

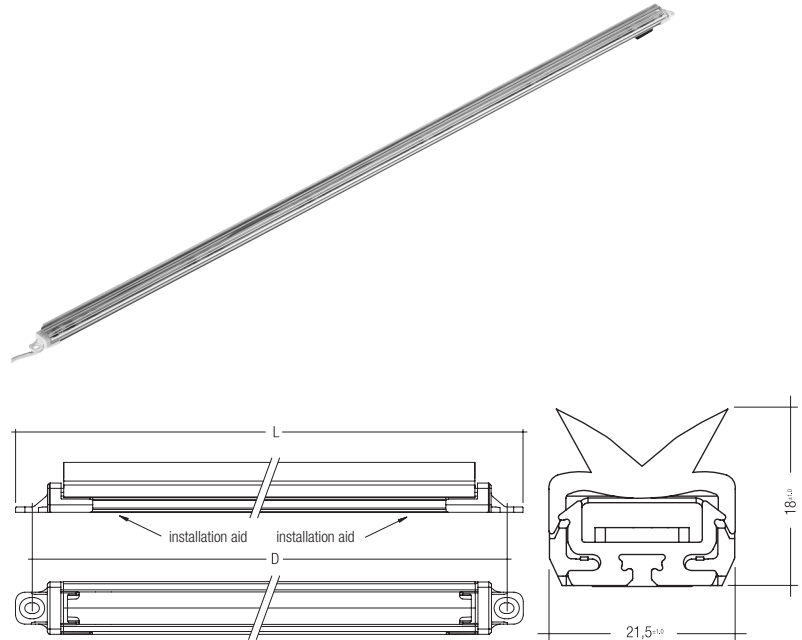
IP20 

TALEXengine FREEZE for integration
TALEXengine FREEZE

Easy Clip System

Product description

- Deepfreezers in the food industry
- Available in different lengths, wattages and light colours
- Complete solution with standard cable
- Connecting cable: H03VVH, white, length: 1 m
- Cross-section of connecting cable: 2 x 0.75 mm²
- High efficiency thanks to directional lighting, integrated heat removal and highly efficient LEDs
- Optimum product illumination thanks to a combination of COB LEDs and optics
- Extremely slim solution supports perfect integration in chiller cabinets
- Safety extra low voltage (SELV)
- Simple mounting with end cap and installation aid (double-sided adhesive tape)
- Cooling section made of anodised, extruded aluminium
- End caps made of PBT
- Linear lenses made of PMMA



Technical data

Supply current DC	700 mA
Ambient temperature t_a	-30 ... +20 °C
Max. surface temperature on profile t_c	65 °C
Type of protection	IP20
Protection class	III



Standards, page 3

Colour temperatures and tolerances, page 5

Ordering data

Position	Length L	Colour	Type	Article number
Centre/side	900 mm	daylight white	LED LE900 6P211-3 DL 700 mA – SE Z201	89600817
Centre	1,500 mm	daylight white	LED LE1500 10P211-3 DL 700 mA – SE Z201	89600792
Side	1,500 mm	daylight white	LED LE1500 6P211-3 DL 700 mA – SE Z201	89600793
Centre	1,700 mm	daylight white	LED LE1700 12P211-3 DL 700 mA – SE Z201	89600794
Side	1,700 mm	daylight white	LED LE1700 7P211-3 DL 700 mA – SE Z201	89600795
Centre/side	900 mm	neutral white	LED LE900 7P211-3 NW 700 mA – SE Z201	89600824
Centre	1,500 mm	neutral white	LED LE1500 12P211-3 NW 700 mA – SE Z201	89600818
Side	1,500 mm	neutral white	LED LE1500 7P211-3 NW 700 mA – SE Z201	89600819
Centre	1,700 mm	neutral white	LED LE1700 12P211-3 NW 700 mA – SE Z201	89600820
Side	1,700 mm	neutral white	LED LE1700 7P211-3 NW 700 mA – SE Z201	89600821

Packaging: 9 pieces/carton

Specific technical data

Type	Hole spacing D	Typ. luminous flux ^②	Colour rendering index CRI	Power ^③
LED LE900 6P211-3 DL 700 mA – SE Z201	888 mm	700 lm	75	14.7 W
LED LE1500 10P211-3 DL 700 mA – SE Z201	1,488 mm	1,160 lm	75	24.5 W
LED LE1500 6P211-3 DL 700 mA – SE Z201	1,488 mm	700 lm	75	14.7 W
LED LE1700 12P211-3 DL 700 mA – SE Z201	1,688 mm	1,400 lm	75	29.4 W
LED LE1700 7P211-3 DL 700 mA – SE Z201	1,688 mm	820 lm	75	17.2 W
LED LE900 7P211-3 NW 700 mA – SE Z201	888 mm	650 lm	80	17.2 W
LED LE1500 12P211-3 NW 700 mA – SE Z201	1,488 mm	1,120 lm	80	29.4 W
LED LE1500 7P211-3 NW 700 mA – SE Z201	1,488 mm	650 lm	80	17.2 W
LED LE1700 12P211-3 NW 700 mA – SE Z201	1,688 mm	1,120 lm	80	29.4 W
LED LE1700 7P211-3 NW 700 mA – SE Z201	1,688 mm	650 lm	80	17.2 W

^① Tolerance range for optical data: ±15 %.

^② Luminous flux at $t_a = -20$ °C ($t_{c,LED} 25$ °C).

^③ Tolerance range for electrical data: ±15 %.

Converters matrix – TALEXengine FREEZE for integration, constant current

		REMOTE LCI				
Type		LCI 015/0350 E020 120-240V	LCI 030/0700 E020 120-240V	LCCI 016/0350 B020 220-240V	LCAI 015/0350 A020 one4all 220-240V	LCAI 030/0700 A120 one4all 220-240V
Art. no.		24166312	24166314	86459210	86458899	86458900
Type	Art. no.	Assignable converters				
LED LE900 6P211-3 DL 700 mA – SE Z201	89600817		•	•	•	•
LED LE1500 10P211-3 DL 700 mA – SE Z201	89600792	•	•	•	•	•
LED LE1500 6P211-3 DL 700 mA – SE Z201	89600793		•	•	•	•
LED LE1700 12P211-3 DL 700 mA – SE Z201	89600794		◦	•		
LED LE1700 7P211-3 DL 700 mA – SE Z201	89600795	•	•	•	•	•
LED LE900 7P211-3 NW 700 mA – SE Z201	89600824	•	•	•	•	•
LED LE1500 12P211-3 NW 700 mA – SE Z201	89600818		◦	•		
LED LE1500 7P211-3 NW 700 mA – SE Z201	89600819	•	•	•	•	•
LED LE1700 12P211-3 NW 700 mA – SE Z201	89600820		◦	•		
LED LE1700 7P211-3 NW 700 mA – SE Z201	89600821	•	•	•	•	•

◦ = For suitable converters please contact Tridonic Customer Service.

Accessories matrix – TALEXaccessory MOUNT

Type		LED FIXING PLATE ECS 0°	LED FIXING PLATE ECS 15°	LED FIXING PLATE ECS 30°	LED FIXING PLATE ECS 45°	LED FIXING PLATE ECS 60°
Art. no.		88166859	88167372	88167373	88167374	88167375
Type	Art. no.	Assignable accessories				
LED LE900 6P211-3 DL 700 mA – SE Z201	89600817	•	•	•	•	•
LED LE1500 10P211-3 DL 700 mA – SE Z201	89600792	•	•	•	•	•
LED LE1500 6P211-3 DL 700 mA – SE Z201	89600793	•	•	•	•	•
LED LE1700 12P211-3 DL 700 mA – SE Z201	89600794	•	•	•	•	•
LED LE1700 7P211-3 DL 700 mA – SE Z201	89600795	•	•	•	•	•
LED LE900 7P211-3 NW 700 mA – SE Z201	89600824	•	•	•	•	•
LED LE1500 12P211-3 NW 700 mA – SE Z201	89600818	•	•	•	•	•
LED LE1500 7P211-3 NW 700 mA – SE Z201	89600819	•	•	•	•	•
LED LE1700 12P211-3 NW 700 mA – SE Z201	89600820	•	•	•	•	•
LED LE1700 7P211-3 NW 700 mA – SE Z201	89600821	•	•	•	•	•

Standards

- EN 60598-1
- EN 60598-2-1
- EN 62031
- EN 62471

The product meets the “independent LED module“ classification according to EN 62031.

Note



- There is no provision for chaining multiple TALEXengine FREEZE for Integration units
- The converter must be switched off before connecting the TALEXengine FREEZE for Integration. This can damage the TALEXengine FREEZE for Integration!

Electrical supply

TALEXengine FREEZE for Integration modules from Tridonic are not protected against overvoltages, overcurrents, overloads or short-circuit currents. Safe and reliable operation can only be guaranteed in conjunction with a converter which complies with the relevant standards. The use of TALEX converters from Tridonic in combination with TALEXengine FREEZE for Integration guarantees the necessary protection for safe and reliable operation.

If a converter other than Tridonic TALEXconverter is used, it must provide the following protection:

- Short-circuit protection
- Overload protection
- Overtemperature protection

TALEXengine FREEZE for Integration must be supplied by a constant current converter.

Operation with a constant voltage converter will lead to an irreversible damage.

The TALEXengine FREEZE for Integration is equipped with reverse voltage protection up to 50V.

Thermal behaviour

operation temperature (operation, no defects)	t_a	-30 → +20 °C
storage temperature	t_s	-30 → +60 °C
max. temperature cooling profile ① ②	$t_{profile}$	-30 → +65 °C

① The values apply to operation at 100% output, natural convection

② If the maximum temperature limits are exceeded, the life of the LED will be greatly reduced or the LED may be destroyed.

The t_c point temperature on the profile of TALEXengine FREEZE for Integration should be measured in the thermally stable state and under operating conditions by means of a temperature sensor or temperature-sensitive sticker (available for example from www.conrad.com, www.rs-components.com) as per EN60598-1. The backside of TALEXengine FREEZE for Integration can be used as the t_c point.

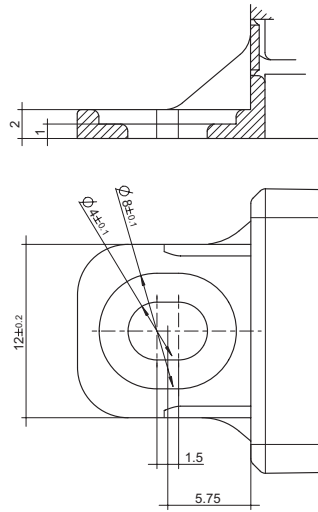
Wiring

Cable: H03VVH; cross-section 2x0.75 mm²; white; length: 1.0 m

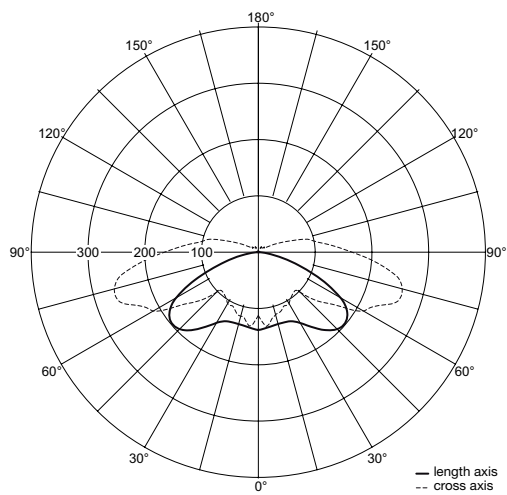
	Cord 1	Cord 2
Colour	Red	Black
Function	+	-

Installation of TALEXengine FREEZE for Integration

- Mount with end caps. Screws ST3.9 and ST3.5 (according to EN ISO 15481) can be used for the slot hole.
- Thermal conductive tapes on the back of the TALEXengine FREEZE for Integration can be used as a mounting aid
- The converter must be switched off before connecting the TALEXengine FREEZE for Integration. This can damage the TALEXengine FREEZE for Integration!



Luminous intensity distribution TALEXengine FREEZE for Integration



Coordinates and tolerances according to CIE 1964

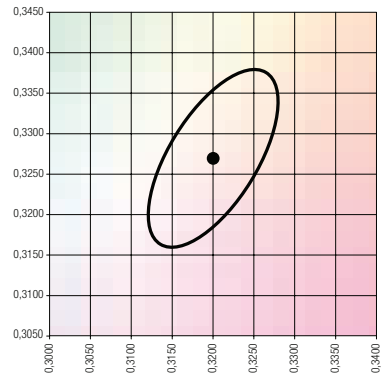
CIE coordinates:

6,500 K

	x0	y0
Centre	0.3200	0.3270

MacAdam ellipse: 5SDCM

Daylight white



CIE coordinates:

4,200 K

	x0	y0
Centre	0.3770	0.3660

MacAdam ellipse: 5SDCM

Neutral white

