / 50 °C	open
	350 mA	16.6 V	50.0 V	5.8 W	17.5 W	22 W	112 / 96 mA	80 %	0.85c	1	-5 ... 50 °C	79 / 50 °C	69.80 kΩ
	400 mA	16.6 V	50.0 V	6.6 W	20.0 W	25 W	122 / 106 mA	80 %	0.87c	1	-5 ... 50 °C	79 / 50 °C	62.00 kΩ
	450 mA	16.6 V	50.0 V	7.5 W	22.5 W	28 W	132 / 119 mA	80 %	0.89c	1	-5 ... 50 °C	79 / 50 °C	56.00 kΩ
	500 mA	16.6 V	50.0 V	8.3 W	25.0 W	30 W	143 / 134 mA	83 %	0.91c	1	-5 ... 50 °C	79 / 50 °C	48.70 kΩ
	550 mA	16.6 V	50.0 V	9.1 W	27.5 W	33 W	157 / 147 mA	83 %	0.92c	1	-5 ... 50 °C	79 / 50 °C	43.20 kΩ
	600 mA	16.6 V	50.0 V	10.0 W	30.0 W	36 W	169 / 159 mA	83 %	0.92c	1	-5 ... 50 °C	79 / 50 °C	36.50 kΩ
	650 mA	16.6 V	50.0 V	10.8 W	32.5 W	39 W	181 / 172 mA	83 %	0.93c	1	-5 ... 50 °C	79 / 50 °C	28.70 kΩ
	700 mA	16.6 V	50.0 V	11.6 W	35.0 W	42 W	193 / 186 mA	83 %	0.94c	1	-5 ... 50 °C	79 / 50 °C	24.00 kΩ
	750 mA	16.6 V	50.0 V	12.5 W	37.5 W	43 W	195 / 189 mA	87 %	0.84c	1	-5 ... 50 °C	79 / 50 °C	20.50 kΩ
	800 mA	16.6 V	50.0 V	13.3 W	40.0 W	46 W	206 / 200 mA	87 %	0.85c	1	-5 ... 50 °C	79 / 50 °C	18.00 kΩ
	850 mA	16.6 V	50.0 V	14.1 W	42.5 W	49 W	218 / 213 mA	87 %	0.95	1	-5 ... 40 °C	76 / 40 °C	16.00 kΩ
	900 mA	16.6 V	50.0 V	14.9 W	45.0 W	52 W	234 / 230 mA	87 %	0.96	1	-5 ... 40 °C	76 / 40 °C	13.30 kΩ
	950 mA	15.7 V	50.0 V	14.9 W	47.5 W	55 W	246 / 243 mA	86 %	0.96	1	-5 ... 40 °C	76 / 40 °C	11.00 kΩ
	1,000 mA	15.0 V	50.0 V	15.0 W	50.0 W	57 W	264 / 260 mA	88 %	0.97	1	-5 ... 40 °C	76 / 40 °C	9.31 kΩ
	1,050 mA	15.0 V	47.6 V	15.8 W	50.0 W	59 W	270 / 265 mA	85 %	0.97	1	-5 ... 40 °C	76 / 40 °C	7.87 kΩ
	1,100 mA	15.0 V	45.5 V	16.5 W	50.1 W	56 W	253 / 254 mA	89 %	0.97	1	-5 ... 40 °C	76 / 40 °C	6.49 kΩ
	1,150 mA	15.0 V	43.5 V	17.3 W	50.0 W	58 W	265 / 265 mA	86 %	0.97	1	-5 ... 40 °C	76 / 40 °C	4.70 kΩ
	1,200 mA	15.0 V	41.7 V	18.0 W	50.0 W	58 W	260 / 264 mA	86 %	0.97	1	-5 ... 40 °C	76 / 40 °C	3.83 kΩ
	1,250 mA	15.0 V	40.0 V	18.8 W	50.0 W	58 W	261 / 264 mA	86 %	0.97	1	-5 ... 40 °C	76 / 40 °C	2.70 kΩ
1,300 mA	15.0 V	38.5 V	19.5 W	50.1 W	58 W	260 / 264 mA	86 %	0.97	1	-5 ... 40 °C	76 / 40 °C	2.20 kΩ	
1,350 mA	15.0 V	37.0 V	20.3 W	50.0 W	58 W	262 / 264 mA	86 %	0.97	1	-5 ... 40 °C	76 / 40 °C	1.50 kΩ	
1,400 mA	15.0 V	35.0 V	21.0 W	49.0 W	59 W	264 / 264 mA	83 %	0.97	1	-5 ... 40 °C	76 / 40 °C	short circuit (0 Ω)	
CF operation AC													
EM powerLED CPS FX SR 50W 50V	30 mA	-	-	0.5 W	1.7 W	3.5 W	44 mA	30 %	0.30c	1	-	-	open
	38 mA	-	-	0.6 W	2.1 W	3.8 W	46 mA	50 %	0.35c	1	-	-	69.80 kΩ
	39 mA	-	-	0.6 W	2.1 W	3.8 W	46 mA	51 %	0.35c	1	-	-	62.00 kΩ
	52 mA	-	-	0.9 W	2.9 W	4.6 W	49 mA	57 %	0.40c	1	-	-	56.00 kΩ
	52 mA	-	-	0.9 W	2.9 W	4.6 W	49 mA	57 %	0.40c	1	-	-	48.70 kΩ
	52 mA	-	-	0.9 W	2.9 W	4.6 W	49 mA	57 %	0.40c	1	-	-	43.20 kΩ
	66 mA	-	-	1.1 W	3.6 W	5.2 W	51 mA	63 %	0.45c	1	-	-	36.50 kΩ
	69 mA	-	-	1.1 W	3.8 W	5.3 W	51 mA	65 %	0.45c	1	-	-	28.70 kΩ
	80 mA	-	-	1.3 W	4.4 W	6.0 W	54 mA	67 %	0.48c	1	-	-	24.00 kΩ
	83 mA	-	-	1.4 W	4.6 W	6.0 W	54 mA	69 %	0.48c	1	-	-	20.50 kΩ
	85 mA	-	-	1.4 W	4.7 W	6.0 W	54 mA	71 %	0.48c	1	-	-	18.00 kΩ
	92 mA	-	-	1.5 W	5.1 W	6.7 W	58 mA	69 %	0.50c	1	-	-	16.00 kΩ
	92 mA	-	-	1.5 W	5.1 W	6.7 W	58 mA	69 %	0.50c	1	-	-	13.30 kΩ
	105 mA	-	-	1.6 W	5.8 W	7.3 W	59 mA	72 %	0.53c	1	-	-	11.00 kΩ
	106 mA	-	-	1.6 W	5.8 W	7.3 W	59 mA	73 %	0.53c	1	-	-	9.31 kΩ
	118 mA	-	-	1.8 W	6.2 W	7.4 W	59 mA	76 %	0.53c	1	-	-	7.87 kΩ
	119 mA	-	-	1.8 W	6.0 W	7.1 W	59 mA	76 %	0.53c	1	-	-	6.49 kΩ
	130 mA	-	-	2.0 W	6.2 W	7.2 W	59 mA	79 %	0.53c	1	-	-	4.70 kΩ
	131 mA	-	-	2.0 W	6.0 W	7.2 W	59 mA	76 %	0.53c	1	-	-	3.83 kΩ
	144 mA	-	-	2.2 W	6.3 W	7.4 W	59 mA	78 %	0.53c	1	-	-	2.70 kΩ
144 mA	-	-	2.2 W	6.1 W	7.4 W	59 mA	75 %	0.53c	1	-	-	2.20 kΩ	
145 mA	-	-	2.2 W	5.9 W	6.9 W	59 mA	78 %	0.53c	1	-	-	1.50 kΩ	
158 mA	-	-	2.4 W	6.1 W	7.4 W	59 mA	75 %	0.53c	1	-	-	short circuit (0 Ω)	

¹⁾ Ambient temperature range ta defined in normal operation.²⁾ Output voltage range defined in normal operation. LED forward voltage will decrease in CF operation.

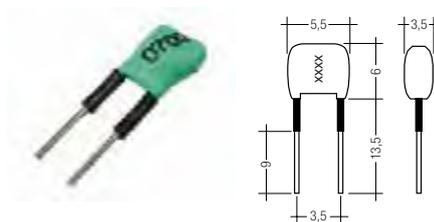
RoHS

ACCESSORIES

I-SELECT PLUG E

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance $\pm 1\%$



Ordering data

Type	Article number	Colour	Marking	Resistor value	Output current	Packaging bag	Weight per pc.
I-SELECT PLUG E	28000627	Green	56k	56.00 k Ω	200 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000626	Green	48k7	48.70 k Ω	225 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000625	Green	43k2	43.20 k Ω	250 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000624	Green	36k5	36.50 k Ω	275 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000622	Green	28k7	28.70 k Ω	325 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001167	Green	69k8	69.80 k Ω	350 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001166	Green	62k	62.00 k Ω	400 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000617	Green	9k3	9.30 k Ω	450 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000616	Green	6k49	6.49 k Ω	475 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28000612	Green	0R	0.00 k Ω	500 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001165	Green	24k	24.00 k Ω	700 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001164	Green	20k5	20.50 k Ω	750 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001163	Green	18k	18.00 k Ω	800 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001162	Green	16k	16.00 k Ω	850 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001161	Green	13k3	13.30 k Ω	900 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001160	Green	11k	11.00 k Ω	950 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001159	Green	7k87	7.87 k Ω	1,050 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001158	Green	4k7	4.70 k Ω	1,150 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001157	Green	3k83	3.83 k Ω	1,200 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001156	Green	2k7	2.70 k Ω	1,250 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001155	Green	2k2	2.20 k Ω	1,300 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	28001154	Green	1k5	1.50 k Ω	1,350 mA	10 pc(s).	0.001 kg



EM powerLED CLE CPS

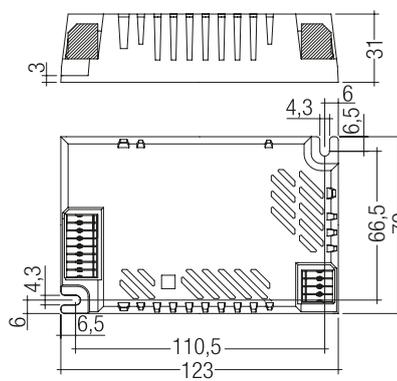
LED Driver for AC and DC power supplies

Product description

- LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF)
- For use in central battery systems
- For luminaire installation
- For the use with STARK CLE 1500 EM
- 5-year guarantee

Properties

- Constant current LED Driver with 350 or 470 mA output current
 - Simple CORRIDOR FUNCTION (CF) with 10 % light level
 - Constant current mode
 - Light output in DC operation (EoFx): 10 % or 100 %
 - SELV
 - For emergency lighting systems as per EN 50172
 - LED module and sensor available
- For product data sheet go to www.tridonic.com, or available on request



Standards, page 696

For wiring diagrams and installation examples see data sheet

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	0 mA
Overvoltage protection	320 V (for 1 h)
Max. permitted forward current LED	33 V
Starting time (at 230 V, 50 Hz, full load)	100 ms
Switchover time from mains to emergency operation	< 380 ms
Switchover time from emergency to mains operation	< 100 ms
Ambient temperature t_a	-25 ... +55 °C
Max. casing temperature t_c	75 °C
Dimensions L x W x H	123 x 79 x 31 mm
Type of protection	IP20

Ordering data

Type	Article number	Packaging carton	Packaging pallet	Weight per pc.
EM powerLED 12W CLE CPS	89800527	10 pc(s).	560 pc(s).	0.1 kg
EM powerLED 15W CLE CPS	89800177	10 pc(s).	560 pc(s).	0.1 kg

Specific technical data

Type	Typ. output current	Output current tolerance	Min. output voltage	Max. output voltage	Typ. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	Efficiency (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	Ambient temperature t_a	t_c/t_a for $\geq 50,000$ h
Normal operation at 100 %											
EM powerLED 15W CLE CPS	470 mA	5 %	22 V	33 V	14.25 W	17.0 W	100 mA	83 %	0.8	-5 ... +55 °C	85/55 °C
EM powerLED 12W CLE CPS	350 mA	5 %	22 V	33 V	10.61 W	13.6 W	75 mA	78 %	0.8	-5 ... +55 °C	85/55 °C
CF operation at 10 %											
EM powerLED 15W CLE CPS	43 mA	15 %	22 V	33 V	1.12 W	2.0 W	18 mA	49 %	0.5	-	-
EM powerLED 12W CLE CPS	29 mA	15 %	22 V	33 V	0.75 W	1.7 W	15 mA	44 %	0.5	-	-
Emergency operation at 100 %											
EM powerLED 15W CLE CPS	470 mA	5 %	22 V	33 V	14.25 W	17.0 W	100 mA	83 %	-	-	-
EM powerLED 12W CLE CPS	350 mA	5 %	22 V	33 V	10.61 W	13.6 W	75 mA	78 %	-	-	-
Emergency operation at 10 %											
EM powerLED 15W CLE CPS	43 mA	15 %	22 V	33 V	1.12 W	2.0 W	18 mA	49 %	-	-	-
EM powerLED 12W CLE CPS	29 mA	15 %	22 V	33 V	0.75 W	1.7 W	15 mA	44 %	-	-	-



EM ready2apply BASIC 1 – 2 W

EM ready2apply

Product description

- LED emergency module suitable for direct installation in ceilings
- Complete set with integrated electronics, LED module, heat sink, optics and battery
- Includes click-in multi-lens option for anti-panic, escape route and spot illumination
- Emergency lighting function for manual testing
- Small size ceiling hole, 40 – 43 mm diameter, 80 mm height

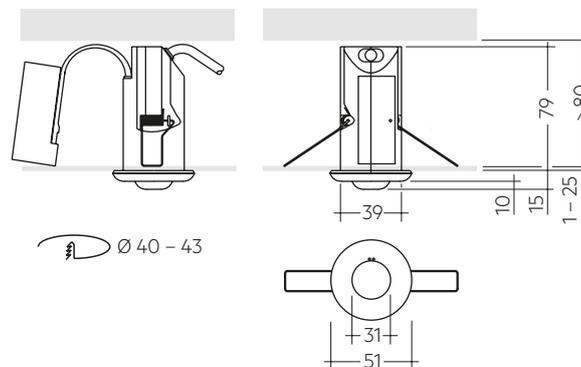
Properties

- Output power 0.75 – 1.50 W
 - Very low stand-by power loss
 - Maintained and non-maintained variants
 - 1 or 3 h rated duration (separate variants)
 - Plug-in Lithium Iron Phosphate battery with strain-relief
 - 5 years guarantee electronic (LED Driver)
 - 3 years guarantee battery
- For product data sheet go to www.tridonic.com, or available on request



Standards, page 696

For colour temperatures, tolerances, wiring diagrams and installation examples see data sheet



Technical data

Rated supply voltage	220 – 240 V AC
Input voltage range (tolerance for safety)	198 – 264 V AC
Input voltage range (tolerance for performance)	198 – 254 V AC
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V (for 48 h)
Starting time (emergency operation)	< 0.5 s from detection of emergency event
THD normal operation (maintained, at 230 V, 50 Hz, charging)	75 %
Output current tolerance	± 5 %
Low frequency current ripple	± 5 %
Ambient temperature range t_a	+5 ... +30 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20
Impact protection rating ¹⁾	IK03
Protection class	Class II
Colour temperature	6,500 K
Colour tolerance	MacAdams 3
Colour rendering index CRI	> 80
Nominal life-time	50,000 h
EoF ₁	1

Ordering data

Type	Article number	Operation	Rated duration	Number of cells	Packaging carton	Packaging pallet	Weight per pc.
EM R2A BASIC NM 111 2W	89800534	Non-maintained	1 h	1	1 pc(s).	380 pc(s).	0.18 kg
EM R2A BASIC M 111 2W	89800535	Maintained	1 h	1	1 pc(s).	380 pc(s).	0.19 kg
EM R2A BASIC NM 131 1W	89800533	Non-maintained	3 h	1	1 pc(s).	380 pc(s).	0.18 kg
EM R2A BASIC NM 132 2W	89800536	Non-maintained	3 h	2	1 pc(s).	380 pc(s).	0.22 kg
EM R2A BASIC M 132 2W	89800537	Maintained	3 h	2	1 pc(s).	380 pc(s).	0.23 kg

Specific technical data

Type	Number of battery cells	Rated duration	Mains current (230 V, 50 Hz)		Mains current (230 V, 50 Hz) non-maintained operation		Mains power (230 V, 50 Hz)		Mains power (230 V, 50 Hz) non-maintained operation		Typ. λ (at 230 V, 50 Hz, charging)	Typ. output current	Typ. output voltage	Output power
			Charging	Charger off	Charging	Charger off	Charging	Charger off	Charging	Charger off				
Normal operation														
EM R2A BASIC NM 111 2W	1	1	-	-	10 mA	5 mA	-	-	1.5 W	0.6 W	0.63	-	-	-
EM R2A BASIC M 111 2W	1	1	35 mA	26 mA	-	-	4.5 W	3.2 W	-	-	0.58	126 mA	12 V	150 W
EM R2A BASIC NM 131 1W	1	3	-	-	10 mA	5 mA	-	-	1.5 W	0.6 W	0.63	-	-	-
EM R2A BASIC NM 132 2W	2	3	-	-	16 mA	5 mA	-	-	2.5 W	0.6 W	0.63	-	-	-
EM R2A BASIC M 132 2W	2	3	40 mA	26 mA	-	-	5.5 W	3.2 W	-	-	0.58	126 mA	12 V	150 W
Emergency operation														
EM R2A BASIC NM 111 2W	1	1	-	-	-	-	-	-	-	-	-	126 mA	12 V	150 W
EM R2A BASIC M 111 2W	1	1	-	-	-	-	-	-	-	-	-	126 mA	12 V	150 W
EM R2A BASIC NM 131 1W	1	3	-	-	-	-	-	-	-	-	-	64 mA	11.3 V	0.75 W
EM R2A BASIC NM 132 2W	2	3	-	-	-	-	-	-	-	-	-	126 mA	12 V	150 W
EM R2A BASIC M 132 2W	2	3	-	-	-	-	-	-	-	-	-	126 mA	12 V	150 W

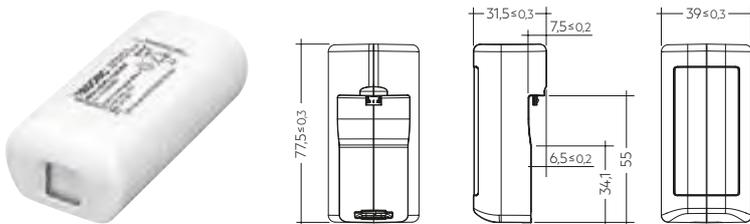
¹⁾ IK rating valid for lens

RoHS

**ACCES-
SORIES** Status indication green LED EM

Product description

- Lithium Iron Phosphate replacement battery pack for use with EM ready2apply emergency lighting units
- 8-year design life (at up to 30 °C ambient)
- 3-year guarantee



Properties

- Certified quality manufacturer
- Casing material made of polycarbonate
- Charge efficiency > 90 %
- Low self discharge
- Compact micro USB type B connector providing polarity safe battery connection
- Protection and monitoring circuit built into battery enclosure
- Deep discharge protection
- Suitable for emergency lighting equipment as per IEC 60598-2-22

Ordering data

Type	Article number	Packaging carton	Weight per pc.
Battery pack 1.5 Ah			
PACK-LiFePO4 1,5Ah R2A	89800555	1 pc(s).	0.062 kg
Battery pack 3.0 Ah			
PACK-LiFePO4 3,0Ah R2A	89800556	1 pc(s).	0.104 kg

RoHS

**ACCES-
SORIES** Status indication bi-colour LED EM

Product description

- Multi lens option for replacement
- Anti panic, escape route, spot illumination
- Interchangeable, click-in



Ordering data

Type	Article number	Packaging carton	Weight per pc.
Lens Kit R2A	89800557	1 pc(s).	0.012 kg



EM ready2apply SELFTEST 2 W

EM ready2apply

Product description

- LED emergency module suitable for direct installation in ceilings
- Complete set with integrated electronics, LED module, heat sink, optics and battery
- Includes click-in multi-lens option for anti-panic, escape route and spot illumination
- Emergency lighting with self-test function
- Small size ceiling hole, 40 – 43 mm diameter, 80 mm height

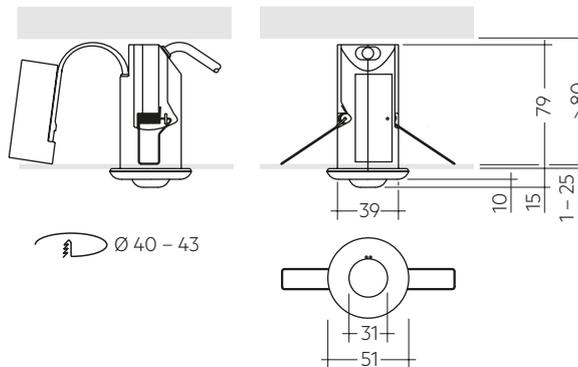
Properties

- Output power 1.5 W
 - Very low stand-by power loss
 - Maintained and non-maintained variants
 - 1 or 3 h rated duration (separate variants)
 - Plug-in Lithium Iron Phosphate battery with strain-relief
 - 5 years guarantee electronic (LED Driver)
 - 3 years guarantee battery
- For product data sheet go to www.tridonic.com, or available on request



Standards, page 696

For colour temperatures, tolerances, wiring diagrams and installation examples see data sheet



Technical data

Rated supply voltage	220 – 240 V AC
Input voltage range (tolerance for safety)	198 – 264 V AC
Input voltage range (tolerance for performance)	198 – 254 V AC
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V (for 48 h)
Starting time (emergency operation)	< 0.5 s from detection of emergency event
THD normal operation (maintained, at 230 V, 50 Hz, charging)	75 %
Output current tolerance	± 5 %
Low frequency current ripple	± 5 %
Ambient temperature range ta	+5 ... +30 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20
Impact protection rating [®]	IK03
Protection class	Class II
Colour temperature	6,500 K
Colour tolerance	MacAdams 3
Colour rendering index CRI	> 80
Nominal life-time	50,000 h
EoF ₁	1

Ordering data

Type	Article number	Operation	Rated duration	Number of cells	Packaging carton	Packaging pallet	Weight per pc.
EM R2A ST NM 111 2W	89800538	Non-maintained	1 h	1	1 pc(s).	380 pc(s).	0.19 kg
EM R2A ST M 111 2W	89800539	Maintained	1 h	1	1 pc(s).	380 pc(s).	0.19 kg
EM R2A ST NM 132 2W	89800540	Non-maintained	3 h	2	1 pc(s).	380 pc(s).	0.23 kg
EM R2A ST M 132 2W	89800541	Maintained	3 h	2	1 pc(s).	380 pc(s).	0.23 kg

Specific technical data

Type	Number of battery cells	Rated duration	Mains current (230 V, 50 Hz)		Mains current (230 V, 50 Hz) non-maintained operation		Mains power (230 V, 50 Hz)		Mains power (230 V, 50 Hz) non-maintained operation		Typ. λ (at 230 V, 50 Hz, charging)	Typ. output current	Typ. output voltage	Output power
			Charging	Charger off	Charging	Charger off	Charging	Charger off	Charging	Charger off				
Normal operation														
EM R2A ST NM 111 2W	1	1	-	-	15 mA	10 mA	-	-	1.5 W	0.6 W	0.42	-	-	-
EM R2A ST M 111 2W	1	1	35 mA	26 mA	-	-	4.5 W	3.2 W	-	-	0.58	126 mA	12 V	150 W
EM R2A ST NM 132 2W	2	3	-	-	20 mA	10 mA	-	-	2.5 W	0.6 W	0.50	-	-	-
EM R2A ST M 132 2W	2	3	40 mA	26 mA	-	-	5.5 W	3.2 W	-	-	0.58	126 mA	12 V	150 W
Emergency operation														
EM R2A ST NM 111 2W	1	1	-	-	-	-	-	-	-	-	-	126 mA	12 V	150 W
EM R2A ST M 111 2W	1	1	-	-	-	-	-	-	-	-	-	126 mA	12 V	150 W
EM R2A ST NM 132 2W	2	3	-	-	-	-	-	-	-	-	-	126 mA	12 V	150 W
EM R2A ST M 132 2W	2	3	-	-	-	-	-	-	-	-	-	126 mA	12 V	150 W

¹⁾ IK rating valid for lens

RoHS

ACCES-
SORIES

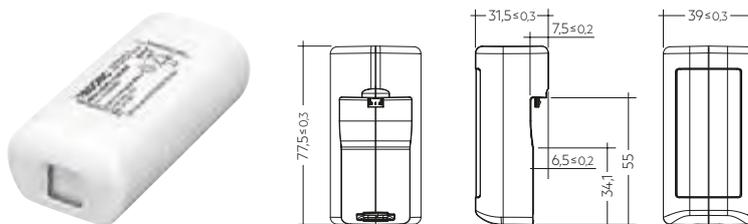
Status indication green LED EM

Product description

- Lithium Iron Phosphate replacement battery pack for use with EM ready2apply emergency lighting units
- 8-year design life (at up to 30 °C ambient)
- 3-year guarantee

Properties

- Certified quality manufacturer
- Casing material made of polycarbonate
- Charge efficiency > 90 %
- Low self discharge
- Compact micro USB type B connector providing polarity safe battery connection
- Protection and monitoring circuit built into battery enclosure
- Deep discharge protection
- Suitable for emergency lighting equipment as per IEC 60598-2-22



Ordering data

Type	Article number	Packaging carton	Weight per pc.
Battery pack 1.5 Ah			
PACK-LiFePO4 1,5Ah R2A	89800555	1 pc(s).	0.062 kg
Battery pack 3.0 Ah			
PACK-LiFePO4 3,0Ah R2A	89800556	1 pc(s).	0.104 kg

RoHS

ACCES-
SORIES

Status indication bi-colour LED EM

Product description

- Multi lens option for replacement
- Anti panic, escape route, spot illumination
- Interchangeable, click-in



Ordering data

Type	Article number	Packaging carton	Weight per pc.
Lens Kit R2A	89800557	1 pc(s).	0.012 kg



EM ready2apply PRO 2 W

EM ready2apply

Product description

- LED emergency module suitable for direct installation in ceilings
- Complete set with integrated electronics, LED module, heat sink, optics and battery
- Includes click-in multi-lens option for anti-panic, escape route and spot illumination
- DALI interface and automatic test function
- Small size ceiling hole, 40 – 43 mm diameter, 80 mm height

Properties

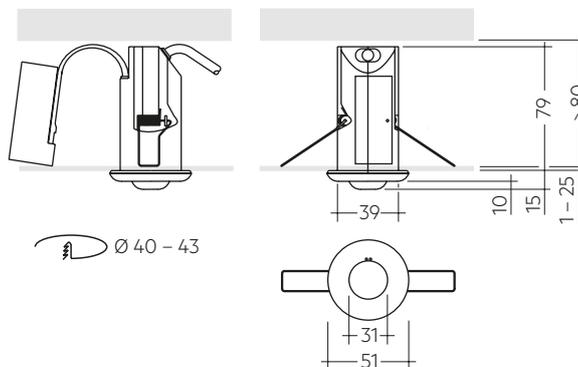
- Output power 1.5 W
- Very low stand-by power loss
- Maintained and non-maintained variants
- Maintained variant is DALI switchable (on/off)
- 1, 2 or 3 h rated duration (separate variants)
- Plug-in Lithium Iron Phosphate battery with strain-relief
- 5 years guarantee electronic (LED Driver)
- 3 years guarantee battery

→ For product data sheet go to www.tridonic.com, or available on request



Standards, page 696

For colour temperatures, tolerances, wiring diagrams and installation examples see data sheet



Technical data

Rated supply voltage	220 – 240 V AC
Input voltage range (tolerance for safety)	198 – 264 V AC
Input voltage range (tolerance for performance)	198 – 254 V AC
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V (for 48 h)
Starting time (emergency operation)	< 0.5 s from detection of emergency event
THD normal operation (maintained, at 230 V, 50 Hz, charging)	75 %
Output current tolerance	± 5 %
Low frequency current ripple	± 5 %
Ambient temperature range ta	+5 ... +30 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20
Impact protection rating ¹⁾	IK03
Protection class	Class II
Colour temperature	6,500 K
Colour tolerance	MacAdams 3
Colour rendering index CRI	> 80
Nominal life-time	50,000 h
EoF ₁	1

Ordering data

Type	Article number	Operation	Rated duration	Number of cells	Packaging carton	Packaging pallet	Weight per pc.
EM R2A PRO NM 111 2W	89800542	Non-maintained	1 h	1	1 pc(s).	380 pc(s).	0.19 kg
EM R2A PRO M 111 2W	89800543	Maintained	1 h	1	1 pc(s).	380 pc(s).	0.19 kg
EM R2A PRO NM 122 2W	89800546	Non-maintained	2 h	2	1 pc(s).	380 pc(s).	0.23 kg
EM R2A PRO M 122 2W	89800547	Maintained	2 h	2	1 pc(s).	380 pc(s).	0.23 kg
EM R2A PRO NM 132 2W	89800544	Non-maintained	3 h	2	1 pc(s).	380 pc(s).	0.23 kg
EM R2A PRO M 132 2W	89800545	Maintained	3 h	2	1 pc(s).	380 pc(s).	0.23 kg

Specific technical data

Type	Number of battery cells	Rated duration	Mains current (230 V, 50 Hz)		Mains current (230 V, 50 Hz) non-maintained operation		Mains power (230 V, 50 Hz)		Mains power (230 V, 50 Hz) non-maintained operation		Typ. λ (at 230 V, 50 Hz, charging)	Typ. output current	Typ. output voltage	Output power	
			maintained operation	Charging	Charger off	Charging	Charger off	Charging	Charger off	Charging					Charger off
Normal operation															
EM R2A PRO NM 111 2W	1	1	-	-	15 mA	10 mA	-	-	1.5 W	0.6 W	0.42	-	-	-	
EM R2A PRO M 111 2W	1	1	35 mA	26 mA	15 mA	10 mA	4.5 W	3.2 W	1.5 W	0.6 W	0.58	126 mA	12 V	1.50 W	
EM R2A PRO NM 122 2W	2	2	-	-	20 mA	10 mA	-	-	2.5 W	0.6 W	0.50	-	-	-	
EM R2A PRO M 122 2W	2	2	40 mA	26 mA	20 mA	10 mA	4.5 W	3.2 W	2.5 W	0.6 W	0.58	126 mA	12 V	1.50 W	
EM R2A PRO NM 132 2W	2	3	-	-	20 mA	10 mA	-	-	2.5 W	0.6 W	0.50	-	-	-	
EM R2A PRO M 132 2W	2	3	40 mA	26 mA	20 mA	10 mA	5.5 W	3.2 W	2.5 W	0.6 W	0.58	126 mA	12 V	1.50 W	
Emergency operation															
EM R2A PRO NM 111 2W	1	1	-	-	-	-	-	-	-	-	-	126 mA	12 V	1.50 W	
EM R2A PRO M 111 2W	1	1	-	-	-	-	-	-	-	-	-	126 mA	12 V	1.50 W	
EM R2A PRO NM 122 2W	2	2	-	-	-	-	-	-	-	-	-	126 mA	12 V	1.50 W	
EM R2A PRO M 122 2W	2	2	-	-	-	-	-	-	-	-	-	126 mA	12 V	1.50 W	
EM R2A PRO NM 132 2W	2	3	-	-	-	-	-	-	-	-	-	126 mA	12 V	1.50 W	
EM R2A PRO M 132 2W	2	3	-	-	-	-	-	-	-	-	-	126 mA	12 V	1.50 W	

¹⁾ IK rating valid for lens

ACCESSORIES

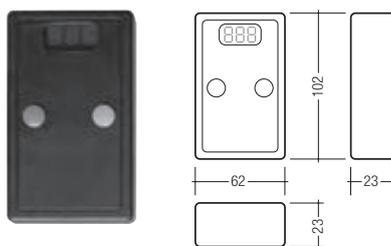
Addressing tool

Product description

- Provides simple addressing for all PRO units
- Uses the bi-colour LED for device identification

Properties

- Takes standard 9 V battery
- Easy two button operation
- Belt clip
- Auto power off to conserve battery
- Bright 7 segment LED display



Ordering data

Type	Article number	Packaging carton	Weight per pc.
EM PRO addressing tool	89899836	1 pc(s).	0.08 kg

RoHS

ACCES-
SORIES

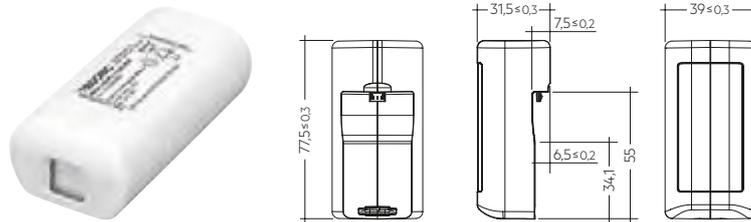
Status indication green LED EM

Product description

- Lithium Iron Phosphate replacement battery pack for use with EM ready2apply emergency lighting units
- 8-year design life (at up to 30 °C ambient)
- 3-year guarantee

Properties

- Certified quality manufacturer
- Casing material made of polycarbonate
- Charge efficiency > 90 %
- Low self discharge
- Compact micro USB type B connector providing polarity safe battery connection
- Protection and monitoring circuit built into battery enclosure
- Deep discharge protection
- Suitable for emergency lighting equipment as per IEC 60598-2-22



Ordering data

Type	Article number	Packaging carton	Weight per pc.
Battery pack 1.5 Ah			
PACK-LiFePO4 1,5Ah R2A	89800555	1 pc(s).	0.062 kg
Battery pack 3.0 Ah			
PACK-LiFePO4 3,0Ah R2A	89800556	1 pc(s).	0.104 kg

RoHS

ACCES-
SORIES

Status indication bi-colour LED EM

Product description

- Multi lens option for replacement
- Anti panic, escape route, spot illumination
- Interchangeable, click-in



Ordering data

Type	Article number	Packaging carton	Weight per pc.
Lens Kit R2A	89800557	1 pc(s).	0.012 kg



Module EM-AP 004

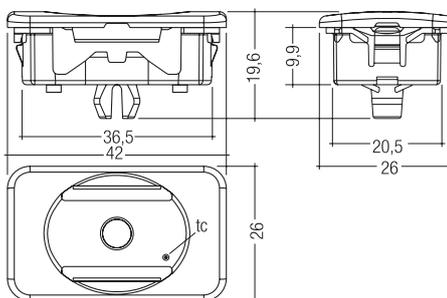
EM LED compact

Product description

- LED emergency lighting module
- Anti-panic emergency lighting: illuminance $E \geq 0.5$ lux (as per EN 1838)
- Compatible with EM powerLED 1 W

Properties

- High-power LED in chip-on-board technology (COB)
 - Long life-time thanks to integrated heat removal
 - Optimised system efficacy with broad beam characteristic
 - Integrated bi-colour status LED
 - Reverse polarity protection
 - Small dimensions
 - Different installation options
 - Connection: cable 300 mm
- For product data sheet go to www.tridonic.com, or available on request



Standards, page 696

For colour temperatures, tolerances, wiring diagrams and installation examples see data sheet

Technical data

Colour rendering index CRI	> 70
Ambient temperature range	-25 ... +50 °C
tp rated	45 °C
tc ¹⁾	up to 85 °C
Max. DC forward current	700 mA
Max. permissible LF current ripple	960 mA
Max. permissible peak current	1,920 mA / max. 10 ms
Max. permissible output voltage of LED Driver	50 V
Insulation test voltage	11 kV

Ordering data

Type	Article number	Colour ²⁾	Colour temperature	Packaging carton	Weight per pc.
EM-AP 004	89601890	Daylight white	6,500 K	10 pc(s).	0.025 kg

Specific technical data

Type	Typ. luminous flux ³⁾⁴⁾	Min. luminous flux ³⁾⁴⁾	Max. current ⁵⁾	Power ^{4) 6) 7)}
EM-AP 004	122 lm	105 lm	350 mA	1 W

¹⁾ If the max. temperature limits are exceeded, the life of the module will be reduced or the module may be damaged.
The temperature of the LED module at the tc-point is to be measured in the thermally stable state. For tc-point see the above diagram.
²⁾ Colour temperature and colour rendering index CRI according to CIE 1931.
³⁾ Tolerance range for optical data: ±10 %.
⁴⁾ All values at tp = 45 °C.
⁵⁾ Exceeding the max. operating current leads to an overload on the LED module. This may in turn result in a significant reduction in life-time or even destruction of the LED module.
⁶⁾ Data for operation with 350 mA.
⁷⁾ Tolerance range for electrical data: ±5 %.



Module EM-ER 004

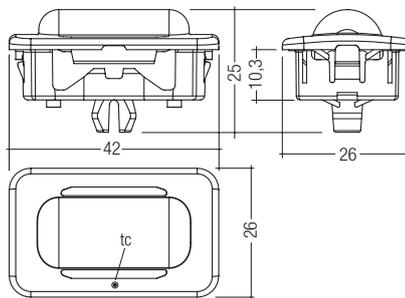
EM LED compact

Product description

- LED emergency lighting module
- Escape route emergency lighting: illuminance E = 1.0 lux (as per EN 1838)
- Compatible with EM powerLED 1 W

Properties

- High-power LED in chip-on-board technology (COB)
 - Long life-time thanks to integrated heat removal
 - Optimised system efficacy with beam characteristic
 - Integrated bi-colour status LED
 - Reverse polarity protection
 - Small dimensions
 - Different installation options
 - Connection: cable 300 mm
- For product data sheet go to www.tridonic.com, or available on request



Standards, page 696

For colour temperatures, tolerances, wiring diagrams and installation examples see data sheet

Technical data

Colour rendering index CRI	> 70
Ambient temperature range	-20 ... +50 °C
tp rated	45 °C
tc ¹⁾	up to 85 °C
Max. DC forward current	700 mA
Max. permissible LF current ripple	960 mA
Max. permissible peak current	1,920 mA / max. 10 ms
Max. permissible output voltage of LED Driver	50 V
Insulation test voltage	11 kV

Ordering data

Type	Article number	Colour ²⁾	Colour temperature	Packaging carton	Weight per pc.
EM-ER 004	89601889	Daylight white	6,500 K	10 pc(s).	0.016 kg

Specific technical data

Type	Typ. luminous flux ^{3) 4)}	Min. luminous flux ^{3) 4)}	Max. current ⁵⁾	Power ^{4) 6) 7)}
EM-ER 004	110 lm	95 lm	350 mA	1 W

¹⁾ If the max. temperature limits are exceeded, the life of the module will be reduced or the module may be damaged. The temperature of the LED module at the tc-point is to be measured in the thermally stable state. For tc-point see the above diagram.
²⁾ Colour temperature and colour rendering index CRI according to CIE 1931.
³⁾ Tolerance range for optical data: ±10 %.
⁴⁾ All values at tp = 45 °C.
⁵⁾ Exceeding the max. operating current leads to an overload on the LED module. This may in turn result in a significant reduction in life-time or even destruction of the LED module.
⁶⁾ Data for operation with 350 mA.
⁷⁾ Tolerance range for electrical data: ±5 %.

RoHS

Module EM-ES 08/10/12 Mk2

EM LED linear / area

Product description

- Lighting module with 8, 10 or 12 LEDs
- For use in escape route signs
- Compatible with EM powerLED 1 W & 2 W

Properties

- Suitable for Tridonic EM powerLED emergency lighting units
- For permanent and stand-by operation
- Wide 120° distribution of light for uniform illumination
- Operation on a constant current source
- Replacement for 8 W T5 fluorescent lamp
- Several options for uniform light distribution
- Can be interconnected to create longer strips
- Low energy consumption
- Long life-time thanks to low operating temperature
- Provides a maintenance-free escape sign system
- Simple mounting/installation
- Push-in terminals for simple and quick wiring

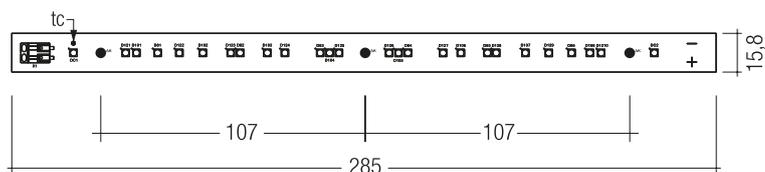
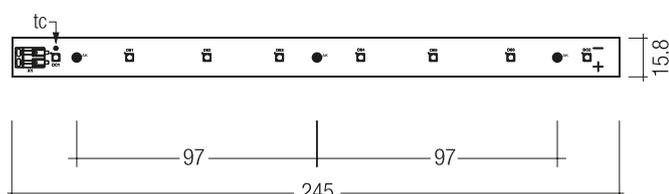
Note

- Separate status LED required
- For product data sheet go to www.tridonic.com, or available on request



Standards, page 696

For colour temperatures, tolerances, wiring diagrams and installation examples see data sheet



Technical data

Ambient temperature t_a ¹⁾	-30 ... +55 °C
Typ. tc point ²⁾	60 °C
Typ. luminous flux at 25 °C ^{1) 3)}	130 lm
Max. forward current ⁴⁾	600 mA
Min. forward voltage	2.7 V
Typ. forward voltage at 25 °C ³⁾	3 V
Max. forward voltage ³⁾	3.2 V
Typ. power ^{1) 3)}	1.05 W
Colour rendering index CRI	80
Beam characteristic	120°
Risk group (EN 62471:2008)	0
Type of protection	IP00

Ordering data

Type	Article number	Colour	Colour temperature	Packaging carton	Packaging pallet	Weight per pc.
8 light points per module						
ES 08 246 Mk2	89800249	Daylight white	6,500 K	25 pc(s).	600 pc(s).	0.014 kg
ES 08 285 Mk2	89800250	Daylight white	6,500 K	25 pc(s).	600 pc(s).	0.016 kg
10 light points per module						
ES 10 285 Mk2	89800251	Daylight white	6,500 K	25 pc(s).	600 pc(s).	0.017 kg
12 light points per module						
ES 12 285 Mk2	89800248	Daylight white	6,500 K	25 pc(s).	600 pc(s).	0.018 kg

Specific technical data

Type	Article number	Total length	Hole spacing D
ES 08 246 Mk2	89800249	245 mm	97 mm
ES 08 285 Mk2	89800250	285 mm	107 mm
ES 10 285 Mk2	89800251	285 mm	107 mm
ES 12 285 Mk2	89800248	285 mm	107 mm

¹⁾ Data for operation with 350 mA.

²⁾ If the max. temperature limits are exceeded, the life of the module will be reduced or the module may be damaged.

The temperature of the LED module at the tc-point is to be measured in the thermally stable state. For tc-point see the above diagram.

³⁾ Tolerance range for optical and electrical data: ±15 %.

⁴⁾ Exceeding the max. operating current leads to an overload on the LED module. This may in turn result in a significant reduction in life-time or even destruction of the LED module.

RoHS

ACCES-
SORIES

Status indication green LED EM

Product description

- A green LED indicates that charging current is flowing into the battery



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM green	89899605	25 pc(s).	200 pc(s).	0.011 kg
LED EM green, ultra high brightness	89899756	25 pc(s).	200 pc(s).	0.012 kg

RoHS

ACCES-
SORIES

Status indication bi-colour LED EM

Product description

- Two-colour status display LED
- Green: system OK, red: fault



Ordering data

Type	Article number	Packaging bag	Packaging carton	Weight per pc.
LED EM bi-colour	89899720	25 pc(s).	200 pc(s).	0.017 kg
LED EM bi-colour, high brightness	89899753	25 pc(s).	200 pc(s).	0.013 kg



DALI x/e-touchPANEL 02

Emergency lighting control systems

Product description

- DALI control system with 2 mode options:
Light management in mains mode
Emergency lighting management

Properties

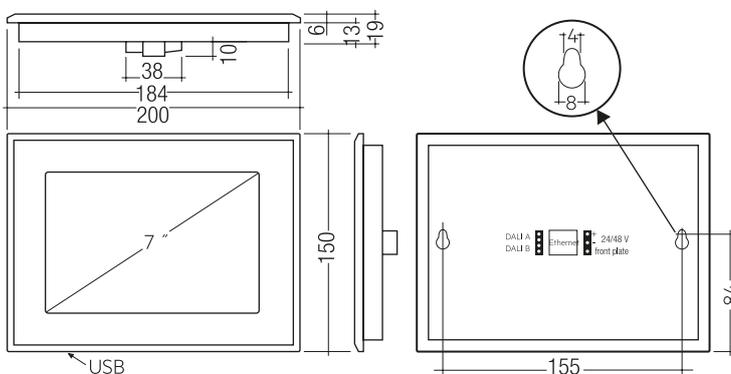
- Emergency lighting management:
- For small and medium emergency lighting systems with up to 120 DALI emergency lighting units (60 for each DALI line) per DALI x/e-touchPANEL 02
- 2 addresses for external status controls
- Function and endurance tests can be conducted in accordance with local regulations
- Colour touch screen (7")
- User-friendly application software
- With DALI system functions of addressing and grouping
- Supports patented addressing function ("EZ easy addressing")
- Individual labelling of groups and devices
- Calendar-controlled function and duration test
- Easy-to-read system status
- USB and ethernet interface
- Simple downloading of the test report to a PC and software updates via USB or Ethernet
- Can be remote-controlled via standard internet browser or em-LINK software (available at www.tridonic.com)
- Interconnection of up to 25 panels for bigger installations possible

Assembly/installation:

- External power supply (included)
- External DALI bus supply needed
- Simple fixing (2 screws)

Note

- DALI is not classified as SELV. The installation instructions for low voltage therefore apply
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage mains adapter	230 – 240 V
Mains frequency mains adapter	50 / 60 Hz
Rated supply voltage DALI x/e-touchPANEL 02	24 – 48 V DC
Power	10 W
Number of DALI circuits	2
Current consumption of each DALI line	2 mA
Ambient temperature ta	0 ... +50 °C
Touchscreen size	7"
Touchscreen pixel	800 x 480
Colours	64K
Interface	USB, Ethernet
Dimensions L x W x H	200 x 150 x 20 mm
Distance between mounting holes (D)	155 mm
Type of protection	IP20
Housing material	Plastic PA-758

Ordering data

Type	Article number	Packaging carton
DALI x/e-touchPANEL 02	89800248	25 pc(s).



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For wiring diagrams and installation examples see data sheet



NiCd Accus 1.6 – 4.5 Ah

Nickel-Cadmium cells (NiCd)

Product description

- High-temperature NiCd cells for use with emergency lighting units
- 4-year design life
- 1-year guarantee

Properties

- Constant high-temperature operation – depending on the emergency lighting unit used (refer to respective emergency control gear datasheet)
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- Certified quality manufacturer
- In various configurations
- Simple connection with blade terminal respectively plug terminal
- With polycarbonate fixing caps and connecting cable
- Electrical connection with mounted end caps possible
- Suitable for emergency lighting equipment as per IEC 60598-2-22

→ For product data sheet go to www.tridonic.com, or available on request



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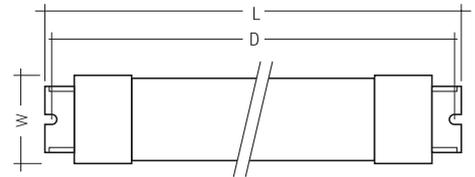


Fig. 1: Stick; Connection: blade terminal

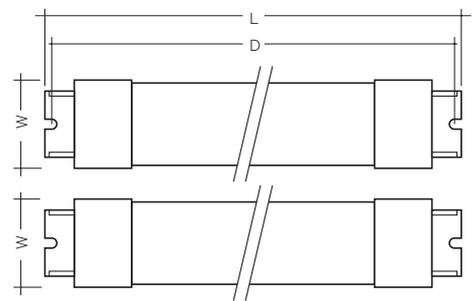


Fig. 2: Stick + Stick; Connection: blade terminal

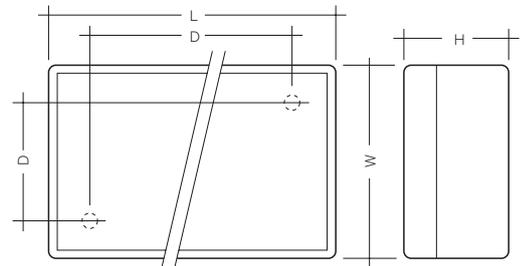


Fig. 3: Side by side; Connection: blade terminal

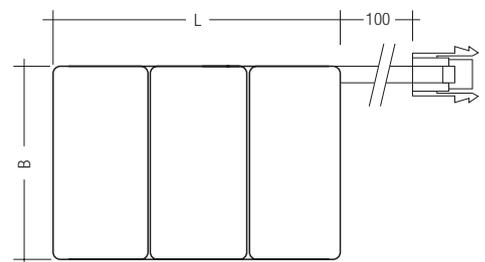


Fig. 4: Side by side; Connection: plug terminal

Technical data

Battery voltage per cell	12 V
Min. battery casing temp. (design life of 4 years)	+ 5 °C
Max. battery casing temp. (design life of 4 years)	Refer to emergency control gear datasheet

Ordering data

Type	Article number	Capacity	Packaging carton	Packaging outer box	Weight per pc.
NiCd D cells – stick					
Accu-NiCd 2A 55	89800092	4.5 Ah	5 pc(s).	25 pc(s).	0.255 kg
Accu-NiCd 3A	89895960	4.2 Ah	5 pc(s).	25 pc(s).	0.386 kg
Accu-NiCd 4A 55	89800089	4.5 Ah	5 pc(s).	25 pc(s).	0.500 kg
Accu-NiCd 5A	89895973	4.2 Ah	5 pc(s).	25 pc(s).	0.640 kg
NiCd D cells – stick + stick					
Accu-NiCd 4C	89895978	4.2 Ah	5 pc(s).	25 pc(s).	0.530 kg
Accu-NiCd 5C 55	89800090	4.5 Ah	5 pc(s).	25 pc(s).	0.620 kg
Accu-NiCd 6C 55	89800388	4.5 Ah	5 pc(s).	25 pc(s).	0.756 kg
NiCd D cells – side by side					
Accu-NiCd 3B 55	89800384	4.5 Ah	5 pc(s).	25 pc(s).	0.380 kg
Accu-NiCd 4B 55	89800385	4.5 Ah	5 pc(s).	25 pc(s).	0.460 kg
NiCd Cs cells – stick					
Accu-NiCd C 3A	89899743	1.6 Ah	5 pc(s).	25 pc(s).	0.220 kg
Accu-NiCd C 4A	89899692	1.6 Ah	5 pc(s).	25 pc(s).	0.190 kg
Accu-NiCd C 5A	89899695	1.6 Ah	5 pc(s).	25 pc(s).	0.249 kg
Accu-NiCd C 6A	89899698	1.6 Ah	5 pc(s).	25 pc(s).	0.296 kg
NiCd Cs cells – stick + stick					
Accu-NiCd C 4C	89899694	1.6 Ah	5 pc(s).	25 pc(s).	0.198 kg
Accu-NiCd C 5C	89899697	1.6 Ah	5 pc(s).	25 pc(s).	0.143 kg
Accu-NiCd C 6C	89899699	1.6 Ah	5 pc(s).	25 pc(s).	0.144 kg
NiCd Cs cells – side by side					
Accu-NiCd C 4B	89899693	1.6 Ah	5 pc(s).	25 pc(s).	0.206 kg
Accu-NiCd C 5B	89899696	1.6 Ah	5 pc(s).	25 pc(s).	0.249 kg

Specific technical data

Type	Article number ¹⁾	Figure	Number of cells	Capacity	Length L	Hole spacing D	Width B	Height H
NiCd D cells – stick								
Accu-NiCd 2A 55	89800092	1	2	4.5 Ah	152 mm	140 mm	36 mm	35 mm
Accu-NiCd 3A	89895960	1	3	4.2 Ah	210 mm	198 mm	36 mm	35 mm
Accu-NiCd 4A 55	89800089	1	4	4.5 Ah	269 mm	257 mm	36 mm	35 mm
Accu-NiCd 5A	89895973	1	5	4.2 Ah	328 mm	316 mm	36 mm	35 mm
NiCd D cells – stick + stick								
Accu-NiCd 4C	89895978	2	4	4.2 Ah	152 mm	140 mm	36 mm	35 mm
Accu-NiCd 5C 55	89800090	2	5	4.5 Ah	152 + 210 mm	140 + 198 mm	36 mm	35 mm
Accu-NiCd 6C 55	89800388	2	6	4.5 Ah	210 mm	198 mm	36 mm	35 mm
NiCd D cells – side by side								
Accu-NiCd 3B 55	89800384	4	3	4.5 Ah	63 mm	32 x 40 mm	98 mm	35 mm
Accu-NiCd 4B 55	89800385	4	4	4.5 Ah	63 mm	64 x 40 mm	131 mm	35 mm
NiCd Cs cells – stick								
Accu-NiCd C 3A	89899743	1	3	1.6 Ah	164 mm	152 mm	26 mm	26 mm
Accu-NiCd C 4A	89899692	1	4	1.6 Ah	206 mm	194 mm	26 mm	26 mm
Accu-NiCd C 5A	89899695	1	5	1.6 Ah	249 mm	237 mm	26 mm	26 mm
Accu-NiCd C 6A	89899698	1	6	1.6 Ah	292 mm	280 mm	26 mm	26 mm
NiCd Cs cells – stick + stick								
Accu-NiCd C 4C	89899694	2	4	1.6 Ah	121 mm	109 mm	26 mm	26 mm
Accu-NiCd C 5C	89899697	2	5	1.6 Ah	164 + 121 mm	152 + 109 mm	26 mm	26 mm
Accu-NiCd C 6C	89899699	2	6	1.6 Ah	164 mm	152 mm	26 mm	26 mm
NiCd Cs cells – side by side								
Accu-NiCd C 4B	89899693	3	4	1.6 Ah	148 mm	40 x 96 mm	54 mm	25 mm
Accu-NiCd C 5B	89899696	3	5	1.6 Ah	148 mm	40 x 96 mm	54 mm	25 mm

¹⁾ Art. no. 89895960, 89895963, 89895973, 89895978 on request.



NiCd Accus 4.0 Ah

Nickel-Cadmium cells (NiCd)

Product description

- High-temperature NiCd cells for use with emergency lighting units
- 4-year design life
- 1-year guarantee

Properties

- Constant high-temperature operation – depending on the emergency lighting unit used (refer to respective emergency control gear datasheet)
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- Certified quality manufacturer
- In various configurations
- Simple connection with blade terminal
- With polycarbonate fixing caps and connecting cable
- Electrical connection with mounted end caps possible
- Suitable for emergency lighting equipment as per IEC 60598-2-22

→ For product data sheet go to www.tridonic.com, or available on request



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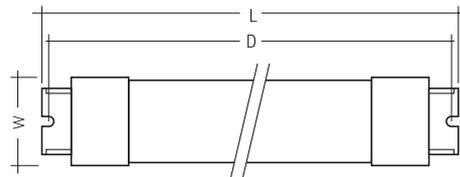


Fig. 1: Stick; Connection: blade terminal

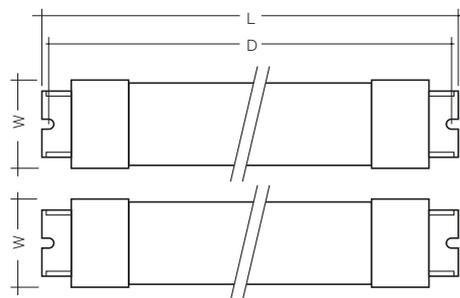


Fig. 2: Stick + Stick; Connection: blade terminal

Technical data

Battery voltage per cell	1.2 V
Min. battery casing temp. (design life of 4 years)	+ 5 °C
Max. battery casing temp. (design life of 4 years)	Refer to emergency control gear datasheet

Ordering data

Type	Article number	Number of cells	Capacity	Packaging carton	Packaging outer box	Weight per pc.
NiCd 4.0 Ah D cells – stick						
Accu-NiCd 3A 50	89800084	1 x 3	4 Ah	5 pc(s).	25 pc(s).	0.357 kg
Accu-NiCd 4A 50	89800085	1 x 4	4 Ah	5 pc(s).	25 pc(s).	0.472 kg
Accu-NiCd 5A 50	89800086	1 x 5	4 Ah	5 pc(s).	25 pc(s).	0.587 kg
NiCd 4.0 Ah D cells – stick + stick						
Accu-NiCd 5C 50	89800087	2 + 3	4 Ah	5 pc(s).	25 pc(s).	0.600 kg
Accu-NiCd 6C 50	89800088	3 + 3	4 Ah	5 pc(s).	25 pc(s).	0.714 kg

Specific technical data

Type	Article number	Figure	Number of cells	Capacity	Length L	Hole spacing D	Width B	Height H
NiCd 4.0 Ah D cells – stick								
Accu-NiCd 3A 50	89800084	1	3	4 Ah	210 mm	198 mm	36 mm	35 mm
Accu-NiCd 4A 50	89800085	1	4	4 Ah	269 mm	257 mm	36 mm	35 mm
Accu-NiCd 5A 50	89800086	1	5	4 Ah	328 mm	316 mm	36 mm	35 mm
NiCd 4.0 Ah D cells – stick + stick								
Accu-NiCd 5C 50	89800087	2	5	4 Ah	152 + 210 mm	140 + 198 mm	36 mm	35 mm
Accu-NiCd 6C 50	89800088	2	6	4 Ah	210 mm	198 mm	36 mm	35 mm



NiCd Battery pack 1.6 – 4.5 Ah

Nickel-Cadmium cells (NiCd)

Product description

- High-temperature NiCd battery pack for use with emergency lighting units
- 4-year design life
- 1-year guarantee

Properties

- Constant high-temperature operation – depending on the emergency lighting unit used (refer to respective emergency control gear datasheet)
 - Good charging properties at high temperature
 - High energy maintenance of the charged battery
 - Certified quality manufacturer
 - Casing material made of polycarbonate
 - 1.0 m integrated double-insulated cable
 - 1.0 mm² solid wire, pre-stripped
 - Suitable for emergency lighting equipment as per IEC 60598-2-22
- For product data sheet go to www.tridonic.com, or available on request

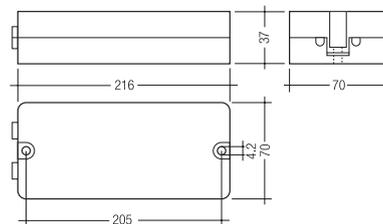


Fig. 1

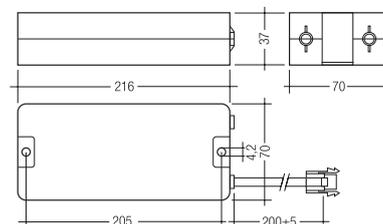


Fig. 2

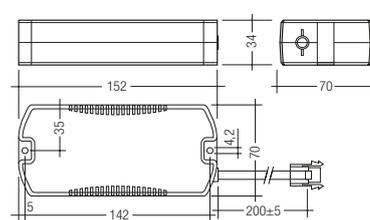


Fig. 3

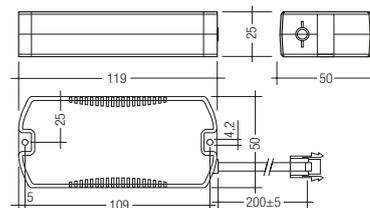


Fig. 4



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Technical data

Battery voltage per cell	1.2 V
Battery case temperature range (design life of 4 years)	Refer to emergency control gear datasheet

Ordering data

Type	Article number	Packaging carton	Packaging outer box	Weight per pc.
1.6 Ah battery pack				
Pack-NiCd 3C	89899676	5 pc(s).	25 pc(s).	0.302 kg
Pack-NiCd 4C	89899677	5 pc(s).	25 pc(s).	0.345 kg
Pack-NiCd 5C	89899678	5 pc(s).	25 pc(s).	0.390 kg
Pack-NiCd 6C	89899679	5 pc(s).	25 pc(s).	0.430 kg
Battery pack 1.8 Ah with connector				
Pack-NiCd 3C CON	28001221	5 pc(s).	10 pc(s).	0.270 kg
Pack-NiCd 4C CON	28001222	5 pc(s).	10 pc(s).	0.320 kg
Battery pack 4.5 Ah with connector				
Pack-NiCd 3D CON	89800389	5 pc(s).	10 pc(s).	0.534 kg
Pack-NiCd 4D CON	89800390	5 pc(s).	10 pc(s).	0.661 kg
Pack-NiCd 5D CON	28001181	5 pc(s).	5 pc(s).	0.840 kg
Pack-NiCd 6D CON	89800391	5 pc(s).	5 pc(s).	0.990 kg

Specific technical data

Type	Article number	Figure	Number of cells	Capacity	Dimensions L x W x H
1.6 Ah battery pack					
Pack-NiCd 3C	89899676	1	3	1.6 Ah	216 x 70 x 37 mm
Pack-NiCd 4C	89899677	1	4	1.6 Ah	216 x 70 x 37 mm
Pack-NiCd 5C	89899678	1	5	1.6 Ah	216 x 70 x 37 mm
Pack-NiCd 6C	89899679	1	6	1.6 Ah	216 x 70 x 37 mm
Battery pack 1.8 Ah with connector					
Pack-NiCd 3C CON	28001221	4	3	1.8 Ah	119 x 50 x 25 mm
Pack-NiCd 4C CON	28001222	4	4	1.8 Ah	119 x 50 x 25 mm
Battery pack 4.5 Ah with connector					
Pack-NiCd 5D CON	28001181	2	5	4.5 Ah	216 x 70 x 37 mm
Pack-NiCd 3D CON	89800389	3	3	4.5 Ah	152 x 70 x 34 mm
Pack-NiCd 4D CON	89800390	3	4	4.5 Ah	152 x 70 x 34 mm
Pack-NiCd 6D CON	89800391	2	6	4.5 Ah	216 x 70 x 37 mm

NEW

NiMH Accus 2.2 Ah

Nickel-Metal Hydride cells (NiMH)

Product description

- High-temperature NiMH cells for use with emergency lighting units
- 4-year design life
- 1-year guarantee

Properties

- Cadmium free
 - Constant high-temperature operation – depending on the emergency lighting unit used (refer to respective emergency control gear datasheet)
 - Low profile, cross-section 23 mm (without end caps)
 - Good charging properties at high temperature
 - High energy maintenance of the charged battery
 - Certified quality manufacturer
 - In various configurations
 - Simple connection with blade terminal
 - With polycarbonate fixing caps and connecting cable
 - Electrical connection with mounted end caps possible
 - Suitable for emergency lighting equipment as per IEC 60598-2-22
- For product data sheet go to www.tridonic.com, or available on request



Standards, page 696



Fig. 1: stick

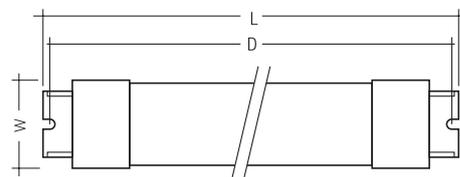


Fig. 2: stick + stick

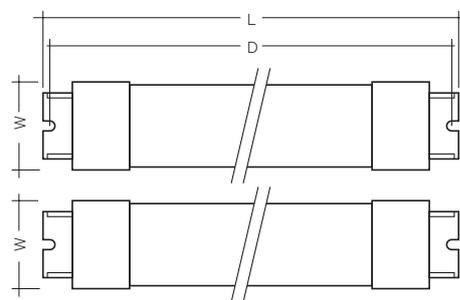
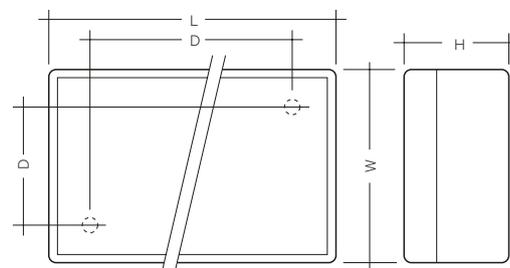


Fig. 3: side by side



Technical data

Battery voltage per cell	1.2 V
Min. battery casing temp. (design life of 4 years)	5 °C
Max. battery casing temp. (design life of 4 years)	Refer to emergency control gear datasheet

Ordering data

Type	Article number	Number of cells	Capacity	Packaging carton	Packaging outer box	Weight per pc.
NiMH Cs cells – stick, 2.2 Ah						
Accu-NiMH 2.2Ah 2A	28002087	2	2.2 Ah	5 pc(s).	25 pc(s).	0.14 kg
Accu-NiMH 2.2Ah 3A	28002088	3	2.2 Ah	5 pc(s).	25 pc(s).	0.19 kg
Accu-NiMH 2.2Ah 4A	28002089	4	2.2 Ah	5 pc(s).	25 pc(s).	0.25 kg
Accu-NiMH 2.2Ah 5A	28002090	5	2.2 Ah	5 pc(s).	25 pc(s).	0.29 kg
Accu-NiMH 2.2Ah 6A	28002091	6	2.2 Ah	5 pc(s).	25 pc(s).	0.33 kg
NiMH Cs cells – stick + stick, 2.2 Ah						
Accu-NiMH 2.2Ah 6C	28002092	6	2.2 Ah	5 pc(s).	25 pc(s).	0.36 kg
NiMH Cs cells – side by side, 2.2 Ah						
Accu-NiMH 2.2Ah 5B	28002093	5	2.2 Ah	5 pc(s).	25 pc(s).	0.30 kg

Specific technical data

Type	Article number	Figure	Number of cells	Capacity	Length L	Hole spacing D	Width B	Height H
NiMH Cs cells – stick, 2.2 Ah								
Accu-NiMH 2.2Ah 2A	28002087	1	2	2.2 Ah	125 mm	109 mm	28.0 mm	27.0 mm
Accu-NiMH 2.2Ah 3A	28002088	1	3	2.2 Ah	167 mm	152 mm	28.0 mm	27.0 mm
Accu-NiMH 2.2Ah 4A	28002089	1	4	2.2 Ah	209 mm	194 mm	28.0 mm	27.0 mm
Accu-NiMH 2.2Ah 5A	28002090	1	5	2.2 Ah	252 mm	237 mm	28.0 mm	27.0 mm
Accu-NiMH 2.2Ah 6A	28002091	1	6	2.2 Ah	294 mm	280 mm	28.0 mm	27.0 mm
NiMH Cs cells – stick + stick, 2.2 Ah								
Accu-NiMH 2.2Ah 6C	28002092	2	6	2.2 Ah	167 mm	152 mm	28.0 mm	27.0 mm
NiMH Cs cells – side by side, 2.2 Ah								
Accu-NiMH 2.2Ah 5B	28002093	3	5	2.2 Ah	134 mm	24 x 118 mm	48.5 mm	28.5 mm



NiMH Accus 4.0 Ah

Nickel-Metal Hydride cells (NiMH)

Product description

- High-temperature NiMH cells for use with emergency lighting units
- 4-year design life
- 1-year guarantee

Properties

- Cadmium free
 - Constant high-temperature operation – depending on the emergency lighting unit used (refer to respective emergency control gear datasheet)
 - Low profile, cross-section 21 mm
 - Good charging properties at high temperature
 - High energy maintenance of the charged battery
 - Certified quality manufacturer
 - In various configurations
 - Simple connection with plug-in system
 - With polycarbonate fixing caps
 - Suitable for emergency lighting equipment as per IEC 60598-2-22
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Battery voltage per cell	1.2 V
Min. battery casing temp. (design life of 4 years)	+ 5 °C
Max. battery casing temp. (design life of 4 years)	Refer to emergency control gear datasheet

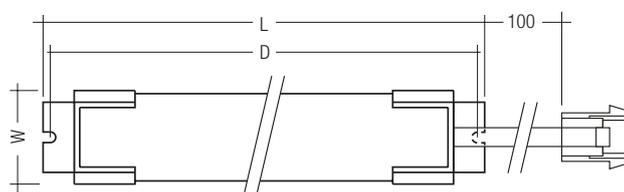


Fig. 1: stick

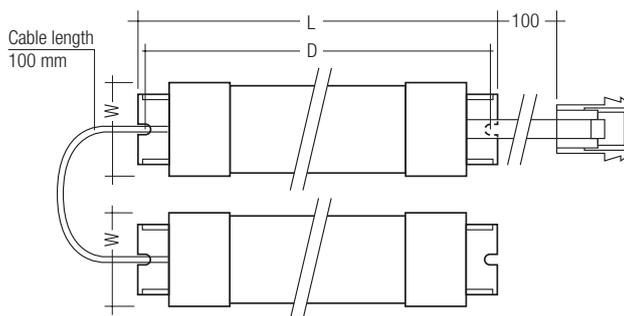


Fig. 2: stick + stick

Ordering data

Type	Article number	Number of cells	Capacity	Packaging carton	Packaging outer box	Weight per pc.
NiMH cells – stick, 4 Ah						
Accu-NiMH 4Ah 3A CON	89800441	3	4 Ah	5 pc(s).	25 pc(s).	0.24 kg
Accu-NiMH 4Ah 4A CON	89800442	4	4 Ah	5 pc(s).	25 pc(s).	0.32 kg
NiMH cells – stick + stick, 4 Ah						
Accu-NiMH 4Ah 4C CON	89800438	4	4 Ah	5 pc(s).	25 pc(s).	0.32 kg
Accu-NiMH 4Ah 5C CON	89800439	5	4 Ah	5 pc(s).	25 pc(s).	0.40 kg
Accu-NiMH 4Ah 6C CON	89800440	6	4 Ah	5 pc(s).	25 pc(s).	0.48 kg



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Specific technical data

Type	Article number	Figure	Number of cells	Capacity	Length L	Hole spacing D	Width B	Height H
NiMH cells – stick, 4 Ah								
Accu-NiMH 4Ah 3A CON	89800441	1	3	4 Ah	294 mm	284 mm	22 mm	21 mm
Accu-NiMH 4Ah 4A CON	89800442	1	4	4 Ah	382 mm	372 mm	22 mm	21 mm
NiMH cells – stick + stick, 4 Ah								
Accu-NiMH 4Ah 4C CON	89800438	2	4	4 Ah	204 + 204 mm	194 + 194 mm	22 mm	21 mm
Accu-NiMH 4Ah 5C CON	89800439	2	5	4 Ah	204 + 294 mm	194 + 284 mm	22 mm	21 mm
Accu-NiMH 4Ah 6C CON	89800440	2	6	4 Ah	294 + 294 mm	284 + 284 mm	22 mm	21 mm

NiMH Battery pack 2.2 – 4.0 Ah

Nickel-Metal Hydride cells (NiMH)

Product description

- High-temperature NiMH battery pack for use with emergency lighting units
- 4-year design life
- 1-year guarantee

Properties

- Constant high-temperature operation
- Temperature depending on the used emergency lighting unit (refer to respective emergency control gear datasheet)
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- Certified quality manufacturer
- Casing material made of polycarbonate
- 1.0 mm² stranded wire
- Suitable for emergency lighting equipment as per IEC 60598-2-22

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Battery voltage per cell	1.2 V
Dimensions L x W x H	126.4 x 50 x 40.5 mm
Battery case temperature range (design life of 4 years)	Refer to emergency control gear datasheet



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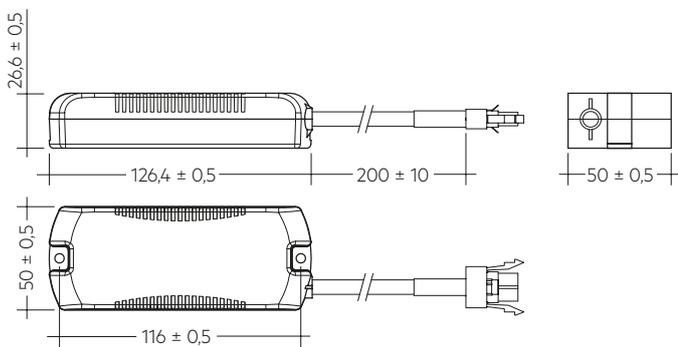


Fig. 1

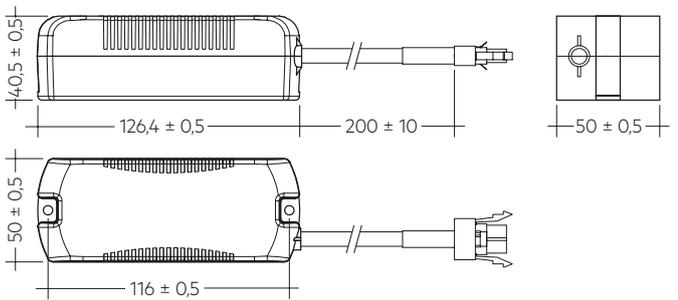
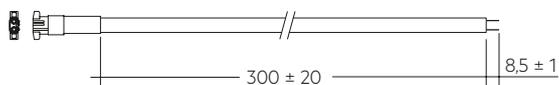


Fig. 2



Connector cable with plug

Ordering data

Type	Article number	Capacity	Packaging, carton	Packaging, outer box	Weight per pc.
PACK-NiMH 2.2Ah 3 CON	28001898	2.2 Ah	5 pc(s).	25 pc(s).	0.32 kg
PACK-NiMH 2.2Ah 4 CON	28001899	2.2 Ah	5 pc(s).	25 pc(s).	0.36 kg
PACK-NiMH 4Ah 3 CON	28001896	4.0 Ah	5 pc(s).	25 pc(s).	0.40 kg
PACK-NiMH 4Ah 4 CON	28001897	4.0 Ah	5 pc(s).	25 pc(s).	0.48 kg

Specific technical data

Type	Article number	Figure	Number of cells	Capacity	Dimensions L x W x H
PACK-NiMH 2.2Ah 3 CON	28001898	1	3	2.2 Ah	126.4 x 50 x 26.6 mm
PACK-NiMH 2.2Ah 4 CON	28001899	1	4	2.2 Ah	126.4 x 50 x 26.6 mm
PACK-NiMH 4Ah 3 CON	28001896	2	3	4.0 Ah	126.4 x 50 x 40.5 mm
PACK-NiMH 4Ah 4 CON	28001897	2	4	4.0 Ah	126.4 x 50 x 40.5 mm

NEW

Lithium Iron Phosphate Battery pack 1.5 – 3.0 Ah

Lithium Iron Phosphate cells (LiFePO₄)

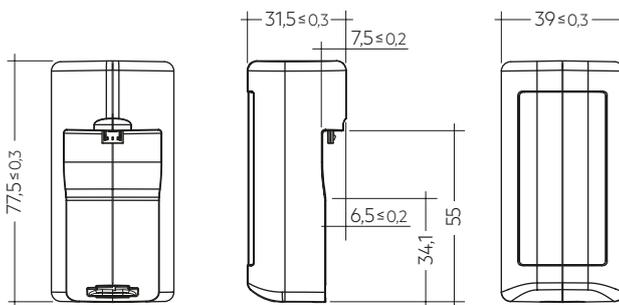
Product description

- Lithium Iron Phosphate replacement battery pack for use with EM ready2apply emergency lighting units
- 8-year design life (at up to 30 °C ambient temperature)
- 3-year guarantee

Properties

- Certified quality manufacturer
- Casing material made of polycarbonate
- Charge efficiency > 90 %
- Low self discharge
- Compact connector providing polarity safe battery connection
- Protection and monitoring circuit built into battery enclosure
- Battery protected against operation at excessive temperatures
- Deep discharge protection
- Suitable for emergency lighting equipment as per IEC 60598-2-22

→ For product data sheet go to www.tridonic.com, or available on request



Technical data

Battery voltage per cell	3.2 V
Battery capacity per cell	1.5 Ah
Ambient temperature range (design life of 8 years)	+5 ... +35 °C

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
Battery pack 1.5 Ah			
PACK-LiFePO ₄ 1,5Ah R2A	89800555	75 pc(s).	0.062 kg
Battery pack 3.0 Ah			
PACK-LiFePO ₄ 3,0Ah R2A	89800556	75 pc(s).	0.104 kg



Standards, [page 696](#)

Specific technical data

Type	Article number	Number of cells	Capacity	Dimensions L x W x H
Battery pack 1.5 Ah				
PACK-LiFePO ₄ 1,5Ah R2A	89800555	1	1.5 Ah	77.5 x 39 x 31.5 mm
Battery pack 3.0 Ah				
PACK-LiFePO ₄ 3,0Ah R2A	89800556	2	3.0 Ah	77.5 x 39 x 31.5 mm

Product overview

**SMART sensors****Intelligent energy savings**

Thanks to the digital SMART interface it is possible to connect daylight, presence and remote control sensors easily and directly to the ballast for fluorescent lamps. In this way we can guarantee maximum energy savings and maximum comfort.

**basicDIM****Intelligent network – and maximum energy savings**

The three most important requirements that modern lighting management systems have to meet are visual comfort, suitability to the tasks being performed and energy efficiency. With just a small addition you can turn your luminaire into an intelligent system. Compact and with low stand-by losses, it will then save you energy. Round the clock.

**DSI actuators****Simple solutions with a huge impact**

With DSI actuators appropriate light management solutions can be setup quickly and reliably. Even large lighting systems can be efficiently designed.

**SWITCH sensor****Space saving and fully integratable**

The extremely small presence detector and light sensor is equipped with radar technology and can therefore completely disappear in the luminaire. The adjustable detection area has been expanded up to 7 metres. The sensors are particularly space saving when used in combination with modules such as CLE G3 ADVANCED from Tridonic, which already offer the matching cut-out in the module.

**comfortDIM****Comfortable lighting. For unrestricted freedom**

Our comfortDIM light management system is based on two principles: comfort and independence. Your projects benefit from simplicity and maximum flexibility. At start-up and beyond.

Product overview



**connecDIM – Ethernet
TCP/IP to DALI**

The innovative lighting management solution connecDIM provides an excellent platform for smart, cost-effective and user-friendly control and lighting management.

- Commissioning via tablet or smartphones
- Unlimited number of gateways in the system. With one gateway, up to 4 DALI lines can be controlled
- DALI device addressing, testing of each DALI device
- Group and scene settings
- Control light according to your individual needs



ready2mains

ready2mains uses the mains cable to transmit information: easily, reliably and professionally. The ready2mains gateway 400VA provides an interface for transmitting digital control and dimming commands to ready2mains-compatible LED-Drivers via the mains wiring.

- Simple integration of sensors and pushbuttons thanks to one4all interface: DALI, DSI, switchDIM, corridorFUNCTION
- Total connected load: 400 VA max.
(maximum of 15 LED Drivers)
- Short-circuit and overload shutdown with automatic restart, overtemperature protection
- Rapid installation of cable clamp and terminal cover, no tool required

Product / function matrix

Portfolio	comfortDIM				
	DALI sensor		DALI control		
	DALI MSensor 02	DALI MSensor 5DPI 14f	DALI XC	DALI TOUCHPANEL 02	x/e touchPANEL 02
Manual dimming			yes	yes	yes
Presets / scenes	yes	yes	yes	yes	yes
Motion detection	yes	yes			
Daylight control / ambient light control	yes	yes			
Remote control	yes	yes			
Tunable White			yes	yes	yes
Automatic scene control (sequence)			yes		yes
Time-controlled daily processes (scheduler)					yes
Type of mounting: built-in	yes	yes	yes		
Type of mounting: surface-mount	yes	yes		yes	yes

Portfolio	basicDIM			DSI actuators	
	basicDIM DGC	basicDIM ILD	DSI-SMART PTM	DSI-V/T	DSI-A/D
Manual dimming	yes	yes	yes	yes	yes
Presets / scenes	yes			yes	
Motion detection	yes	yes	yes		
Daylight control / ambient light control	yes	yes	yes		
Remote control	yes	yes	yes		
Type of mounting: built-in	yes	yes	yes	yes	yes
Type of mounting: surface-mount	yes		yes	yes	
Switching contact (relay)	yes				
Switch input	yes	yes	yes	yes	
DALI IN	yes				

Portfolio	SWITCH sensor	
	smartSWITCH 5DP 14f	smartSWITCH HF 5DP f
Motion detection	yes	yes
Daylight control / ambient light control	yes	yes
Type of mounting: built-in	yes	yes
Switching contact (relay)	yes	yes

Lighting Controls and Connectivity

Intelligent lighting control

The right light in the right amount at the right place – this saves energy and creates an individual level of lighting comfort that promotes a feeling of well-being. Components from Tridonic provide the basis for innovative and tailor-made lighting solutions in which maximum energy efficiency is combined with optimum functionality for the specific application. Tridonic lighting controls represent the next generation of lighting management for modern lighting systems with daylight-dependent control, spectacular lighting moods and impressive colour chases.

Intelligent systems are characterised by the optimum interplay of controller, sensors and controls. They are perfectly tailored to work with Driver for LED modules and EM PRO emergency lighting units.

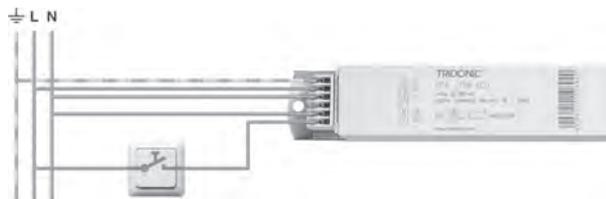
Task-specific lighting management

With our lighting controls all tasks are performed with the versions that are ecologically, economically and functionally the most attractive. Integrated solutions enable manufacturers to produce cost-effective energy-saving luminaires. Lighting planners and installers can use the right configuration based on an extensive range of equipment to suit the specific task and the required lighting design.

Tried and tested DSI technology (Digital Serial Interface) and the DALI interface protocol (Digital Addressable Lighting Interface) offer impressive flexibility – from individual intelligent luminaires and large room installations to lighting concepts for buildings that can even be linked to emergency lighting systems to provide a total package.

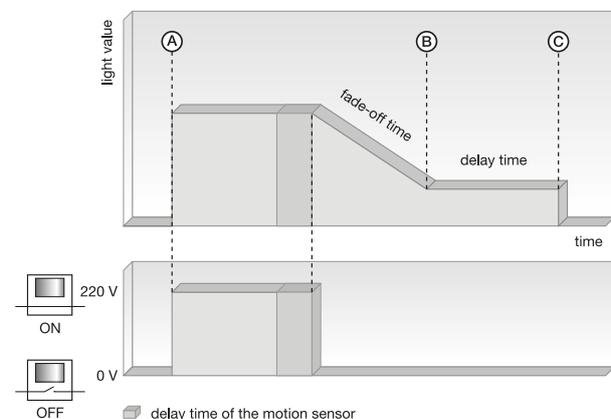
switchDIM – the simplest form of lighting management

switchDIM applications use the mains voltage as the control signal for the digital dimmable ballasts from Tridonic. This is the simplest form of lighting management, which makes switchDIM uncomplicated, cost-effective and extremely user-friendly. Only simple conventional mains voltage switches are therefore needed to dim and switch the lighting system from several locations.



Safe passage with integrated corridorFUNCTION

In presence-controlled lighting systems the corridorFUNCTION integrated in dimmable ballasts from Tridonic provides a new level of energy efficiency, safety and comfort. Instead of being switched-off abruptly if no movement is detected in stairwells, corridors, underground car parks or entrance halls, the lighting is dimmed to a low level and then switched-off after a delay of one minute. As soon as someone enters the room the light is switched back up to its full level.



corridorFUNCTION – huge benefits in terms of energy efficiency, safety and comfort. Within a user-definable time window (fade-off time) the lighting is dimmed to a low level (B) and switched-off after a certain well time (C). Alternatively the lighting can remain at this low background level.

SMART sensors – elements of a cost-effective constant lighting solution

Simple, cost-effective and energy-efficient constant lighting systems can be produced on the basis of digital dimmable PCA EXCEL one4all, PCA ECO and PCA BASIC, ballasts. SMART sensors, which are connected to the ballasts via the Tridonic SMART Interface, register the available ambient light or the presence of a person in the room. The level of light can be regulated to a user-defined constant light value or the luminaire can be switched-off if there is no-one in the room.

The compact components are easy to integrate, enabling luminaire manufacturers to offer products with added intelligence without having to compromise on the freedom of optimum design. Further control inputs on the ballast enable the luminaires to be integrated in a complete lighting system.

DSI – simply functional

To optimise the energy consumption of extensive groups of luminaires, for example in sports stadiums or factories, there are solutions based on the modularDIM system and the DSI digital interface. The attractive functions of a DSI lighting management system include simple programming of scenes and the option of common routing of the control line and mains power supply cabling in one duct. Digital transmission means no problems of interference and an identical dimming value for all the luminaires.

DALI – the established standard

DALI enables up to 64 digital dimmable ballasts with one4all interfaces to be individually addressed on a single line, 16 groups to be assigned and 16 lighting scenes to be programmed. Regrouping is possible at any time without the need for costly rewiring, for example after renovation or a change of function for a room.

With individual addressability and status feedback, the DALI-based comfortDIM lighting control systems not only offer top-quality monitoring functions but also open up new opportunities for developing high-quality lighting solutions because the various parameters can be easily programmed. With comfortDIM it is also possible for external systems such as louvre blind controllers to be integrated in the overall concept.

Other functions that have been implemented by Tridonic in ballasts with one4all interfaces and that go beyond the DALI standard contribute to greater lighting comfort and even greater energy savings.

Intelligent emergency lighting system

Compact emergency lighting systems for up to 120 individually addressable DALI emergency lighting LED Driver are easily implemented with e-touch. The status report for the emergency lighting system can be retrieved locally via an infra-red interface or in a networked installation with EM LINK software (available free of charge) via a standard web browser (TCP/IP).

Technical information

The latest technical information is available on the internet at: www.tridonic.com, menu "Technical data", submenu "Data sheets"

Personal enquiries

A form for personal enquiries is available on the internet at: www.tridonic.com, menu "Contact", submenu "Contact form"

**SMART Sensor 5D 19f**

Ambient light sensor for lighting control

Product description

- Optional ambient light sensor for PCA EXCEL one4all, PCA ECO and PCA BASIC devices from the xitec II generation
- With ambient light dependent control
- Simple setting of the set-point via integrated momentary-action switch at the sensor
- Compact dimensions for luminaire installation
- Simple cable connection to the ballast via SMART interface
- Power supply via ballast
- Max. installation height 5 m
- 5-year guarantee

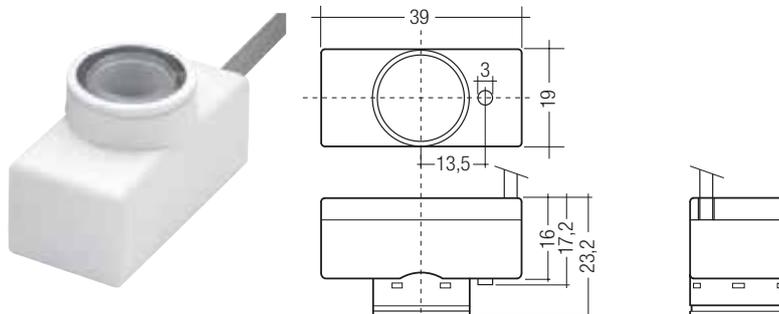
→ For product data sheet go to www.tridonic.com,
or available on request



For standards see data sheet

Product / function matrix, [page 814](#)

Wiring diagrams and installation examples see data sheet

**Technical data**

Supply via	SMART interface
Current draw	1 mA from SMART interface
Operating temperature	0 ... +70 °C
Storage temperature ts	-20 ... +75 °C
Type of protection	IP20
Max. casing temperature tc	73 °C

Ordering data

Type	Article number	Packaging, carton
SMART Sensor 5D 19f	28000888	20 pc(s).

Specific technical data

Type	Detection			Max. cable length	Control output (devices)
	Light detection angle symmetric	Light measurement at the sensor head ¹⁾	Illuminance (factory default) ²⁾		
SMART Sensor 5D 19f	42 °	40 – 1,000 lx	500 lx	0.8 m	1

¹⁾ The measured value at the sensor head corresponds to approx. 60 to 3,000 lux on the surface measured.

²⁾ The illuminance is set for a room defined by Tridonic. Depending on the actual room (reflectance) the measured illuminance may deviate from this value. The illuminance should therefore be checked in the installation and adjusted if necessary.

ACCESSORIES**SMART Sensor T5 Clip + Cap****Product description**

- Clip for mounting the sensor directly to the lamp and cover to protect against indirect light

**Ordering data**

Type	Article number	Packaging, bag	Packaging, carton
SMART Sensor T5 Clip + Cap	86459499	10 pc(s).	200 pc(s).

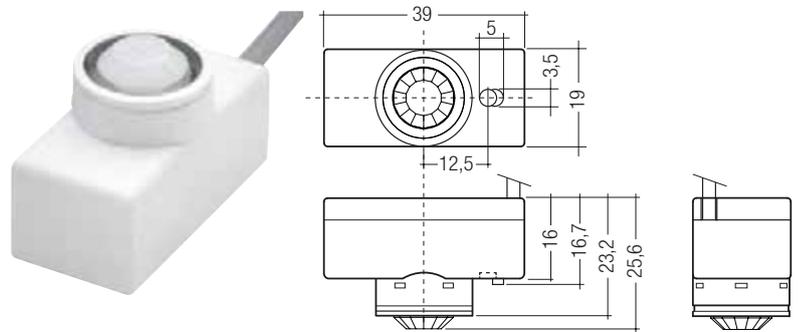


SMART Sensor 5DPI 19fe

Ambient light sensor and presence detector for lighting control

Product description

- Optional ambient light sensor and presence detector for PCA EXCEL one4all devices from the xitec II generation
 - Can be remote controlled
 - Compact dimensions for luminaire installation
 - Simple cable connection to the ballast via SMART interface
 - Power supply via ballast
 - Lighting control and presence detection can be deactivated
 - Individual adjustment of the parameters with configuration software
 - Optional with corridorFUNCTION profile
 - Optional connection with second ballast possible via accessory cable
 - Max. installation height 5 m
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Supply via	SMART interface
Current draw	1 mA from SMART interface
Operating temperature	0 ... +60 °C
Storage temperature ts	-20 ... +65 °C
Type of protection	IP20
Max. casing temperature tc	63 °C

Ordering data

Type	Article number	Packaging, carton
SMART Sensor 5DPI 19fe	28000922	20 pc(s).
SMART Sensor 5DPI 19fe cF 01	28000927	20 pc(s).



For standards see data sheet

Product / function matrix, [page 814](#)

Wiring diagrams and installation examples see data sheet

Specific technical data

Type	Detection			Motion detection angle symmetric	Max. cable length	Control output (devices)	corridorFUNCTION profile
	Light detection angle asymmetric	Light measurement at the sensor head ¹⁾	Illuminance (factory default) ²⁾				
SMART Sensor 5DPI 19fe	31°	40 – 1,000 lx	500 lx	92°	0.8 m	2	-
SMART Sensor 5DPI 19fe cF 01	31°	40 – 1,000 lx	500 lx	92°	0.8 m	2	switch-off 1 minute

¹⁾ The measured value at the sensor head corresponds to approx. 60 to 3,000 lux on the surface measured.

²⁾ The illuminance is set for a room defined by Tridonic. Depending on the actual room (reflectance) the measured illuminance may deviate from this value. The illuminance should therefore be checked in the installation and adjusted if necessary.

ACCES-
SORIES

SMART Sensor T5 Clip + Cap

Product description

- Clip for mounting the sensor directly to the lamp and cover to protect against indirect light



Ordering data

Type	Article number	Packaging, bag	Packaging, carton
SMART Sensor T5 Clip + Cap	86459499	10 pc(s).	200 pc(s).

REMOTECONTROL IR6

**Product description**

- Optional infra-red remote control
- Switching on and off (On/Off button)
- Dimming (Up/Down button)
- Activation of automatic lighting control
- Setting the threshold control point (Set button)

**Ordering data**

Type	Article number	Dimensions L x W x H	Packaging carton	Weight per pc.
REMOTECONTROL IR6	28000647	86.5 x 40.5 x 7.2 mm	500 pc(s)	0.019 kg



SMART Sensor 10DPI 19fe

Ambient light sensor and presence detector for lighting control

Product description

- Optional ambient light sensor and motion detector for PCA EXCEL one4all devices from the xitecy II generation
 - Can be remote controlled
 - Max. installation height 10 m
 - Compact dimensions for luminaire installation
 - Simple cable connection to the ballast via SMART interface
 - Power supply via ballast
 - Lighting control and presence detection can be deactivated
 - Individual adjustment of the parameters with configuration software
 - Optimal with corridorFUNCTION profile
 - Optional connection with second ballast possible via accessory cable
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 814](#)

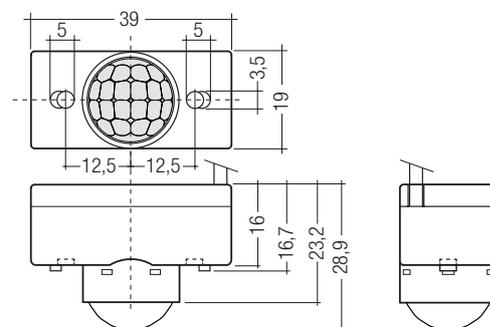
Wiring diagrams and installation examples see data sheet

Specific technical data

Type	Detection				Max. cable length	Control output (devices)	corridorFUNCTION profile
	Light detection angle asymmetric	Light measurement at the sensor head ¹⁾	Illuminance (factory default) ²⁾	Motion detection angle symmetric			
SMART Sensor 10DPI 19fe	38 °	40 – 1,000 lx	500 lx	93 °	0.8 m	2	–

¹⁾ The measured value at the sensor head corresponds to approx. 60 to 3,000 lux on the surface measured.

²⁾ The illuminance is set for a room defined by Tridonic. Depending on the actual room (reflectance) the measured illuminance may deviate from this value. The illuminance should therefore be checked in the installation and adjusted if necessary.



Technical data

Supply via	SMART interface
Current draw	1 mA from SMART interface
Operating temperature	0 ... +60 °C
Storage temperature ts	-20 ... +65 °C
Type of protection	IP20
Max. casing temperature tc	63 °C

Ordering data

Type	Article number	Packaging, carton
SMART Sensor 10DPI 19fe	28000923	20 pc(s).

ACCESSORIES

SMART Sensor T5 Clip + Cap

Product description

- Clip for mounting the sensor directly to the lamp and cover to protect against indirect light



Ordering data

Type	Article number	Packaging, bag	Packaging, carton
SMART Sensor T5 Clip + Cap	86459499	10 pc(s).	200 pc(s).

REMOTECONTROL IR6

**Product description**

- Optional infra-red remote control
- Switching on and off (On/Off button)
- Dimming (Up/Down button)
- Activation of automatic lighting control
- Setting the threshold control point (Set button)

**Ordering data**

Type	Article number	Dimensions L x W x H	Packaging carton	Weight per pc.
REMOTECONTROL IR6	28000647	86.5 x 40.5 x 7.2 mm	500 pc(s)	0.019 kg

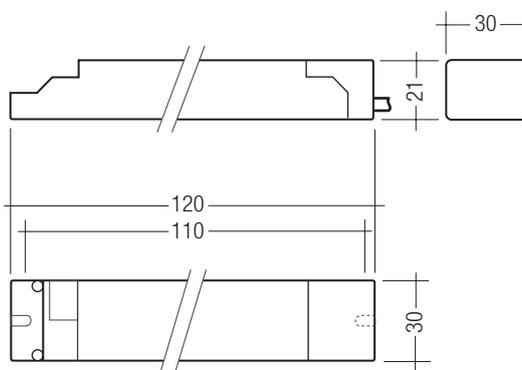


smartSWITCH 5DP 14f

Automatic switching based on motion and light level

Product description

- Motion detector for luminaire installation
 - For automatic on/off switching of luminaires with electronic ballasts
 - Bright-out function: luminaire is not switched on if there is adequate brightness
 - Maximum of 1 sensor possible
 - Low profile casing (21 x 30 mm)
 - For a maximum of 2 LED Drivers
 - Delay time and light value for the bright-out function can be set via 2 potentiometers
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Power (output on)	0.6 W
Output, stand-by (output off)	0.35 W
Ambient temperature ta	0 ... +60 °C



For standards see data sheet

Product / function matrix, [page 814](#)

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
smartSWITCH 5DP 14f	28001538	10 pc(s).	0.057 kg

Specific technical data

Type	Inputs		Output, relay (L)			
	Max. Smart SWITCH sensors	Sensor cable length	L' (switched phase)	Max. switching output (e.g. LCA) ¹⁾	Max. switching output [W]	Max. switching output [VA]
smart SWITCH 5DP 14f	1	0,54 m	220 – 240 V	2	500 W	200 VA

¹⁾ Due to the inrush current, not more than 2 Driver with a total power of 500 W can be connected to the smartSWITCH controller.

ACCES-
SORIES

5DPI 14f Mounting Kit

Product description

- Mounting frame for attaching all 5DP 14f sensor directly to the luminaire housing
- Shutter for preventing movement detection in one direction



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
5DPI 14f mounting kit	28001558	100 pc(s).	0.004 kg
5DPI 14f mounting kit black	28001575	100 pc(s).	0.004 kg

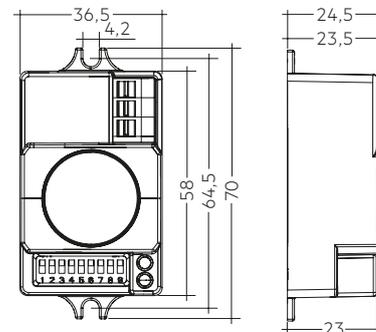


smartSWITCH HF 5DP f

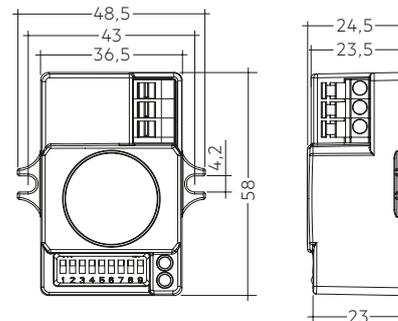
Automatic switching based on motion and light level

Product description

- Motion detector for luminaire installation
 - Motion detection through glass and thin materials (except metal)
 - For automatic on/off switching of electronic ballasts
 - Bright-out function: luminaire is not switched on if there is adequate brightness
 - Delay time, detection range and light value for the bright-out function can be set via 9 dip switches
 - Max. installation height 5 m
 - Two housing options allowing flexible installation
 - Variable detection area (100 – 10 %)
 - Zero cross switching supported
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



smartSWITCH HF 5DP f



smartSWITCH HF 5DP S f

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 Hz
Power consumption	< 0.5 W
Frequency	5.8 GHz (± 75 MHz)
Transmission power	< 0.2 mW
Load resistive	800 W
Load capacitive	400 VA
Detection angle	30 – 150°
Max. detection area at 3 m mounting height	∅ = 7 m
Max. mounting height	5 m
tc temperature	85 °C
Ambient temperature ta	-20 ... +70 °C
Storage temperature ts	-20 ... +70 °C
Humidity	Min. 5 % ... max. 85 % at 30 °C
Type of protection	IP20
Protection class	Reinforced insulation
Casing material	PC, halogen-free
Casing colour	RAL 9016 (white)

Ordering data

Type	Article number	Dimensions L x W x H	Packaging, carton	Weight per pc.
smartSWITCH HF 5DP f	28002214	70 x 36.5 x 24.5 mm	5 pc(s).	0.040 kg
smartSWITCH HF 5DP S f	28002235	58 x 48.5 x 24.5 mm	5 pc(s).	0.040 kg



For standards see data sheet

Wiring diagrams and installation examples see data sheet



DALI TOUCHPANEL BASIC

Operating and control unit

Product description

- Capacitive Touchpanel for controlling multiple luminaire Groups and calling up preset lighting Scenes
 - High-quality appearance with real glass display
 - Multi-master compatible: Multiple control modules are possible in a DALI system
 - Power supply via DALI line
 - Easy and individual adjustment of the control panel and button assignments with rotary switches
 - Tunable White (colour converter) control (colour temperature along the Planckian Locus, Colour temperature Tc)
 - Double terminals for through wiring
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



DALI TOUCHPANEL BASIC C



DALI TOUCHPANEL BASIC G



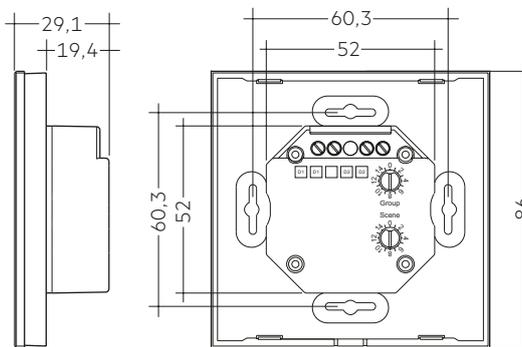
DALI TOUCHPANEL BASIC S



DALI TOUCHPANEL BASIC TW

Technical data

Supply via	DALI cable
Current draw	10 mA
Interface	DALI
Ambient temperature ta	0 ... +50 °C
Max. casing temperature tc	60 °C
Storage temperature ts	0 ... +50 °C
Humidity	5 % ... max. 85 % (non-condensing)
Type of protection	IP20
Casing material	PC
Casing colour	RAL 9010 (white)
Installation	In concealed box: ø60 x 61 mm (ø x H)
Dimensions (L x W x H)	86 x 86 x 291 mm



For standards see data sheet

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Model	Packaging, carton	Weight per pc.
DALI TOUCHPANEL BASIC C	28001987	Combination	10 pc(s).	0.21 kg
DALI TOUCHPANEL BASIC G	28001988	Group	10 pc(s).	0.21 kg
DALI TOUCHPANEL BASIC S	28001989	Scene	10 pc(s).	0.21 kg
DALI TOUCHPANEL BASIC TW	28001990	Tunable White	10 pc(s).	0.21 kg



basicDIM ILD 5DPI 14f

Compact control module with ambient light sensor and motion sensor

Product description

- Compact dimensions for luminaire installation
 - For up to 10 DSI or DALI devices (max. 5 per output channel)
 - 2 DALI/DSI output channels with adjustable negative off set from channel 2 to channel 1
 - Ambient light sensor with motion detector
 - Max. installation height 5 m
 - Momentary-action switch input for on/off switching and dimming
 - Can be remote controlled
 - Individual adjustment of the parameters with basicDIM ILD Programmer or DSI-SMART Programmer
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



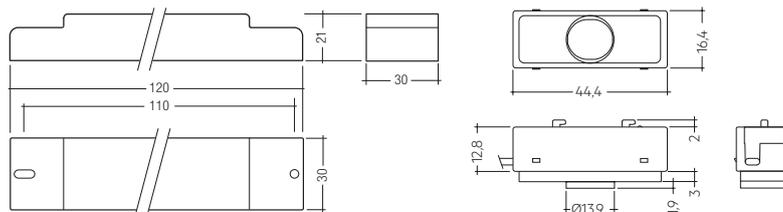
basicDIM ILD 5DPI 14F



basicDIM ILD 5DPI 14F Black

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Power consumption	2 W
Output, stand-by	0.5 W
Momentary-action switch input for dimming	single
Digital control line DSI/DALI	2
Control output (devices)	10
Max. output cable length at 1.5 mm ²	100 m
Operating temperature	0 ... +60 °C
Storage temperature ts	-25 ... +70 °C
Type of protection	IP20
Max. casing temperature tc	75 °C



For standards see data sheet

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Mounting	Packaging, carton
basicDIM ILD 5DPI 14f	28001203	Luminaire installation	10 pc(s).
basicDIM ILD 5DPI 14f Black	28001529	Luminaire installation	10 pc(s).
basicDIM ILD 5DPI 14f Black 1.8m	28001528	Luminaire installation	10 pc(s).

Specific technical data

Type	Detection			Motion detection angle symmetric	Max. cable length sensor
	Light detection angle asymmetric	Light measurement at the sensor head ¹⁾	Illuminance (factory default) ²⁾		
basicDIM ILD 5DPI 14f	60°	10 – 500 lx	150 lx	78°	0.8 m
basicDIM ILD 5DPI 14f Black	60°	10 – 500 lx	150 lx	78°	0.8 m
basicDIM ILD 5DPI 14f Black 1.8m	60°	10 – 500 lx	150 lx	78°	1.8 m

¹⁾ The measured value at the sensor head corresponds to approx. 15 to 2,000 lux on the surface measured.
²⁾ The illuminance is set for a room defined by Tridonic. Depending on the actual room (reflectance) the measured illuminance may deviate from this value. The illuminance should therefore be checked in the installation and adjusted if necessary.

REMOTECONTROL IR6

Product description

- Optional infra-red remote control
- Switching on and off (On/Off button)
- Dimming (Up/Down button)
- Activation of automatic lighting control
- Setting the threshold control point (Set button)



Ordering data

Type	Article number	Dimensions L x W x H	Packaging carton	Weight per pc.
REMOTECONTROL IR6	28000647	86.5 x 40.5 x 7.2 mm	500 pc(s).	0.019 kg

basicDIM ILD Programmer

Product description

- Optional infra-red programming unit for basicDIM ILD
- Setting of predefined discrete parameter values
- Programmable functions such as light level, time delay, P.I.R., bright-out, power up



Ordering data

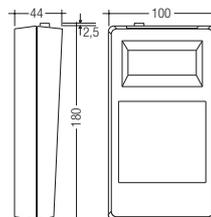
Type	Article number	Packaging, carton	Weight per pc.
basicDIM ILD Programmer	28000257	210 pc(s).	0.3 kg

RoHS

DSI SMART Programmer

Product description

- Optional infra-red programming unit for DSI-SMART PTM or basicDIM ILD
- Settings can be read and modified
- Programmable functions such as light level, time delay, P.I.R., bright-out, power up
- 5-year guarantee



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DSI-SMART Programmer	28000843	1 pc(s).	0.35 kg

5DPI 14f Mounting Kit

Product description

- Mounting frame for attaching all 5DP 14f sensor directly to the luminaire housing
- Shutter for preventing movement detection in one direction

**Ordering data**

Type	Article number	Packaging, carton	Weight per pc.
5DPI 14f mounting kit	28001558	100 pc(s).	0.004 kg
5DPI 14f mounting kit black	28001575	100 pc(s).	0.004 kg



basicDIM ILD 16DPI 69f

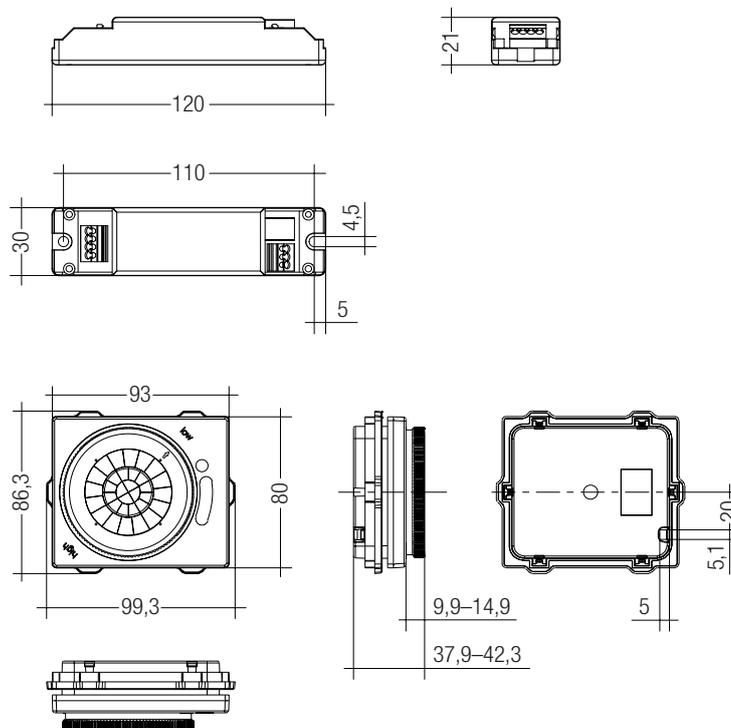
Compact control module with ambient light sensor and motion sensor

Product description

- Compact dimensions for luminaire installation
 - For up to 10 DSI or DALI devices (max. 5 per output channel)
 - 2 DALI/DSI output channels with adjustable negative off set from channel 2 to channel 1
 - Ambient light sensor with motion detector
 - Max. installation height 16 m
 - IP65 sensor head
 - Momentary-action switch input for on/off switching and dimming
 - Can be remote controlled
 - Individual adjustment of the parameters with DSI-SMART programmer
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Power consumption	2 W
Output, stand-by	0.5 W
Momentary-action switch input for dimming	Single
Digital control line DSI/DALI	2
Control output (devices)	10
Max. output cable length at 1.5 mm ²	100 m
Operating temperature	0 ... +60 °C
Storage temperature ts	-25 ... +70 °C
Type of protection controller	IP20
Type of protection sensor	IP65 ready
Max. casing temperature tc	75 °C



For standards see data sheet

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Mounting	Packaging, carton
basicDIM ILD 16DPI 69f	28001277	Luminaire installation	10 pc(s).

Specific technical data

Type	Detection				Max. cable length sensor
	Light detection angle	Light measurement at the sensor head ¹⁾	Illuminance (factory default) ²⁾	Motion detection angle high/low	
basicDIM ILD 16DPI 69f	13°	1 – 500 lx	150 lx	72° / 60°	0.8 m

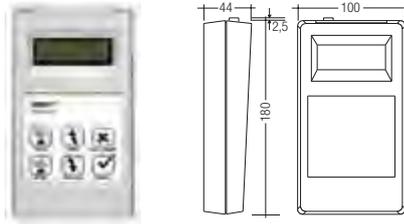
¹⁾ The measured value at the sensor head corresponds to approx. 15 to 2,000 lux on the surface measured.

²⁾ The illuminance is set for a room defined by Tridonic. Depending on the actual room (reflectance) the measured illuminance may deviate from this value. The illuminance should therefore be checked in the installation and adjusted if necessary.

RoHS

ACCESSORIES

DSI SMART Programmer



Ordering data

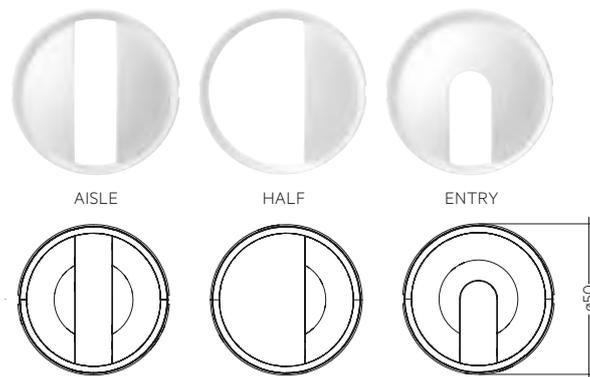
Type	Article number	Packaging, carton	Weight per pc.
DSI-SMART Programmer	28000843	1 pc(s).	0.35 kg

Product description

- Optional infra-red programming unit for DSI-SMART PTM or basicDIM ILD
- Settings can be read and modified
- Programmable functions such as light level, time delay, P.I.R., bright-out, power up
- 5-year guarantee

ACCESSORIES

Shading Set



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
ACU SHADING AISLE 16DPI highbay	28001658	500 pc(s).	0.002 kg
ACU SHADING HALF 16DPI highbay	28001660	500 pc(s).	0.002 kg
ACU SHADING ENTRY 16DPI highbay	28001659	500 pc(s).	0.003 kg

Product description

- Shading set consisting of 3 different types of lenses

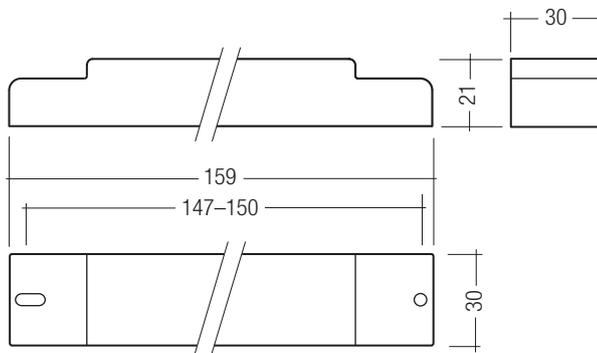


basicDIM DGC

Compact control module with 2 momentary-action switches input and 1 relays output

Product description

- Compact dimensions for luminaire installation
 - For up to 20 DSI or DALI ballasts (max. 10 per output channel)
 - DALI IN input
 - 2 DALI/DSI output channels with adjustable negative off set from channel 2 to channel 1
 - 1 relays output
 - Sensor input for up to 4 basicDIM DGC Sensors 5DPI 14
 - 2 switch inputs for on/off switching and dimming
 - Individual adjustment of the parameters with basicDIM DGC Programmer or software masterCONFIGURATOR
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Power	2.5 W
Output, stand-by	0.5 W
Current draw, input (DALI bus)	2 mA
Operating temperature	0 ... +60 °C
Storage temperature ts	-25 ... +70 °C
Type of protection	IP20
Max. casing temperature tc	70 °C

Ordering data

Type	Article number	Mounting	Packaging, carton
basicDIM DGC	28000920	Luminaire installation	10 pc(s).



For standards see data sheet

Product / function matrix, [page 814](#)

Wiring diagrams and installation examples see data sheet

Specific technical data

Type	Inputs				Outputs				CH2 as Link Line			Output, relay (L)		
	Dimming momentary-action switch	Max. cable length at 1.5 mm²	Max. basicDIM DGC Sensors	Max. sensor line length	Digital control line DSI/DALI	Control output per physical output (devices)	Dimming range	Max. cable length at 1.5 mm²	Voltage DC	Max. cable length at 1.5 mm²	Number of combinable modules	Max. switching output (e.g. LCA)	Max. switching output [VA]	Max. switching output [W]
basicDIM DGC	double	100 m	4	10 m	2	10	1 – 100 %	100 m	13 V	100 m	10	2	200 VA	500 W

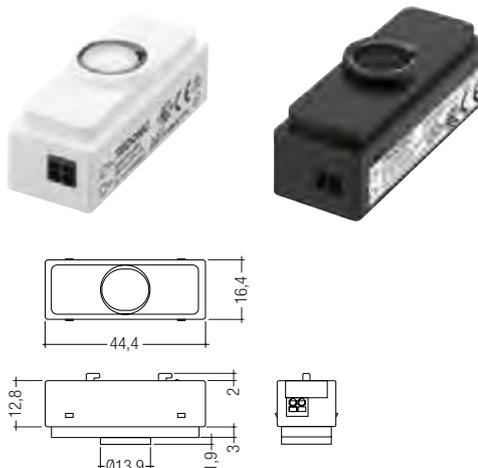
basicDIM DGC Sensor 5DPI 14f

Product description

- Light measurement and motion detection
- Up to 4 basicDIM DGC sensors on one basicDIM DGC
- Can be remote controlled
- Light measurement and motion detection can be deactivated
- Individual adjustment of the parameters with basicDIM DGC Programmer or software masterCONFIGURATOR
- Power supply via basicDIM DGC

Technical data

Ø of detection range, mounted at a height of 2.5 m	4 m
Swivel design	No
Detection angle	360°
Light measurement at the sensor head ¹⁾	10 – 650 lx
Infra-red control range	5 m
Max. mounting height	5 m
Operating temperature	0 ... +50 °C
Storage temperature ts	-25 ... +55 °C
Type of protection	IP20



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
basicDIM DGC Sensor 5DPI 14f – Luminaire installation	28000933	40 pc(s).	0.06 kg
basicDIM DGC Sensor 5DPI 14f black – Luminaire installation	28001696	40 pc(s).	0.06 kg

¹⁾ The measured value at the sensor head corresponds to approx. 15 to 2,000 lux on the surface measured.

5DPI 14f Mounting Kit

Product description

- Mounting frame for attaching all 5DP 14f sensor directly to the luminaire housing
- Shutter for preventing movement detection in one direction



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
5DPI 14f mounting kit	28001558	100 pc(s).	0.004 kg
5DPI 14f mounting kit black	28001575	100 pc(s).	0.004 kg

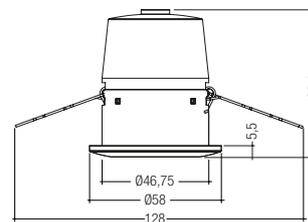
basicDIM DGC Sensor 5DPI 14rc

Product description

- Light measurement and motion detection
- Up to 4 basicDIM DGC sensors on one basicDIM DGC
- Can be remote controlled
- Light measurement and motion detection can be deactivated
- Individual adjustment of the parameters with basicDIM DGC Programmer or software masterCONFIGURATOR
- Power supply via basicDIM DGC

Technical data

Ø of detection range, mounted at a height of 2.5 m	4 m
Swivel design	No
Detection angle	360°
Light measurement at the sensor head ¹⁾	10 – 650 lx
Infra-red control range	5 m
Max. mounting height	5 m
Operating temperature	0 ... +50 °C
Storage temperature ts	-25 ... +55 °C
Type of protection	IP20



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
basicDIM DGC Sensor 5DPI 14rc Ceiling installation	28000934	63 pc(s).	0.06 kg

¹⁾ The measured value at the sensor head corresponds to approx. 15 to 2,000 lux on the surface measured.

basicDIM DGC Programmer

Product description

- Optional infra-red programming unit for basicDIM DGC
- Setting of predefined discrete parameter values
- Programmable functions such as light level, time delay, P.I.R., bright-out, power up



Ordering data

Type	Article number	Dimensions L x W x H	Packaging carton	Weight per pc.
basicDIM DGC PROGRAMMER	28000646	130 x 56 x 15 mm	120 pc(s).	0.02 kg

REMOTECONTROL IR6



Product description

- Optional infra-red remote control
- Switching on and off (On/Off button)
- Dimming (Up/Down button)
- Activation of automatic lighting control
- Setting the threshold control point (Set button)

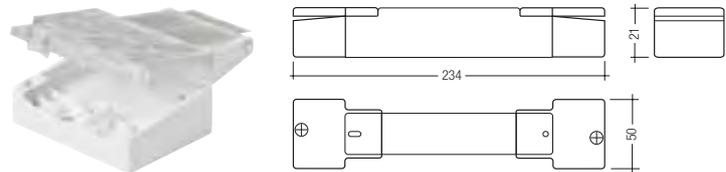


Ordering data

Type	Article number	Dimensions L x W x H	Packaging carton	Weight per pc.
REMOTECONTROL IR6	28000647	86.5 x 40.5 x 7.2 mm	500 pc(s).	0.019 kg

RoHS

Strain-relief set



Product description

- 5-year guarantee

Ordering data

Type	Article number	Packaging carton
Strain-relief set	28000881	10 pc(s).

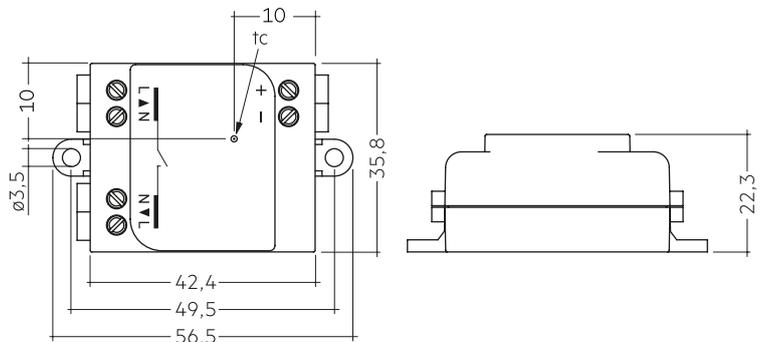


basicDIM Wireless

Wireless module for basicDIM

Product description

- Wireless controllable with a Android / iOS smart device
 - No need for an external gateway device
 - Forms automatically a wireless communication network with up to 127 nodes
 - Small form factor for luminaire installation
 - Configurable analog / digital output
 - Analog output: 0 – 10 V / 1 – 10 V sinking / sourcing
 - Digital output: Standalone DALI (compatible)
 - Easily implemented RGB and colour temperature controls
 - Controllable switched mains output
 - Device firmware can be updated over-the-air
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Radio transceiver operating frequencies	2.4 – 2.483 GHz
Max. output power radio transceiver	+4 dBm
Bus voltage DC DALI output	12 V
Shortcircuit current DALI output	7 mA
Max. DALI wiring length	1 m at 1 mm ² cross section
Operating temperature	-20 ... +50 °C
tc point	70 °C
Storage temperature	-25 ... +75 °C
Dimensions LxWxH	56.5 x 35.8 x 22.3 mm
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
basicDIM Wireless	28002212	100 pc(s).	0.048 kg



For standards see data sheet

Wiring diagrams and installation examples see data sheet

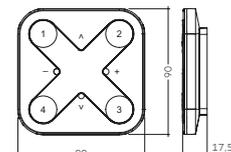


ACCES-
SORIES

basicDIM Wireless User Interface

Product description

- Battery powered, wireless wall switch
- Controls all types of basicDIM wireless devices
- 4 scenes
- Dim up / down
- Colour temperature control
- 5-year guarantee



Ordering data

Type	Article number	Colour	Packaging, carton	Weight per pc.
basicDIM Wireless User Interface black	28002213	Black	50 pc(s).	0.078 kg
basicDIM Wireless User Interface white	28002420	White	50 pc(s).	0.078 kg



basicDIM Wireless User Interface

Wireless user interface for basicDIM

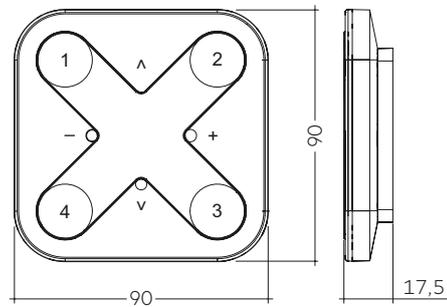
Product description

- Battery powered, wireless wall switch
 - Controls all types of basicDIM wireless devices
 - 4 scenes
 - Dim up / down
 - Colour temperature control
 - 5-year guarantee
- For product data sheet go to www.tridonic.com,
or available on request



Technical data

Battery Lithium-ion	CR 2430
Battery life	2 – 5 years, depending on usage
Radio transceiver operating frequencies	2.4 – 2.483 GHz
Max. output power radio transceiver	+ 4 dBm
Wireless range, in open air	up to 60 m
Ambient temperature t_a	0 ... +45 °C
Dimensions L x W x H	90 x 90 x 12 mm
Type of protection	IP20



For standards see data sheet

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Colour	Packaging, carton	Weight per pc.
basicDIM Wireless User Interface black	28002213	Black	50 pc(s).	0.078 kg
basicDIM Wireless User Interface white	28002420	White	50 pc(s).	0.078 kg



NEW

MSensor G3 SFI 30 PIR 10DPI WH

Multi-sensor

Product description

- Sensor developed to work with the latest DALI specification
- Monitoring of ambient light and motion detection
- Remote control interface allowing infrared remote control interaction
- Individual adjustment of the parameters with configuration software
- Power supply via DALI line
- Shutter for preventing movement detection in one direction included
- Small dimensions allowing easy and inconspicuous integration in luminaires
- Wide range of accessories allowing extended application range
- 5-year guarantee

Housing properties

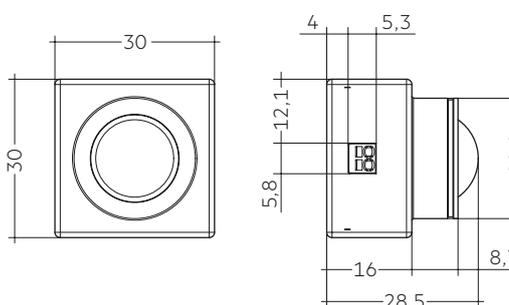
- Casing: polycarbonate, white
 - Type of protection up to IP66
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 814](#)

Wiring diagrams and installation examples see data sheet



Technical data

Supply via	DALI
Supply voltage	9.5 – 22.5 V
Current consumption (no LED)	max. 8 mA
Current consumption (with LED)	max. 9 mA
Mounting height	5 – 10 m
Mounting hole diameter	23 mm
Cover size of luminaire	0.75 – 4.00 mm
Detection angle for PIR detection	72°
Detection angle for light measurement	30° – 40°
Detection range for light measurement	0.5 – 2,000 lx
Ambient temperature t_a	-20 ... +50 °C
t_c	60 °C
Storage temperature	-25 ... +60 °C
Dimensions L x W x H	30 x 30 x 28.5 mm
Housing material body	PC polycarbonate
Housing material lens	PE polyethylene
Housing colour body	White (similar to RAL 9010)
Housing colour lens	White
Type of installation	Fitted in luminaires
Type of protection ¹⁾	Up to IP66

Ordering data

Type	Article number	Suitable for	Packaging, carton
MSensor G3 SFI 30 PIR 10DPI WH	2800219	Luminaire installation	10 pc(s).

¹⁾ Depending on the installation type up to IP66 for more details see data sheet.

ACCESSORIES

Sensor mounting kit ACU 030 IP66 WH

Product description

- Mounting ring allowing to mount the sensor into a luminaire in easy and visual attractive way
- Including three different gaskets 3, 5 and 8 mm
- For more details see chapter 3.5 (mounting ring) and 3.6 (gasket)

Ordering data

Type	Article number	Packaging carton	Weight per pc.
Sensor mounting kit ACU 030 IP66 WH	28002459	20 pc(s).	0.005 kg

ACCESSORIES

REMOTECONTROL IR6

Product description

- Optional infra-red remote control
- Switching on and off (On/Off button)
- Dimming (Up/Down button)
- Activation of automatic lighting control
- Setting the threshold control point (Set button)



Ordering data

Type	Article number	Dimensions L x W x H	Packaging carton	Weight per pc.
REMOTECONTROL IR6	28000647	86.5 x 40.5 x 7.2 mm	500 pc(s).	0.019 kg

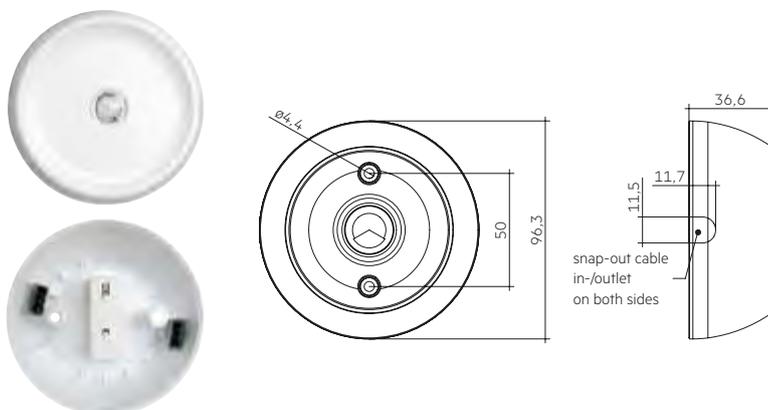


ACCES-
SORIES

Sensor housing ACU 031 IP20 WH

Product description

- Mounting frame for wired MSensor G3 SFI 30 PIR 10DPI WH sensors allowing direct mounting to the ceiling
- Easy „click in“ installation of the sensor
- IP20
- Casing: polycarbonate, white
- UV stabilized plastic
- MSensor G3 SFI 30 PIR 10DPI WH is powered via DALI circuit
- Mounting kit with screws and decorative plugs
- 0.5 mm wiring for the sensor
- Two 3 x 1.5 mm² clamps with cable management (2 entry points on oppsite sides)
- Including 3 mm gasket for ideal IP protection



Ordering data

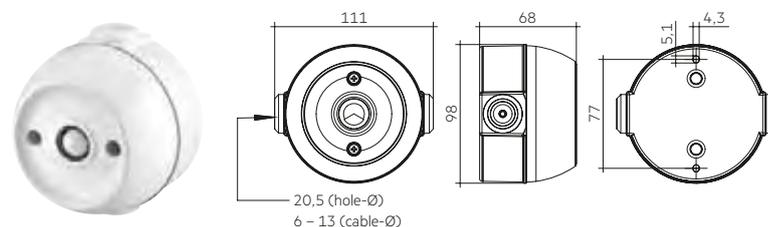
Type	Article number	Packaging, carton	Weight per pc.
Sensor housing ACU 031 IP20 WH	28001872	52 pc(s).	tbd kg

ACCES-
SORIES

Sensor housing ACU 032 IP66 WH

Product description

- Mounting frame for wired MSensor G3 SFI 30 PIR 10DPI WH sensors allowing direct mounting to the ceiling
- Easy „click in“ installation of the sensor
- IP66
- Casing: PC polycarbonate, white
- UV stabilized plastic
- MSensor G3 SFI 30 PIR 10DPI WH is powered via DALI circuit
- Optional shutter for reduction of movement detection area allowing to decrease the movement detection area from 360° to 240°
- Mounting kit with screws and decorative plugs
- Including 3 mm gasket for ideal IP protection



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
Sensor housing ACU 032 IP66 WH	28001873	tbd pc(s).	tbd kg



NEW

MSensor G3 SFI 30 PIR 16DPI WH

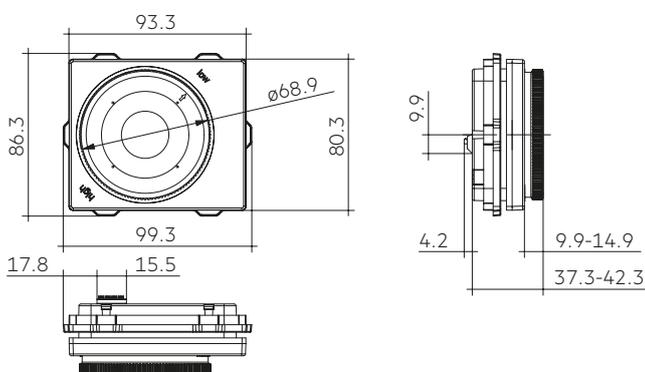
Multi-sensor

Product description

- Sensor developed to work with the latest DALI specification
- Monitoring of ambient light and motion detection
- Remote control interface allowing infrared remote control interaction
- Individual adjustment of the parameters
- Power supply via DALI line
- Mounting ring and gasket included to reach IP65 protection
- Wide range of accessories allowing extended application range
- Double terminals for through wiring
- 5-year guarantee

Housing properties

- Casing: polycarbonate, white
 - Type of protection up to IP66
- For product data sheet go to www.tridonic.com, or available on request



For standards see data sheet

Product / function matrix, [page 814](#)

Wiring diagrams and installation examples see data sheet

Technical data

Supply via	DALI
Supply voltage	9.5 – 22.5 V
Current consumption (no LED)	max. 8 mA
Current consumption (with LED)	max. 9 mA
Mounting height ¹⁾	8 – 18 m
Adjustment range position "low"	8 – 12 m
Adjustment range position "high" ²⁾	12 – 18 m
Mounting opening	70 x 83 mm
Cover size of luminaire	0.75 – 4.00 mm
Detection angle for PIR detection angle "low"	72°
Detection angle for PIR detection angle "high"	60°
Detection range for light measurement	1 – 2,000 lx
Ambient temperature <i>t_a</i>	-20 ... +50 °C
<i>t_c</i>	60 °C
Storage temperature	-25 ... +60 °C
Dimensions L x W x H	99.3 x 86.3 x 46.5 mm
Housing material body	PC polycarbonate
Housing material lens	PE polyethylene
Housing colour body	White (similar to RAL 9010)
Housing colour lens	White
Type of installation	Fitted in luminaires
Type of protection ²⁾	Up to IP65

Ordering data

Type	Article number	Suitable for	Packaging, carton
MSensor G3 SFI 30 PIR 16DPI WH	28002234	Luminaire installation	10 pc(s).

¹⁾ For mounting height higher than 16 m it is recommended to use several sensors grouped together in one presence group. As the sensitivity for the detection diameter can not be guaranteed for high over 16 m.

²⁾ Depending on the installation type up to IP66 for more details see data sheet.

ACCES-
SORIES

REMOTECONTROL IR6

Product description

- Optional infra-red remote control
- Switching on and off (On/Off button)
- Dimming (Up/Down button)
- Activation of automatic lighting control
- Setting the threshold control point (Set button)



Ordering data

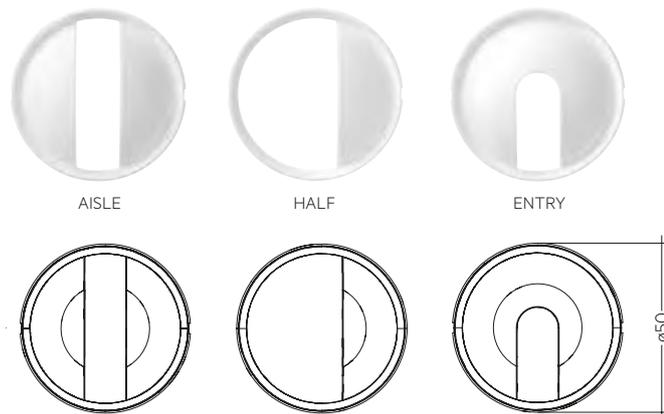
Type	Article number	Dimensions L x W x H	Packaging carton	Weight per pc.
REMOTECONTROL IR6	28000647	86.5 x 40.5 x 7.2 mm	500 pc(s).	0.019 kg

ACCES-
SORIES

Shading Set

Product description

- Shading set consisting of 3 different types of lenses
- Three different covers for the MSensor G3 SFI 30 PIR 16DPI WH give the ability to reduce the detection area in aisle applications
- These covers can be attached or removed from/to the front of the sensor at any time without the need of opening the luminaire
- To have a maximum of flexibility these covers can be attached in every direction of 0°, 90°, 180° and 270°



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
ACU SHADING AISLE 16DPI highbay	28001658	64 pc(s).	0.002 kg
ACU SHADING HALF 16DPI highbay	28001660	500 pc(s).	0.002 kg
ACU SHADING ENTRY 16DPI highbay	28001659	500 pc(s).	0.003 kg

Shading Set

Product description

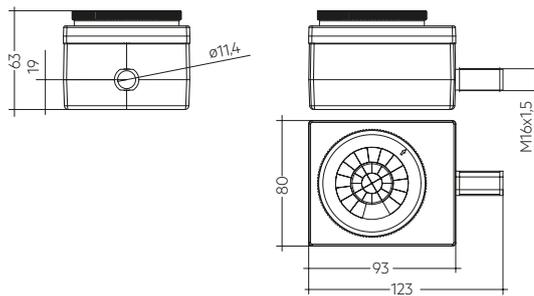
- Easy adaptation of suspended lighting fixtures to a sensor solution, just by adding one additional hole
- Side entry screw connection in combination with rubber gasket gives a true IP65 protection for industrial applications



ACU MOUNTING BOX 16DPI HIGHBAY



ACU MOUNTING BOX 16DPI HIGHBAY with sensor



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
ACU MOUNTING BOX 16DPI HIGHBAY	28001568	64 pc(s).	0.105 kg



DALI MSensor 02

Multi-sensor for DALI system

Product description

- Component of the comfortDIM system (DALI standalone)
 - With ambient light dependent control and presence detection
 - Simple group assignment via rotary switch
 - Multiple MSensors possible in a group
 - Can be remote controlled
 - Lighting control and presence detection can be deactivated
 - Individual adjustment of the parameters with configuration software
 - Multi-master compatible: Multiple control modules are possible in a DALI system
 - Power supply via DALI line
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Supply via	DALI cable
Current draw	6 mA from DALI
Operating temperature	0 ... +50 °C
Storage temperature ts	-25 ... +55 °C
Type of protection	IP20



For standards see data sheet

Product / function matrix, [page 814](#)

Wiring diagrams and installation examples see data sheet

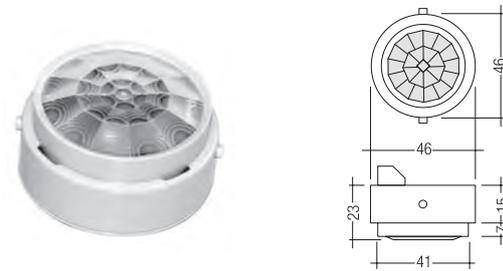


Fig. 1



Fig. 2

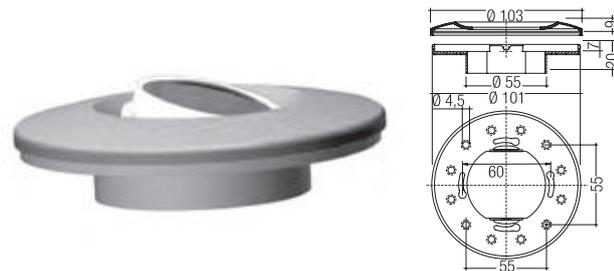


Fig. 3

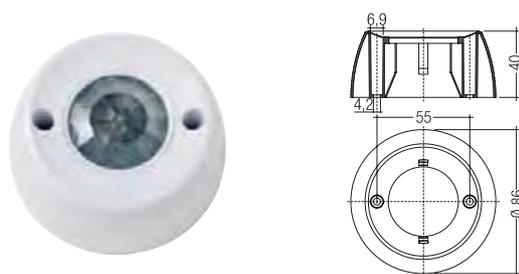


Fig. 4

Ordering data

Type	Article number	Figure	Packaging, carton
DALI-MSensor 02 SDPI 41f – Luminaire installation	28000897	1	12 pc(s).
DALI-MSensor 02 SDPI 41rc – Ceiling installation	28000895	2	20 pc(s).
DALI-MSensor 02 SDPI 41w – Box installation	28000896	3	20 pc(s).
DALI-MSensor 02 SDPI 41rs – Surface mounting	28000894	4	20 pc(s).

Specific technical data

Type	Detection						
	Ø of detection range, mounted at a height of 2.5 m	Extension of the detection area ¹⁾	Swivel design	Swivel range	Detection angle	Light measurement at the sensor head ²⁾	Infra-red control range
DALI-MSensor 02 5DPI 41f	5 m	–	no	0°	360°	10 – 650 lx	5 m
DALI-MSensor 02 5DPI 41rc	5 m	2 m	yes	±15°	360°	10 – 650 lx	5 m
DALI-MSensor 02 5DPI 41w	5 m	2 m	yes	±15°	360°	10 – 650 lx	5 m
DALI-MSensor 02 5DPI 41rs	5 m	–	no	0°	360°	10 – 650 lx	5 m

¹⁾ If mounted at a height of 2.5 m and swivelled through 15°.

²⁾ The measured value at the sensor head corresponds to approx. 15 to 2,000 lux on the surface measured.

ACCESSORIES

REMOTECONTROL IR6

Product description

- Optional infra-red remote control
- Switching on and off (On/Off button)
- Dimming (Up/Down button)
- Activation of automatic lighting control
- Setting the threshold control point (Set button)



Ordering data

Type	Article number	Dimensions L x W x H	Packaging carton	Weight per pc.
REMOTECONTROL IR6	28000647	86.5 x 40.5 x 7.2 mm	500 pc(s).	0.019 kg





DALI MSensor 5DPI 14

Multi-sensor for DALI system

Product description

- Component of the comfortDIM system (DALI standalone)
 - With ambient light dependent control and presence detection
 - Multiple MSensors possible in a group
 - Can be remote controlled
 - Lighting control and presence detection can be deactivated
 - Individual adjustment of the parameters with configuration software
 - Multi-master compatible: Multiple control modules are possible in a DALI system
 - Power supply via DALI line
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request

Technical data

Supply via	DALI cable
Current draw	6 mA from DALI
Operating temperature	0 ... +50 °C
Storage temperature ts	-25 ... +55 °C
Type of protection	IP20

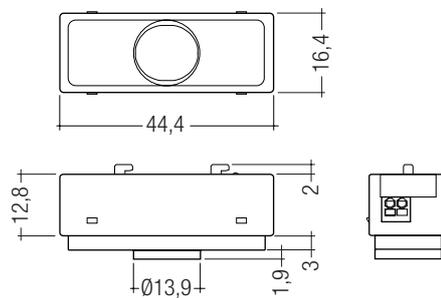


Fig. 1

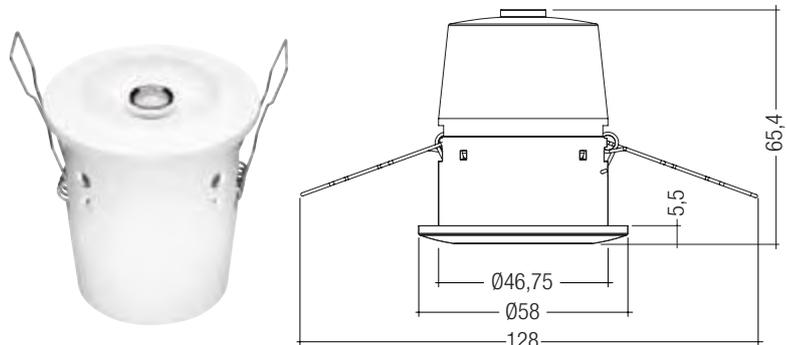


Fig. 2



For standards see data sheet

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Figure	Packaging, carton	Weight per pc.
basicDIM DGC Sensor 5DPI 14f – Luminaire installation	28000933	1	40 pc(s).	0.06 kg
basicDIM DGC Sensor 5DPI 14f black – Luminaire installation	28001696	1	40 pc(s).	0.06 kg
basicDIM DGC Sensor 5DPI 14rc – Ceiling installation	28000934	2	63 pc(s).	0.06 kg

Specific technical data

Type	Detection				
	Ø of detection range, mounted at a height of 2.5 m	Swivel design	Detection angle	Light measurement at the sensor head ¹⁾	Infra-red control range
MSensor 5DPI 14f	4 m	no	360°	10 – 650 lx	5 m
MSensor 5DPI 14rc	4 m	no	360°	10 – 650 lx	5 m

¹⁾ If mounted at a height of 2.5 m and swivelled through 15°.

ACCESSORIES

REMOTECONTROL IR6



Ordering data

Type	Article number	Dimensions L x W x H	Packaging carton	Weight per pc.
REMOTECONTROL IR6	28000647	86.5 x 40.5 x 7.2 mm	500 pc(s).	0.019 kg

Product description

- Optional infra-red remote control
- Switching on and off (On/Off button)
- Dimming (Up/Down button)
- Activation of automatic lighting control
- Setting the threshold control point (Set button)



ACCESSORIES

5DPI 14f Mounting Kit



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
5DPI 14f mounting kit	28001558	100 pc(s).	0.004 kg
5DPI 14f mounting kit black	28001575	100 pc(s).	0.004 kg

Product description

- Mounting frame for attaching all 5DP 14f sensor directly to the luminaire housing
- Shutter for preventing movement detection in one direction



DALI USB

PC interface module for DALI systems

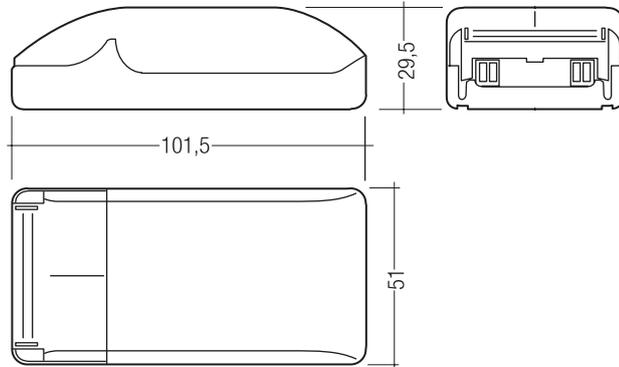
Product description

- Interface module from USB to a DALI system
 - For connecting Tridonic software tools
 - Addressing, programming and parametrising DALI installations and Tridonic devices
 - Power supply via DALI line and USB interface
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Supply via	DALI cable and USB interface
Current draw	6 mA from DALI
Input	1 USB (Personal Computer)
Output	DALI
Ambient temperature t_a	0 ... +50 °C
Type of protection	IP20



For standards see data sheet

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton
DALI-USB	24138923	50 pc(s).

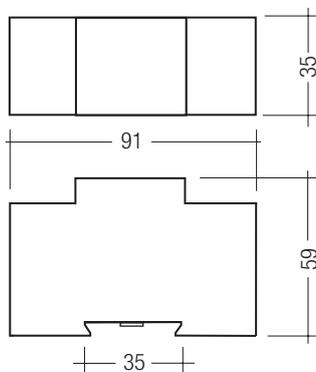


DALI Interface RS232 PS/S

PC interface module for DALI systems

Product description

- Combines interface module and DALI power supply
 - Integrated power supply with 240 mA for DALI devices or DALI control modules without power supply
 - Interface module for connection of DALI systems with computer or programmable control systems
 - For installation in switching cabinets
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	110 – 240 V
Permitted input voltage	110 – 260 V
Mains frequency	50 / 60 Hz
Power	1 – 6 W
Stand-by power	1 W
Max. output current, DALI	240 mA
Output voltage	16 V ±5 %
Input RS232	1
DALO output	1
Operating temperature	0 ... +50 °C
Storage temperature ts	-20 ... +60 °C
Max. casing temperature tc	80 °C
Permitted relative humidity	10 – 90 %, not condensed
Mounting	DIN rail mounting, 35 mm
Housing material	PC, flame retardant, halogen-free
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI Interface RS232 PS/S	28001847	15 pc(s).	0.09 kg



For standards see data sheet

Wiring diagrams and installation examples see data sheet

ACCES-
SORIES

connecDIM RS232 cable

Product description

- Connection cable 1 m for connection of computer with DALI Interface RS232 PS/S
- RJ45 to D-sub unshielded



Ordering data

Type	Article number	Length	Packaging, carton	Weight per pc.
DALI Interface RS232 cable	28000087	1 m	1 pc(s).	0.06 kg



DALI repeater

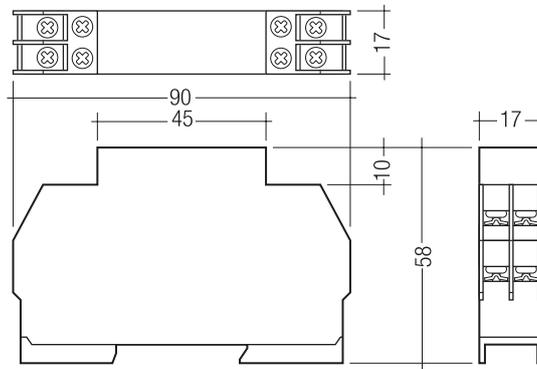
Extension of DALI cable length

Product description

- For amplifying the DALI signal
- For extending the DALI line length from 300 to 600 m
- A star-type network with multiple DALI repeater's can be set up
- Power supply via DALI line
- For installation in switching cabinets
- 5-year guarantee

Note

- Because of the signal delay it is not possible to connect multiple DALI repeaters in series (no cascading)
 - There is no increase in the maximum number of DALI units. A maximum of 64 DALI addresses can be configured in a DALI circuit (main and subordinate circuit)
 - Because of the electrical isolation between the main circuit and the subordinate circuit an additional DALI power supply unit is needed for each DALI repeater
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Supply via	DALI cable
Current draw for main control circuit (IN)	6 mA from DALI
Current draw for subordinate control circuit (OUT)	4 mA from DALI
Input	DALI
Output	DALI
Operating temperature	0 ... +50 °C
Storage temperature ts	-20 ... +70 °C
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton
DALI Repeater	86458401	1 pc(s).



For standards see data sheet

Wiring diagrams and installation examples see data sheet

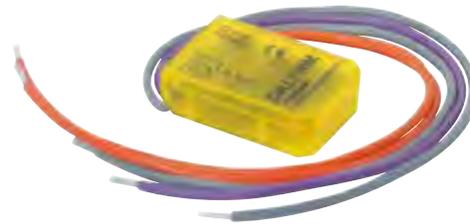


DALI RM

DALI control module for 1 relays

Product description

- Control of one standard contactor
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



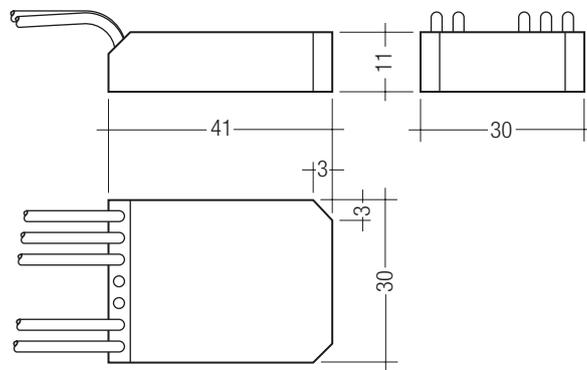
Technical data

Ambient temperature t_a	0 ... +50 °C
Type of protection	IP20



For standards see data sheet

Wiring diagrams and installation examples see data sheet



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI-RM	24034702	1 pc(s).	0.087 kg

Specific technical data

Type	Inputs			Output, relay			
	DALI control input	Current draw	Number of DALI addresses	Max. switching voltage AC	Max. switching voltage DC	Type of contact	Min. contact load
DALI-RM	1	12 mA from DALI	1	250 V	35 V	1 changeover	12 W



DALI-RM/S 4x10 A

DALI relay output with 4 independent 10 A switching contacts

Product description

- Switching of 4 independent and potential free contacts via DALI
 - Max. switching current per contact:
10 A at ohmic load ($\cos \Phi = 1$)
 - 1 DALI address per switching contact
 - For installation in switching cabinets
 - Status LED for indicating the operating status
 - Test switch for installation test
 - 5-year guarantee
- For product data sheet go to www.tridonic.com,
or available on request



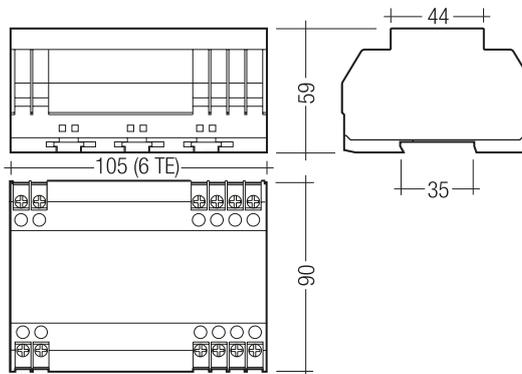
Technical data

Rated supply voltage	230 – 240 V
Mains frequency	50 / 60 Hz
Power	< 2 W
Ambient temperature t_a	0 ... +50 °C
Storage temperature t_s	-20 ... +70 °C
Humidity ¹⁾	5 % ... max. 85 %
Type of protection	IP20



For standards see data sheet

Wiring diagrams and installation examples see data sheet



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI-RM/S 4x10A	22185237	1 pc(s).	0.46 kg

Specific technical data

Type	Inputs			Output, relay		
	DALI control input	Current draw	Number of DALI addresses	Relay, floating	Switching output (at 125 V DC max.) ²⁾	Switching output (at 240 V AC max.) ²⁾
DALI-RM/S 4x10A	1	2 mA from DALI	4 (1 per contact)	4 (make contact)	30 W (ohmic load)	2,000 W / 10 A (ohmic load)

¹⁾ Not condensed (max. 56 days/year at 85 %).

²⁾ More loads see data sheet.



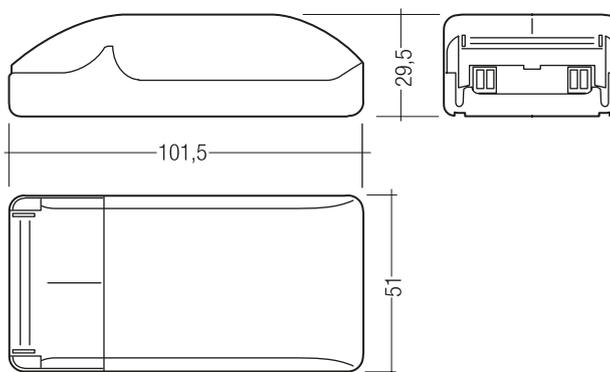
DALI PCD 1-300 one4all

Leading-edge/trailing-edge phase dimmer

Product description

- Digital leading-edge and trailing-edge phase dimmer
- Total connected load: 1 – 300 VA
- one4all input: DALI, DSI and switchDIM input
- 1 dimmed phase (output)
- With automatic load detection
- Surface-mounted casing
- Status LED for indicating the operating status
- Suitable for operation with LED retrofit bulbs
- 5-year guarantee

→ For product data sheet go to www.tridonic.com,
or available on request



Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Connected load	1 – 300 VA
Power loss	0.4 W (1.5 W at full load)
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI-PCD 1-300 one4all	28000441	25 pc(s).	0.085 kg

For standards see data sheet

Wiring diagrams and installation examples see data sheet

Specific technical data

Type	Inputs			Outputs			Terminals
	Input, DALI/DSI control input and switchDIM	Current draw	Number of DALI addresses	Dimmed phase	Control range, DSI	Control range, DALI	
DALI-PCD 1-300 one4all	1	2 mA from DALI	1	1	0; 1 – 100 %	0; 01 – 100 %	0.5 – 1.5 mm ²



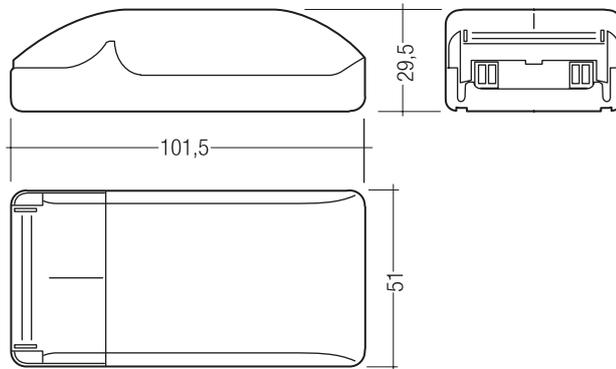
NEW

DALI PCD 1-300 one4all G2

Leading-edge/trailing-edge phase dimmer

Product description

- Digital leading-edge and trailing edge phase dimmers
 - Total connected load: 1 – 300 VA
 - one4all input: DALI, DSI, switchDIM and corridorFUNCTION input
 - 1 dimmed phase (output)
 - With automatic load detection
 - Surface-mounted casing
 - Suitable for operation with LED retrofit bulbs
 - 5-year guarantee
- For product data sheet go to www.tridonic.com,
or available on request



Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Connected load	1 – 300 VA
Power loss	0.4 W (1.5 W at full load)
Ambient temperature t_a	0 ... +50 °C
Type of protection	IP20



For standards see data sheet

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI-PCD 1-300 one4all G2	28002269	25 pc(s).	0.085 kg

Specific technical data

Type	Inputs			Outputs			Terminals
	Input, DALI / DSI control input / switchDIM and corridorFUNCTION	Current draw	Number of DALI addresses	Dimmed phase	Control range, DSI	Control range, DALI	
DALI-PCD 1-300 one4all G2	1	2 mA from DALI	1	1	1 – 100 %	0.1 – 100 %	0.5 – 1.5 mm ²

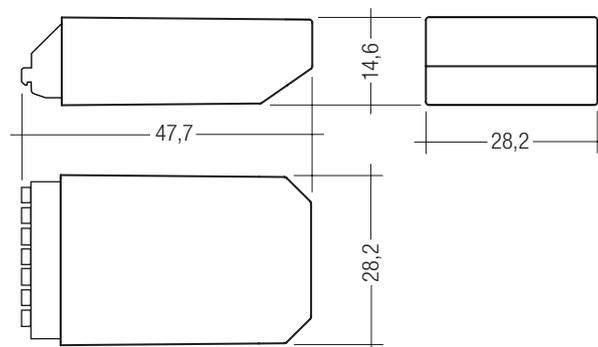


DALI XC

Control module with 4 freely programmable inputs

Product description

- DALI input controller
 - 4 independent inputs for floating contacts
 - For connecting standard momentary-action switch or switches
 - Adjustable operating mode and range via 2 rotary selector
 - Multiple DALI XCs possible on the DALI line
 - Power supply via DALI line
 - Connection wires according to the terminal colours with 25 cm length included
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Supply via	DALI cable
Current draw	6 mA
Input	4 momentary-action switches or relays
Output	DALI
Operating temperature	0 ... +60 °C
Storage temperature ts	-25 ... +80 °C
Starting time	≤ 6 s
Humidity	20 ... 90 % (non-condensing)
Type of protection	IP20
Mounting	Mounting box 60 x 61 (ø x T)
Housing material	PC, halogen-free polycarbonate, non-flammable
Dimensions L x W x H	47.7 x 28.2 x 14.6 mm

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI XC	28001716	125 pc(s).	0.035 kg



For standards see data sheet

Product / function matrix, [page 814](#)

Wiring diagrams and installation examples see data sheet

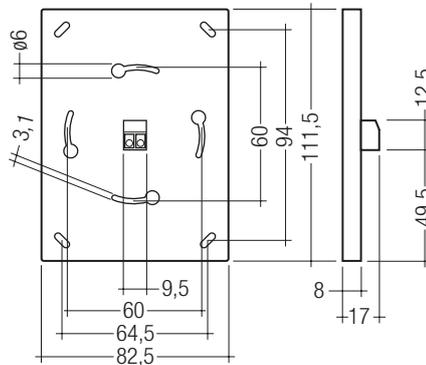


DALI TOUCHPANEL 02

Operating and control unit

Product description

- Control panels and controllers for DALI systems
 - For controlling multiple luminaire groups and calling up preset lighting scenes
 - Flexible design: individual design can be used
 - Multi-master compatible: Multiple control modules are possible in a DALI system
 - Power supply via DALI line
 - Individual adjustment of the control panel and button assignments with configuration software
 - Setting group addresses or "broadcast"
 - Setting scenes
 - Tunable White (colour converter) control (colour temperature along the Planckian Locus, Colour temperature Tc)
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Supply via	DALI cable
Current draw	6 mA
Output	DALI
Ambient temperature t_a	0 ... +50 °C
Storage temperature t_s	0 ... +50 °C
Humidity	5 % ... max. 85 % (non-condensing)
Type of protection	IP20
Housing material	ABS
Housing colour	RAL 9010

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI TOUCHPANEL02 – white	28000022	1 pc(s).	0.115 kg



For standards see data sheet

Product / function matrix, [page 814](#)

Wiring diagrams and installation examples see data sheet



DALI x/e-touchPANEL 02

Lighting and emergency lighting control system

Product description

DALI control system with 2 mode options:

- Light management in mains mode
- Emergency lighting management

Properties

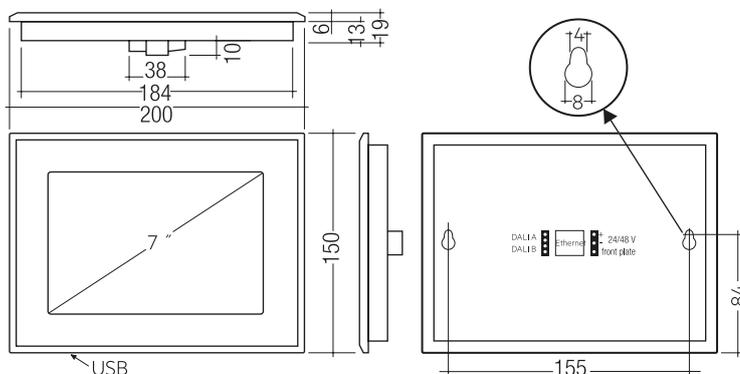
- Colour touch screen (7")
- Background lighting with RGB LEDs
- User-friendly application software
- With DALI system functions of addressing and grouping
- USB and ethernet interface
- Can be remote-controlled via standard internet browser or em-LINK software (available at www.tridonic.com)
- Up-/downloading of the emergency lighting test report and firmware via USB or Ethernet
- 5-year guarantee

Lighting management

- Lighting management system with up to 128 DALI devices
- Start-up, control and operating unit
- Manual dimming and switching
- Manual scene recall or timed scene recall with a maximum of 99 sequences
- Tunable White (colour converter) control (colour temperature along the Planckian Locus)
- Weekday-controlled sequence programming (schedule)
- User-defined labelling of scenes, groups, sequences and schedules
- Optimised mode for RGB coloured light management

Emergency lighting management

- For small and medium emergency lighting systems with up to 120 DALI emergency lighting units (60 for each DALI line) per DALI x/e-touchPANEL 02
 - 2 addresses for external status controls
 - Function and endurance tests can be conducted in accordance with local regulations
 - Supports patented addressing function ("EZ easy addressing")
 - Individual labelling of groups and devices
 - Calendar-controlled function and duration test
 - Interconnection of up to 25 panels for bigger installations possible
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage mains adapter	230 – 240 V
Mains frequency mains adapter	50 / 60 Hz
Rated supply voltage DALI x/e-touchPANEL 02	24 – 48 V DC
Power	10 W
Number of DALI circuits	2
Current consumption of each DALI line	2 mA
Ambient temperature t_a	0 ... +50 °C
Touchscreen size	7"
Touchscreen pixel	800 x 480
Colours	64K
Interface	USB, Ethernet
Dimensions L x W x H	200 x 150 x 20 mm
Distance between mounting holes (D)	155 mm
Type of protection	IP20
Housing material	Plastic PA-758

Ordering data

Type	Article number	Packaging, carton
DALI x/e-touchPANEL 02	28000005	1 pc(s).



For standards see data sheet

Product / function matrix, [page 814](#)

Wiring diagrams and installation examples see data sheet



DALI PS2

DALI power supply for installation in switching cabinets

Product description

- For supplying 240 mA for DALI devices or control modules without their own power supplies
 - For installation in switching cabinets
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request

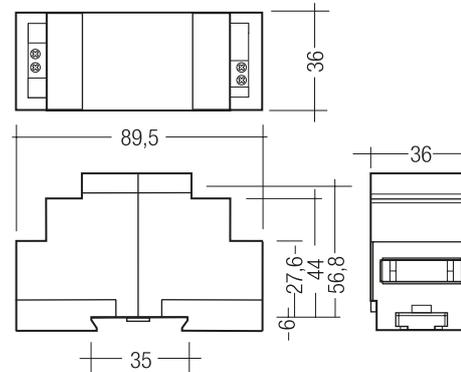
Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Power	5 W
Max. output current, DALI	240 mA
Operating temperature	0 ... +50 °C
Storage temperature ts	0 ... +70 °C
Type of protection	IP20



For standards see data sheet

Wiring diagrams and installation examples see data sheet



Ordering data

Type	Article number	Packaging, carton
DALI PS2	28000876	25 pc(s).



DALI PS1

DALI power supply for separate installation

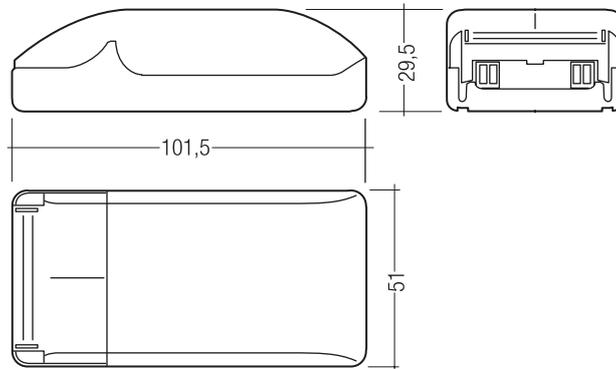
Product description

- For supplying 200 mA for DALI devices or control modules without their own power supplies
 - Surface-mounted casing
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	230 - 240 V
Mains frequency	50 / 60 Hz
Power	4 W
Output	DALI
Max. output current, DALI	200 mA
Ambient temperature t_a	0 ... +50 °C
Type of protection	IP20



For standards see data sheet

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton
DALI PS1	24034323	1 pc(s).



DSI-A/D

Converter for 1...10 V into DSI signal 1-channel for installation in luminaire

Product description

- Converter for converting analogue signals into DSI signals
- For connecting DSI devices in 1...10 V control systems
- For a maximum of 50 DSI devices
- Constant lighting control possible via terminal for SMART LS II
- On/off switching via separate switch input
- 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Technical data

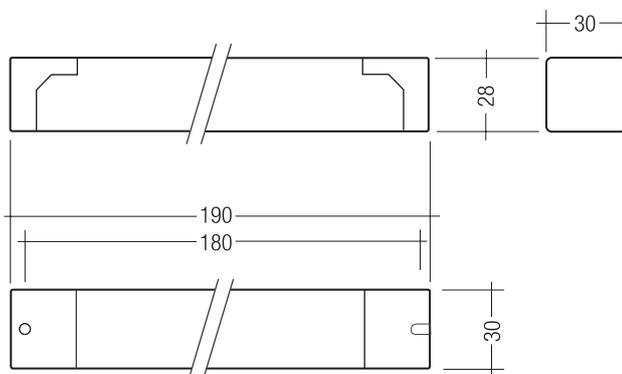
Rated supply voltage	230 – 240 V
Mains frequency	50 / 60 Hz
Power	4 W
Ambient temperature t_a	0 ... +60 °C
Type of protection	IP20



For standards see data sheet

Product / function matrix, [page 814](#)

Wiring diagrams and installation examples see data sheet



Ordering data

Type	Article number	Packaging, carton
DSI-A/D	28000850	10 pc(s).

Specific technical data

Type	Inputs				Outputs		
	Dimming	Dimming, potentiometer (optional) ¹⁾	ON/OFF switch (220–240 V)	Ambient light sensor	Digital control line DSI	Control output per physical output (devices)	Maximum DSI cable length at 1.5 mm ²
DSI-A/D	1...10 V	47 (≥47 ≤100) kΩ	1	1	1	50	100 m

¹⁾ Potentiometer with linear characteristics, optimum: 47 kOhm, possible range: 47 – 100 kOhm; power ≈0,5 W.



DSI-A/DS

Converter for 1...10 V into DSI signal 1-channel
for installation in switchgear cabinet

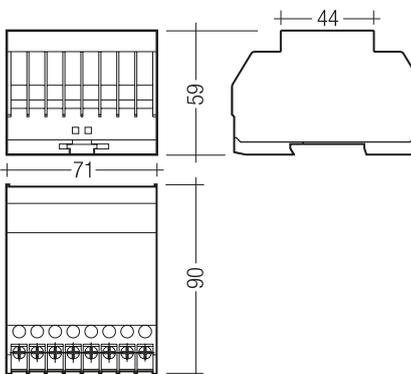
Product description

- Converter for converting analogue signals into DSI signals
 - For installation in switching cabinets
 - For connecting DSI devices in 1...10 V control systems
 - For a maximum of 100 DSI devices
 - On/off switching via separate switch input
 - 5-year guarantee
- For product data sheet go to www.tridonic.com,
or available on request



Technical data

Rated supply voltage	230 – 240 V
Mains frequency	50 / 60 Hz
Power	4 W
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20



For standards see data sheet

Product / function matrix, [page 814](#)

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton
DSI-A/DS	28000859	10 pc(s).

Specific technical data

Type	Inputs			Outputs		
	Dimming	Dimming, potentiometer (optional) ¹⁾	ON/OFF switch (220–240 V)	Digital control line DSI	Control output per physical output (devices)	Maximum DSI cable length at 1.5 mm ²
DSI-A/DS	1...10 V	47 (≥47 ≤100) kΩ	1	1	100	250 m

¹⁾ Potentiometer with linear characteristics, optimum: 47 kΩ, possible range: 47 – 100 kΩ; power ≥0.5 W.

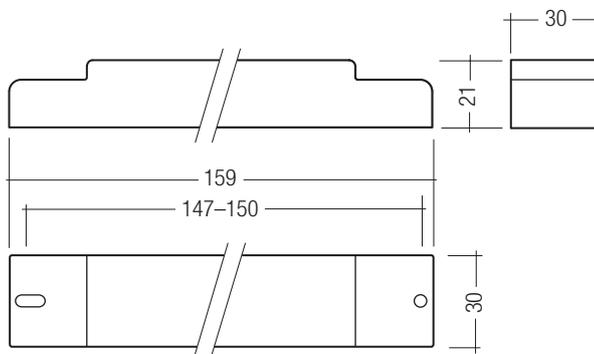


DSI-V/T

Control module for amplifying DSI signals or switch input

Product description

- Multi-functional DSI controller
 - For amplifying the DSI signal for a maximum of 50 DSI devices or for cascading long lines
 - Special function for tunnel applications
 - Function can be set via DIP switches
 - Input for manual dimming
 - Input for motion detector or momentary-action switch for scene recall
 - Different motion detector functions can be set
 - One scene can be set and recalled
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Power	1 W
Ambient temperature t_a	25 ... +60 °C
Type of protection	IP20



For standards see data sheet

Product / function matrix, [page 814](#)

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton
DSI-V/T	28000882	10 pc(s).

Specific technical data

Type	Inputs			Outputs		
	Dimming momentary-action switch	Presence sensor	DSI signal ¹⁾	Digital control line DSI	Control output per physical output (devices)	Maximum DSI cable length at 1.5 mm ² ²⁾
DSI-V/T	1-way / 2-way	1	1	1	50	250 m

¹⁾ One DSI-V/T corresponds to the DSI load of two DSI devices.
²⁾ Max. cable length in tunnel/security mode = 500 m (DSI-V function only).

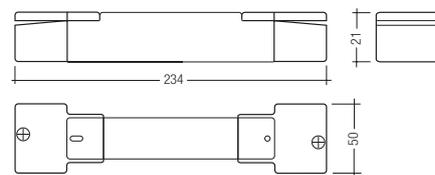


ACCES-SORIES

Strain-relief set

Product description

- 5-year guarantee



Ordering data

Type	Article number	Packaging carton
Strain-relief set	28000881	10 pc(s).

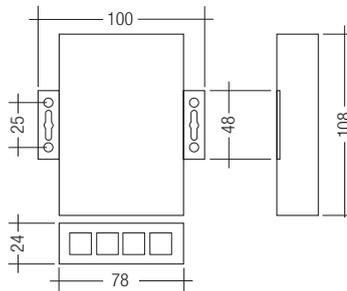


connecDIM Gateway G1

Ethernet TCP/IP to DALI

Product description

- Independent lighting control for up to 256 DALI gears on 4 DALI lines
 - Can be expanded by connecting multiple gateways on the same network
 - Cloud based web interface for configuration and monitoring
 - Simple setup via mobile App or Cloud service
 - Status LED for indicating the operating status
 - Connects to Tridonic DALI Interface RS232 PS/S (22176712)
 - Works with Tridonic DALI comfortDIM portfolio
 - Cross DALI line control with DALI XC, DALI touchPANEL and DALI MSensor
 - Freely programmable daily scheduling with calendar function
 - DALI emergency lighting unit test scheduling and monitoring via the connecDIM Cloud
 - Cloud based maintenance, e-mail alerts, predictive warnings and visual monitoring
 - Open JSON-RPC TCP control protocol for linking to building automation systems
 - 5-year guarantee
- For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage DC	9 – 48 V
Power consumption	3.6 W (300 mA @ 12 V DC)
DALI interface RS232 PS/S ports	4 x RJ45 serial ports
Ethernet port	1 x 10/100 Mbit/s
Input RS232	1
DALI output	1
Status indicators LED	Power, Ready, Ethernet, Serial Port
Operating temperature	0 ... +70 °C
Mounting	Tabs with screw terminals; DIN rail kit available
Housing material	Fanless metal casing
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
connecDIM Gateway G1	28000966	1 pc(s).	0.405 kg



For standards see data sheet

Wiring diagrams and installation examples see data sheet

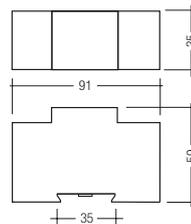


ACCES-
SORIES

DALI Interface RS232 PS/S

Product description

- Combines interface module and DALI power supply
- Integrated power supply with 240 mA for DALI devices or DALI control modules without power supply
- Interface module for connection of DALI systems with computer or programmable control systems
- For installation in switching cabinets
- 5-year guarantee



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI Interface RS232 PS/S	22176712	15 pc(s).	0.09 kg

ACCESSORIES

connecDIM RS232 cable

Product description

- Connection cable 1 m for connection of a DALI Interface RS232 PS/S (22176712) to the connecDIM Gateway G1
- RJ45 to RJ45



Ordering data

Type	Article number	Length	Packaging carton	Weight per pc.
connecDIM RS232 cable	28000968	1 m	1 pc(s).	0.06 kg

ACCESSORIES

connecDIM DIN-RAIL Mounting Kit

Product description

- DIN-RAIL Mounting Clips to mount the connecDIM Gateway G1 onto a 35 mm DIN-RAIL



Ordering data

Type	Article number	Packaging carton	Weight per pc.
connecDIM DIN-RAIL Mounting Kit	28000969	1 pc(s).	0.03 kg

ACCESSORIES

Mains adapter x-touchPANEL

Product description

- Power supply for the DALI x-touchPANEL and the DALI e-touchPANEL
- The mains adapter is rated at 36 V
- Max. 2 gateways can be connected



Ordering data

Type	Article number	Packaging, carton
Mains adapter x-touchPANEL	24166012	1 pc(s).



ready2mains Gateway 400VA

ready2mains

Product description

- Interface for transmitting digital control and dimming commands to ready2mains-compatible LED Drivers via the mains wiring
- Simple integration of sensors and pushbuttons thanks to one4all interface: DALI, DSI, switchDIM, corridorFUNCTION
- Total connected load: 400 VA max. (maximum of 15 LED Drivers)
- Short-circuit and overload shutdown with automatic restart, overtemperature protection
- Double terminals for through wiring
- Rapid installation of cable clamp and terminal cover, no tool required
- 5-year guarantee

Interfaces

- one4all (DALI DT 254, DSI, switchDIM, corridorFUNCTION)

→ For product data sheet go to www.tridonic.com,

or available on request

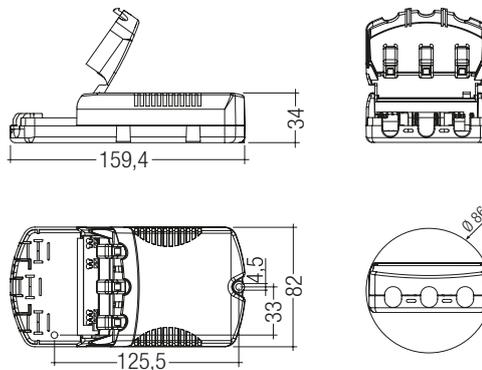
Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Max. input current (at 230 V, 50 Hz, full load)	1.74 A current consumption of DALI
Mains frequency	50 / 60 Hz
Connected load	0 – 400 VA
Power loss ¹⁾	0.75 W (1.35 W at full load)
Input, DALI/DSI control input and switchDIM	1
Current consumption of DALI	2 mA
Number of DALI addresses	1
Control range, DSI ²⁾	0 – 100 %
Control range, DALI ²⁾	0 – 100 %
Terminals	0.5 – 1.5 mm ²
Max. cable length secondary at 1.5 mm ² ³⁾	250 m
Ambient temperature t _a	0 ... +60 °C
Type of protection	IP20
Housing	Polycarbonate white RAL colour 9016

¹⁾ Connected luminaires are switched off from mains (no stand-by losses of the connected LED Drivers).

²⁾ Dimming range depends on the connected LED Drivers.

³⁾ The regional and national rules and guidelines must be observed.



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
ready2mains Gateway 400VA	28001248	10 pc(s).	0.22 kg



For standards see data sheet

Wiring diagrams and installation examples see data sheet



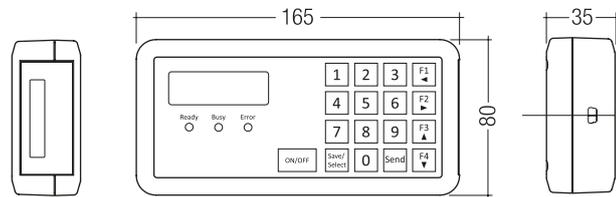
ready2mains Programmer

ready2mains

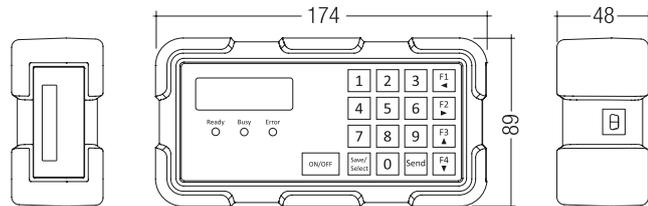
Product description

- Interface for programming of Tridonic products via ready2mains, DALI and U6Me2
- Support of configuration scripts
- Display and keypad for manual operation
- Removable protective cover
- USB interface for easy integration in automated test systems
- Parallel programming up to 5 LED Driver
- Current setting in 1-mA-steps
- Integrated DALI USB interface incl. intelligent 40 mA bus supply
- USB Mini-B cable 1 m included

→ For product data sheet go to www.tridonic.com, or available on request



ready2mains Programmer without protective cover



ready2mains Programmer with protective cover

Technical data

AC voltage range	110 – 277 V
Mains frequency	50 / 60 Hz
Max. load	400 VA
Max. mains current	3 A
Terminals	0.25 – 1.5 mm ²
Cable length secondary	≤ 5 m
Ambient temperature ta	-25 ... +40 °C
Type of protection	IP20
Protective cover	Blue, removable
Housing	Grey, ABS UL94V-0



For standards see data sheet

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
ready2mains Programmer	28001206	24 pc(s).	0.423 kg

TRIDONIC's environmental data sheets (EPD)

Tridonic – jointly with the Zumtobel Group's other brands – is the first company in the lighting industry to have introduced Environmental Product Declarations (EPD) in line with ISO 14025 and EN 15804.

By introducing these EPDs, Tridonic complies with designers' and building developers' growing need for transparency. EPDs are especially important when it comes to green building certification, since they provide easy and quick information about how much a luminaire adds to the greenhouse effect, which raw materials were used or how many percent of recycled material it contains.

The environmental impacts of a product are analysed early on in the development phase in order to reduce such impact over the product's entire life cycle.



EPDs are available for downloading at the bottom of the product pages on the Tridonic homepage.

TRIDONIC

28000704 LC 10W 150-400mA flexC SC EXC

Summary

Tridonic enables its customers around the world to develop energy-efficient and economic lighting applications and solutions. Through our lighting components, lighting management systems, connection technology and LED solutions we ensure the highest level of quality, competent advice and outstanding service.

This Environmental Product Declaration (EPD) is based on EN ISO 14025 and EN 15804 and describes the specific environmental impacts of the mentioned product. The declaration follows also the specified, concreting requirements of the verifying program holder Institut Bauen und Umwelt e.V. (IBU) with respect to the LCA calculation rules and the content of the (core-EPD) according to the underlying PCR-instructions (PCR: Product Category Rules) for Luminaires, lamps and components for luminaires (Ref: IBU-PCR Teil A und B).

The described product serves as declared unit. The declaration includes a product description, information on material composition, manufacturing, transport, use-stage, disposal and recycling, as well as results of the life cycle assessment. It is independently verified according to EN ISO 14025. EPDs of construction products are only comparable if figures are calculated according to the same PCR and suitable, mandatory use-stage scenarios.

LED Drivers

LC 10W 150-400mA flexC SC EXC

28000704

LCA results of selected parameters on basis of the chosen scenario

Assessment parameter	Unit	Product in Stage	Construction Process Stage	Use-stage	End-of-Life Stage	Benefits and loads beyond the system boundary
		A1-A3	A4, A5	B0	C0-C4	D
Acidification Potential (AP)	[mEq SO ₂ eq]	2,75E-03	2,20E-03	8,54E-01	7,35E-03	-8,75E-03
Eutrophication Potential (EP)	[mg PO ₄ ³⁻ eq]	1,76E-03	4,88E-06	6,59E-02	8,83E-06	-2,66E-04
Global Warming Potential (GWP100)	[kg CO ₂ eq]	4,42E+00	1,29E-02	2,42E+02	1,41E-01	-5,19E-01
Primary energy, renewable	[MJ]	5,98E+00	9,45E-03	1,92E+03	7,85E-02	-7,33E-01
Primary energy, non renewable	[MJ]	5,14E+01	1,21E-01	4,39E+03	3,08E-01	-6,68E+00

For a comprehensive description of the results please refer to chapter 4 Life Cycle Assessment Results.

Environmental Product Declaration
According to EN ISO 14025 and EN 15804

Declaration number: ECO-ZOR-28000704-Component-EU-2016-12-01
Date of issue: 2016-12-01

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EPDs are already available on the Tridonic website (download area at the bottom of the product pages, "EPD" tab). So far, EPDs of electronic ballasts of the PC and PCA ranges, as well as EPDs for parts of the LED Driver and LED modules portfolio have been made available on the product pages. Environmental product declarations for more LED products and other product areas are in preparation and will be gradually published.

Tridonic's first environmental data sheets went online in May 2013.

TRIDONIC guarantee conditions

Tridonic stands for high quality products and services. Guarantee for lighting components, management systems and LED-modules and -systems exceeds usual legal guarantee.

Tridonic offers a 5-year guarantee on all devices with a rated life of at least 50,000 hours of operation. A guarantee of 3 years is offered on devices with a rated life of less than 50,000 hours of operation.

Batteries are excluded from this guarantee.

1. Products

This guarantee applies to all electronic control gears supplied by Tridonic (electronic ballasts for fluorescent lamps, electronic ballasts for HID lamps, electronic transformers, ignitors, emergency units, converters for LED light sources and control units) as well as LED light sources.

2. Duration of the guarantee

The guarantee period for Tridonic products is 3, 5 or 8 years.

2a. Basic guarantee

For products with a physical rated life of 50,000 hours of operation or more, Tridonic offers a guarantee for a period of 5 years under the following conditions. To ensure that the product guarantee matches the guarantee offered by the luminaire manufacturer, the guarantee is extended by a further 6 months from the date of manufacture indicated on the product, up to a maximum of 66 months from the date of manufacture.



This applies to those products for which a rated life of $\geq 50,000$ hours of operation is indicated in the data sheets and for all LED light sources.

2b. Limited guarantee

For products with a physical rated life of less than 50,000 hours of operation, Tridonic offers a guarantee for a period of 3 years under the following conditions. To ensure that the product guarantee matches the guarantee offered by the luminaire manufacturer, the guarantee is extended by a further 6 months from the date of manufacture indicated on the product, up to a maximum of 42 months from the date of manufacture.



This applies to those products for which a rated life of $< 50,000$ hours of operation is indicated in the data sheets, e.g. PC TEC.

2c. Extended guarantee for special applications in industrial lighting

Tridonic provides an extended eight-year guarantee for selected LED components (LED light sources, LED Drivers) and ballasts designed for special industrial lighting applications. This guarantee period becomes possible because we assemble selected components and durable, robust materials in these solutions for industrial applications. We carry out extended tests, thereby providing valid data regarding service life and long-term robustness – a solid, reliable basis. The extended guarantee is noted in the respective data sheet.

2d. Summary

- 3 years guarantee for products with a life-time $< 50,000$ h
- 5 years guarantee for products with a life-time $> 50,000$ h
- 8 years guarantee: specified in data sheets

3. Guarantee conditions

The guarantee offered by Tridonic is valid under the following conditions:

- The products from Tridonic must be used in accordance with the relevant product and application specifications. Limit values for temperatures and voltages must not be exceeded and the product not exposed to any mechanical stresses.
- The guarantee for electronic operating devices applies only if the product is installed with lamps that comply with the relevant IEC specifications.
- The guarantee covers solely product failures caused by material, design or production faults and failure rates that exceed the rated failure rate. The rated life and rated failure rate of a device are considered to be the values defined in the technical documentation.

4. Execution of the guarantee

In the event of failures exceeding the nominal failure rate, Tridonic on its sole discretion might decide to repair defective components or products, supply adequate products as replacement or reimburse products to original customers. The customers or end customers bear the costs for demounting and remounting as well as for sending in and returning products. Any other costs, e.g. replacement costs upon installation, costs caused from failures of the installation or other damage and/or consequential damage are not covered by this guarantee.

The indicated life-time is achieved by operating lighting components according to the conditions specified by the manufacturers, to the relevant international standards and in accordance with local regulations. All electronic products having an expected failure rate require continuous monitoring, which must be documented in writing.

In view of the statistical failure rate of electronic products, installations with electronic operating devices and LED light sources require regular maintenance. The products must therefore be easy to access at all times. When installing the products, the requirements of easy maintenance must therefore be taken into consideration to keep maintenance costs down.

If simple replacement is not carried out in good time, the end customer must be informed of the additional costs that may arise in connection with standard maintenance. In designing and installing luminaires, it should be remembered that the controller, ballast and/or LED light source may have to be replaced before the luminaire comes to the end of its life.

4a. Additional Information for LED modules

The guarantee conditions relate exclusively to mortality beyond the nominal failure rate. In view of technical advances and the changes in the luminous flux of products depending on their usage there may be differences in the photometric properties between replacement or additional LED modules and the original products.

5. Utilisation of the Guarantee

The guarantee has to be claimed immediately by returning the defective product in order to check the validity of the claim.

6. Applicable Law

See the conditions supplied with the invoice.

TRIDONIC guarantee conditions for emergency batteries

Tridonic stands for high quality products and services. For all rechargeable emergency batteries Tridonic offers a 1-year guarantee.

1. Products

This guarantee applies to all rechargeable batteries supplied by Tridonic.

2. Duration of the guarantee

The guarantee period for Tridonic batteries is 1 year.

2a. Basic guarantee

For batteries with a physical rated life of ≥ 4 years of operation, Tridonic offers a guarantee for a period of 12 months after delivery, but at most 24 months from the date of manufacture indicated on the product under the following conditions.

3. Guarantee conditions

The guarantee offered by Tridonic is valid under the following conditions:

- The products from Tridonic must be used in accordance with the relevant product and application specifications. Limit values for temperatures and voltages must not be exceeded and the product not exposed to any mechanical stresses.
- The guarantee covers solely product failures caused by material, design or production faults and failure rates that exceed the rated failure rate. The rated life and rated temperature of a rechargeable battery is considered to be the values defined in the technical documentation.

4. Execution of the guarantee

In the event of failures, Tridonic on its sole discretion might decide to repair defective components or products, supply adequate products as replacement or reimburse products to original customers. The customers or end customers bear the costs for demounting and remounting as well as for sending in and returning products. Any other costs, e.g. replacement costs upon installation, costs caused from failures of the installation or other damage and/or consequential damage are not covered by this guarantee.

The indicated life-time is achieved by operating lighting components according to the conditions specified by the manufacturers, to the relevant international standards and in accordance with local regulations. All electronic products having an expected failure rate require continuous monitoring, which must be documented in writing.

In view of the statistical failure rate of electronic products, installations with rechargeable batteries require regular maintenance. The products must therefore be easy to access at all times. When installing the products, the requirements of easy maintenance must therefore be taken into consideration to keep maintenance costs down.

If simple replacement is not carried out in good time, the end customer must be informed of the additional costs that may arise in connection with standard maintenance. In designing and installing luminaries, it should be remembered that the rechargeable emergency batteries may have to be replaced before the luminaire comes to the end of its life.

5. Utilisation of the Guarantee

The guarantee has to be claimed immediately by returning the defective product in order to check the validity of the claim.

6. Applicable Law

See the conditions supplied with the invoice.

TRIDONIC sales organisation

Argentina

Tridonic Iberia, S.L.
Calle Carpinteros nº 8, 2a
Poligono Industrial Pinares Llanos
28670 Villaviciosa de Odón Madrid/Spain
Argentina
T: +34 916 162 095
F: +34 916 165 695
ventas@tridonic.com
www.tridonic.es

Australia

Tridonic Australia Pty Ltd
2/7 Millner Avenue,
Horsley Park, NSW 2175
Australia
T: +61 2 9832 6600
F: +61 2 9832 6688
infoau@tridonic.com
www.tridonic.com

Austria

Tridonic GmbH & Co KG
Head Office
Färbergasse 15
6851 Dornbirn
Österreich
T: +43 5572 395-0
F: +43 5572 20176
sales@tridonic.com
www.tridonic.com

Tridonic GmbH & Co KG
Vertrieb Österreich
Archenweg 58
6022 Innsbruck
Österreich
T: +43 512 3321-554
F: +43 512 3321-995554
vertrieb.austria@tridonic.com
www.tridonic.com

e-term Handels GmbH

Feldstrasse 11
6020 Innsbruck
Österreich
T: +43 (0) 59590
F: +43 (0) 59590-59
welcome@e-term.at
www.e-term.at

Bahrain

Tridonic Middle East (FZE)
P.O. Box 17972
Jebel Ali Free Zone
Dubai
United Arab Emirates
T: +971 4 8833664
F: +971 4 8833665
sales.middleeast@tridonic.com
www.tridonic.ae

Bosnia and Herzegovina

Tridonic Rep. Office Romania
Bosnia and Herzegovina
T: +40 725 333 988
caius.bogdan@tridonic.com
www.tridonic.com

Brazil

Tridonic Iberia, S.L.
Calle Carpinteros nº 8, 2a
Poligono Industrial Pinares Llanos
28670 Villaviciosa de Odón Madrid/Spain
Brazil
T: +34 916 162 095
F: +34 916 165 695
ventas@tridonic.com
www.tridonic.es

Bulgaria

ROS
Rossiza Dontscheva
Topolniza 1
1510 Sofia
Bulgaria
T: +359 2 943 42 32
F: +359 2 945 73 62
office@ros-bg.com
www.ros-bg.com

Chile

Tridonic Iberia, S.L.
Calle Carpinteros nº 8, 2a
Poligono Industrial Pinares Llanos
28670 Villaviciosa de Odón Madrid/Spain
Chile
T: +34 916 162 095
F: +34 916 165 695
ventas@tridonic.com
www.tridonic.es

China

Tridonic (Shanghai) Co., Ltd.
(Headquarters)
Room 602, Building B,
Zhongshan International Plaza,
No. 789 Tianshan Road
200335 Shanghai
China
T: +86 21 52400599
F: +86 21 52400230
china@tridonic.com
www.tridonic.com

Tridonic (Shanghai) Co., Ltd.
Beijing Branch
Room 1131, East Wing, North Hall
Junefield Plaza
No. 6 Xuanwumenwai Street
100052 Beijing
China
T: +86 10 65226163
F: +86 10 65227003
china@tridonic.com
www.tridonic.com

Tridonic (Shanghai) Co., Ltd.
Guangzhou Branch
Room 505, R&F Profit Plaza
76 Huangpu Xi Road, Tianhe District
510623 Guangzhou
China
T: +86 20 38392483
F: +86 20 38392482
china@tridonic.com
www.tridonic.com

Colombia

THL Ltda.
La Castellana Carrera 49 B #91-33
Colombia
T: +57 1 621 8550
ventas-thl@thl.com.co
www.thl.com.co

Croatia

ETT Lighting d.o.o.
Dobrna 7
3204 Dobrna
Slovenia
T: +386 3 7801070
F: +386 3 7801078
info@ett-lighting.com
www.ett-lighting.com

Cyprus

Nikolaos Kiourtsidis
Area Sales Manager
17564 Athens Greece
Cyprus
Tel: +30 6944 769 495
nikolaos.kiourtsidis@tridonic-hellas.gr

Czech Republic

SCHÄFER & SYKORA spol.s.r.o.
Cihlarska 1000/2
40801 Rumburk
Czech Republic
T: +420 412 354 931
F: +420 412 354 945
svetlo@sasa.cz
www.sasa.cz

Denmark

Wennerström Ljuskontroll AB
Grimsbygatan 30
211 20 Malmö, Sweden
Denmark
T: +46 (0) 8 5012 1283
info@wlk.eu
www.wlk.eu

Ecuador

Tridonic Iberia, S.L.
Calle Carpinteros nº 8, 2a
Poligono Industrial Pinares Llanos
28670 Villaviciosa de Odón Madrid/Spain
Ecuador
T: +34 916 162 095
F: +34 916 165 695
ventas@tridonic.com
www.tridonic.es

Egypt

Tridonic Middle East (FZE)
P.O. Box 17972
Jebel Ali Free Zone
Dubai
United Arab Emirates
T: +971 4 8833664
F: +971 4 8833665
sales.middleeast@tridonic.com
www.tridonic.ae

Estonia

Wennerström Ljuskontroll AB
WTC Tallinn 2nd floor, room 223
Parda 4
EE-10151 Tallinn
Estonia
T: +372 88 04 111
info@wlk.eu
www.wlk.eu

Finland

Wennerström Ljuskontroll AB
Jan Inghes Torg 34
120 71 Stockholm, Sweden
Finland
T: +358 9 6223 856
myynti@wlk.eu
www.wlk.eu

France

Tridonic France SARL
8 Rue de Bruxelles
ZI Krafft
67150 Erstein
France
T: +33 3 88 59 62 70
F: +33 3 88 59 62 75
info.france@tridonic.com
www.tridonic.fr

Germany

Tridonic Deutschland GmbH
Edisonallee 1
89231 Neu-Ulm
Deutschland
T: +49 731 176629-0
F: +49 731 176629-15
vertrieb.deutschland@tridonic.com
www.tridonic.de

Greece

Nikolaos Kiourtsidis
Area Sales Manager
16121 Athens
Greece
T: +30 6944 7694 95
nikolaos.kiourtsidis@tridonic-hellas.gr

Hong Kong

TridonicAtco Hong Kong Limited
Room 709-710, Tower 1, Silvercord
30 Canton Road, Tsim Sha Tsui
Hongkong
T: +852 3966 2714
F: +852 3966 2715
hongkong@tridonic.com
www.tridonic.com

Hungary

Tridonic Rep. Office Hungary
Hungary
T: +36 30 4299211
gergely.gyevitoth@tridonic.com
www.tridonic.com

Iceland

Wennerström Ljuskontroll AB
Jan Inghes Torg 34
120 71 Stockholm, Sweden
Iceland
T: +46 152 50 39 90
info@wlk.eu
www.wlk.eu

Indonesia

P.T. Sahabat Indonesia
JI Muara Karang Selatan Block A, Utara 1
Kawasan Industri Pergudangan
14440 Jakarta – Utara
Indonesia
T: +62 21 661 0651, 662 1780
F: +62 21 660 3700
sahabat@uninet.net.id
www.tridonic.com

Iran (Islamic Republic of)

Miran Noor Gostar
Unit No. 604 Shemiran Centre,
Artesh Boulevard, Tehran
Iran (Islamic Republic of)
T: +98 21 40220225
F: +98 21 40220255
Ali.Mirfakhraei@mirannoor.com
www.mirannoor.com

Iraq

DuLight FZE
P.O.Box 262685
RA07AD08 - LIU15 Jebel Ali Free Zone
Dubai – UAE
T: +971 4 8808115
F: +971 4 8808125
admin@dulights.com
www.dulights.com

New City Light L.L.C.
Shaorjah / Baghdad
Iraq
T: +964 1 8853178 / 8187462
T: +964 1 7901915018 / 7700003311
admin.iqr@dulights.com

Israel

Conel
Hayahalom Industrial Park
P.O. Box 172
Bareket 73185
Israel
T: +972 72 242 0222
F: +972 72 242 0220
info@conel.co.il
www.conel.co.il

Italy

Tridonic Italia srl
Viale della Navigazione
Interna, 115
35027 Noventa Padovana
Italy
T: +39 049 89 45 127
F: +39 049 87 04 715
vendite.italia@tridonic.com
servizio.tecnico@tridonic.com
www.tridonic.it

SICOM S.r.l.
Via Austria 15/A
35127 Padova
Italy
T: +39 049 8701470
F: +39 049 8700738
sicom@sicom-pd.it
www.sicom-pd.it

Jordan

Tridonic Middle East (FZE)
P.O. Box 17972
Jebel Ali Free Zone
Dubai
United Arab Emirates
T: +971 4 8833664
F: +971 4 8833665
sales.middleeast@tridonic.com
www.tridonic.ae

Korea (South) – Republic of

Mr. SJ Lee
#808 HanHwa BizMetro II
551-24 Yangcheon-ro
Gangseo-gu Seoul
Republic of Korea (South)
T: +82 (2) 2013 8051
T: +82 10 2230 2221

Kuwait

Tridonic Middle East (FZE)
P.O. Box 17972
Jebel Ali Free Zone
Dubai
United Arab Emirates
T: +971 4 8833664
F: +971 4 8833665
sales.middleeast@tridonic.com
www.tridonic.ae

Latvia

Wennerström Ljuskontroll AB
WTC Tallinn 2nd floor, room 223
Parda 4
EE-10151 Tallinn, Estonia
Latvia
T: +371 66 890 111
info@wlk.eu
www.wlk.eu

Lebanon

Tabet Engineering & Lighting Co.
P.O. Box 11-8402
1st Floor Asfar Bldg. Al Arz St. Saifi
70278 Beirut
Lebanon
T: +961 1 564445
F: +961 1 564647
info@tabet-engineering.com
www.tabet-engineering.com

Lithuania

Wennerström Ljuskontroll AB
WTC Tallinn 2nd floor, room 223
Parda 4
EE-10151 Tallinn, Estonia
Lithuania
T: +370 52 144 111
info@wlk.eu
www.wlk.eu

Malaysia

Tridonic S.E.A. Pte Ltd
10 Tannery Lane
#03-01
347773 Singapore
Malaysia
T: +65 62928148
F: +65 62933700
asean@tridonic.com
www.tridonic.com

Tridonic Malaysia Sdn Bhd
VO3-10-01 Designer Office,
Lingkaran SV,
Sunway Velocity, Cheras
55100 Kuala Lumpur
Malaysia
T: +60 3 2733 6484
F: +60 3 2733 6485
Balkish.Lokman@tridonic.com
www.tridonic.com

Mexico

SySEE, SA de CV
Avenida Gustavo Baz 181,
Hacienda de Echegaray
CP 53300 Naucalpan, Estado de México
Mexico
T: +52 55 5363 8238
contacto@sysee.com.mx
www.sysee.com.mx

Moldavia (Republic of) ElectroService
Bulgara, 9
2001 Chisinau
Republic of Moldavia
es@es.mldnet.com

Netherlands

Elpro b.v.
Pascalstraat 3-1
2811 El Reeuwijk
Netherlands
T: +31 182 533633
F: +31 182 570414
info@elpro.nl
www.elpro.nl

New Zealand

Tridonic New Zealand Ltd
Airport Oaks Mangere
PO Box 107044
9 Aintree Ave
New Zealand
T: +64 9256 2310
F: +64 9256 0109
sales@tridonic.co.nz
www.tridonic.com

Norway

Wennerström Ljuskontroll AB
Jan Inghes Torg 34
120 71 Stockholm, Sweden
Norway
T: +46 (0) 152 910 00
info@wlk.eu
www.wlk.eu

Oman

Tridonic Middle East (FZE)
P.O. Box 17972
Jebel Ali Free Zone
Dubai
United Arab Emirates
T: +971 4 8833664
F: +971 4 8833665
sales.middleeast@tridonic.com
www.tridonic.ae

Pakistan

Tridonic Middle East (FZE)
P.O. Box 17972
Jebel Ali Free Zone
Dubai
United Arab Emirates
T: +971 4 8833664
F: +971 4 8833665
sales.middleeast@tridonic.com
www.tridonic.ae

Peru

Ledux SAC
Av. Mariscal Nieto 144 Ofc. 201
San Luis, Lima
Peru
T: +51 1 4392000
gmartinez@ohmlux.com.pe
www.ohmlux.com.pe

Philippines

Fumaco Inc.
420, Ortigas Avenue Corner
Xavier Street
Greenhills, San Juan City
Philippines
T: +63 2 721 0326-66
F: +63 2 721 0361
sales@fumaco.com
www.fumaco.com

Poland

Tridonic Rep. Office Poland
Poland
T: +48 694 601 736
marek.michalski@tridonic.com
www.tridonic.pl

NARVA Polska Sp. z o.o.
ul. Szamocka 8
01-748 Warszawa
Poland
T: +48 22 257 60 40
F: +48 22 257 60 41
biuro@narva.com.pl
www.narva.com.pl

Portugal

Tridonic Iberia, S.L.
Portugal Office
Alameda da Empresa, 64 –
Candal Park – Fração AL-13
4400-133 Vila Nova de Gaia
Portugal
T: +351 938 448 467
paulo.moreira@tridonic.com
www.tridonic.com

Qatar

Tridonic Middle East (FZE)
P.O. Box 17972
Jebel Ali Free Zone
Dubai
United Arab Emirates
T: +971 4 8833664
F: +971 4 8833665
sales.middleeast@tridonic.com
www.tridonic.ae

Romania

Tridonic Rep. Office Romania
Romania
Tel: +40 725 333 988
caius.bogdan@tridonic.com
www.tridonic.com

Russian Federation

ZG Svet LLC
Nizhniy Susalnyi pereulok,
5/19, office 405
105064 Moscow
Russia
T: +7 (495) 981 3541 (Moscow)
T: +7 (495) 981 3540
(St. Petersburg)
Alexey.Smirnov@tridonic.com

Saudi Arabia

Tridonic Middle East (FZE)
P.O. Box 17972
Jebel Ali Free Zone
Dubai
United Arab Emirates
T: +971 4 8833664
F: +971 4 8833665
sales.middleeast@tridonic.com
www.tridonic.ae

Serbia

Tridonic Rep. Office Romania
Serbia
Tel: +40 725 333 988
caius.bogdan@tridonic.com
www.tridonic.com

Singapore

Tridonic S.E.A. Pte Ltd
10 Tannery Lane
#03-01
347773 Singapore
T: +65 6292 8148
F: +65 6293 3700
asean@tridonic.com
www.tridonic.com

Slovakia

SCHÄFER & SYKORA spol.s.r.o. Cihlarska
1000/2
40801 Rumburk
Czech Republic
T: +420 412 354 931
F: +420 412 354 945
svetlo@sasa.cz
www.sasa.cz

Slovenia

ETT Lighting d.o.o.
Dobrna 7
3204 Dobrna
Slovenia
T: +386 3 7801070
F: +386 3 7801078
info@ett-lighting.com
www.ett-lighting.com

South Africa

Tridonic SA (Pty) Ltd
Unit 7, Ground Floor,
Old Trafford Office Park
C/O Trichardt and Leiths Road Bartlett,
Boksburg 1459
Republic of South Africa
T: +27 11 894 3525
F: +27 86 459 6035
trevor.milne@tridonic.com
www.tridonic.com

Spain

Tridonic Iberia, S.L.
Oficina Central – Madrid
Calle Carpinteros nº 8, 2a
Poligono Industrial Pinares Llanos
28670 Villaviciosa de Odón (Madrid)
Spain
T: +34 916 162 095
F: +34 916 165 695
ventas@tridonic.com
www.tridonic.es

Tridonic Iberia, S.L.
Delegación – Barcelona
Calle Pau Vila nº 13-15, 3ª
Polígono IV del Plan Especial
de Ordenación San Mamet
08173 Sant Cugat del Valles
(Barcelona) Spain
T: +34 935 878 628
F: +34 935 903 297

Sri Lanka

GENERAL SALES Co., Ltd.
Senanayake Building,
No. 7, Station Road,
Sri Lanka
T: +94 1 574 511
F: +94 1 573 673
gescoms@mail.ewisl.net
www.tridonic.com

Sweden

Wennerström Ljuskontroll AB
Jan Inghes Torg 34
120 71 Stockholm
Sweden
T: +46 (0) 152 910 00
info@wlk.eu
www.wlk.eu

Switzerland

Tridonic AG
Obere Allmeind 2
8755 Ennenda
Schweiz
T: +41 55 6454747
F: +41 55 6454700
vertrieb.schweiz@tridonic.com
www.tridonic.ch

Syrian Arab Republic

Tridonic
Middle East (FZE)
P.O. Box 17972
Jebel Ali Free Zone
Dubai
United Arab Emirates
T: +971 4 8833664
F: +971 4 8833665
sales.middleeast@tridonic.com
www.tridonic.ae

Taiwan

BJB Electric Taiwan Corporation
 Tridonic Sole Agent Taiwan
 4/F, No. 108 Chow-Tze Street Nei-Hu District (114), Taipei city Taiwan
 T: +886 2 26277722
 F: +886 2 26271122
 sales-Taiwan@bjb.com
 www.tridonic.com

Thailand

Electronic Lighting Co. Ltd
 55/52 Moo 2, Soi Paris
 Kamphangphet, Lad-yao
 Thailand
 T: +66 2521 6091-5
 F: +66 2521 6096
 chalerm.b@elightingthailand.com
 www.facebook.com/elightingthailand

Turkey

Tridonic Aydınlatma Tic.Ltd. Şti.
 Kemankeş Mah., Necatibey cad.
 Akçe Sok., Akçe Han No: 10
 34420 Karaköy/Beyoğlu İSTANBUL
 Turkey
 T: +90 212 244 78 05
 F: +90 212 244 78 06
 satis@tridonic.com
 www.tridonic.com

United Arab Emirates

Tridonic Middle East (FZE)
 P.O. Box 17972
 Jebel Ali Free Zone
 Dubai
 United Arab Emirates
 T: +971 4 8833664
 F: +971 4 8833665
 sales.middleeast@tridonic.com
 www.tridonic.ae

United Kingdom

Tridonic UK Ltd
 Unit 7 Lindenwood
 Chineham Business Park
 Crockford Lane, Chineham
 RG24 8LB Basingstoke
 United Kingdom
 T: +44 1256 374300
 F: +44 1256 374200
 enquiries.uk@tridonic.com
 www.tridonic.com

United States

Tridonic Inc.
 3300 Route 9W
 Highland, NY 12528
 United States
 sales.us@tridonic.com
 www.tridonic.us

Uruguay

LYTE Iluminación Técnica Isla
 de Flores 1858 esq. Frugoni
 Montevideo
 Uruguay
 T: +598 2 4101632/34
 F: +598 2 4101632/34
 lyte@lyte.com.uy
 www.lyte.com.uy

Vietnam

Tridonic S.E.A. Pte Ltd
 No. 10 Tannery Lane
 #03-01
 347773 Singapore
 Vietnam
 T: +65 6292 8148
 F: +65 6293 3700
 asean@tridonic.com
 www.tridonic.com

Application icons

-  Decorative luminaires
-  Downlights
-  Emergency
-  Free-standing luminaires
-  High bay luminaires
-  Linear luminaires
-  Recessed floor & wallmounted luminaires
-  Spotlights
-  Street lanterns
-  Wide-area luminaires (in-built, remote, pendant)

Approval marks and symbols



Tridonic products comply with the requirements of 2004/108/EC, 2006/95/EC, 2009/125/EG and 2011/65/EU (RoHS), and are entitled to bear the CE mark. EC declarations of conformity can be requested via the internet at www.tridonic.com, menu "Technical data".



RoHS (Restriction of the use of certain Hazardous Substances in electrical and electronic equipment) summarises EU directive 2002/95/EC on the prohibition of certain substances in the manufacture and processing of electrical and electronic equipment and components.



The ENEC mark (European Norms Electrical Certification) is a European mark of conformity and confirms that the device on which the symbol is shown complies with all the requirements of the ENEC scheme. Test certificates can be requested via the Internet at www.tridonic.com, menu "Technical data".



National approval marks.



Protection class II device in which protection against electric shock is not based solely on the basic insulation but in which there are additional safety features such as double or enhanced insulation. It is independent of the protection measures of the fixed installation.



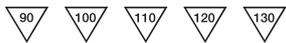
Reinforced insulation. The device is designed to be used in class II equipments and does not need any protection earth.



Mark for an independent gear.



The device is suitable for installing on or in furniture which is made from materials with unknown flammability properties.



Pictogram for temperature-protected devices. The temperature shown is the maximum surface temperature in the event of a fault at rated ambient temperature.



Safety Extra-Low-voltage



Type of protection (IP20 indoor, IP66 and IP67 outdoor)



Short-circuit-proof with safety insulation / Non-short-circuit-proof with safety insulation.



Short-circuit-proof without safety insulation.



ESD protection necessary.



DALI is an acronym and stands for "Digital Addressable Lighting Interface" set out in the technical standard IEC 62386 that guarantees the exchangeability of dimmable devices. Building on the long-established benefits of DALI, the DALI-2 certification program brings the promise of significantly improved interoperability and additional functionality compared with current DALI systems in the market.



The Control gear / LED Driver is suitable for the use in emergency lighting.



The emergency control gear / LED Driver has an inbuilt automatic test functionality complying with IEC 62034.



Eurasian Conformity: Mark of conformity for customs union (Russia, Kazakhstan, Belarus)



ready2mains for LED luminaire dimming and configuration via the mains.

The latest technical information including all the mechanical and electrical details can be downloaded at: www.tridonic.com, menu "Technical data", submenu "Data sheets"

Standards

EN 61347-1	IEC 61347-1	General and safety requirements for lamp control gear / LED Driver
EN 61347-2-11	IEC 61347-2-11	Particular requirements for electronic modules for luminaires
EN 61347-2-13	IEC 61347-2-13	Particular requirements for d.c. or a.c. supplied electronic LED Driver for LED modules
EN 62031	IEC 62031	Safety specifications for LED modules
EN 60598-1	IEC 60598-1	General requirements for luminaires
EN 60598-2-22	IEC 60598-2-22	Particular requirements in respect of luminaires for emergency lighting
EN 62493	IEC 62493	Assessment of lighting equipment related to human exposure to electro-magnetic fields
EN 62471	IEC 62471	Photobiological safety of lamps and lamp systems
EN 55015	CISPR 15	Radio disturbances
EN 61547	IEC 61547	EMC immunity requirements
EN 61000-3-2	IEC 61000-3-2	Harmonic current emissions
EN 61000-3-3	IEC 61000-3-3	Voltage fluctuations and flicker in low-voltage supply systems
EN 62384	IEC 62384	d.c. or a.c. supplied electronic LED Driver for LED modules – performance requirements
EN 62386	IEC 62386	Digital addressable lighting interface
EN 50172		Requirements for emergency escape lighting systems
acc. to VDE 0108 / EN 50172		Suitable for emergency lighting installations
EN 62034	IEC 62034	Automatic test system for battery-powered emergency escape lighting
EN 60068-2-64 Fh	IEC 60068-2-64 Fh	Environmental testing – test Fh: Vibration, broad-band random (digital control)
EN 60068-2-27 Ea	IEC 60068-2-27 Ea	Environmental testing – test Ea and guidance: Shock
EN 60068-2-30 Db	IEC 60068-2-30 Db	Basic environmental testing procedures – test Db: Damp heat, cyclic (12+12-hour cycle)

The light

Into a networked future with light.

Tridonic is paving the way for networking. We will show you how you can develop smart luminaires based on our intelligent technologies, and improve your business at the same time. Our 1,700 experts are working on five continents to set new standards in intelligent networked lighting and exploit the opportunities that the Internet of Things offers for the lighting industry. In addition to our component solutions we offer a new LED system platform which can take far beyond mere illumination. We are taking light into a networked future. Come with us on this journey.

Supporting information and instruments:



LED-Leaflet available at www.tridonic.com, "Services" menu



Data sheets available at www.tridonic.com, "Technical data" menu



Certificates at www.tridonic.com, "Technical data" menu



Latest product data at www.tridonic.com, "Products" menu (EN)



Headquarter

Tridonic GmbH & Co KG
Färbergasse 15 | 6851 Dornbirn, Austria
T +43 5572 395-0 | F +43 5572 20176
www.tridonic.com | sales@tridonic.com

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