

IP 20  

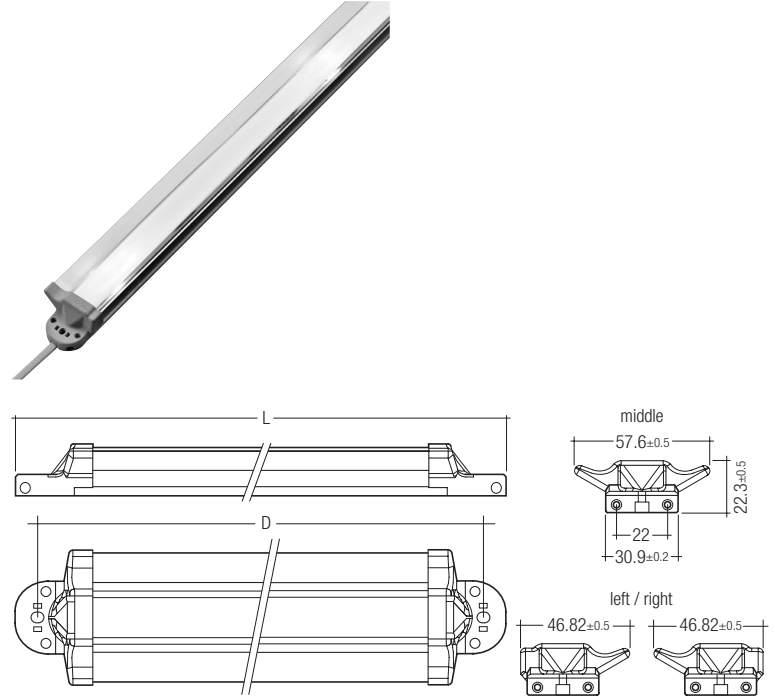
TALEXengine FREEZE door TALEXengine FREEZE

Product description

- Deepfreezers in the food industry
- Available in different lengths, wattages and CCT
- 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 lighting thanks to a combination of COB LEDs and optics
- 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 ... +30 °C
Max. surface temperature on profile	65 °C
Type of protection	IP20
Protection class	III



Ordering data

Position	Length L	Colour	Type	Article number
Centre	1,700 mm	Daylight white	LED LE1700 12P211-4 DL700mA-SE2 CO Z206C	89601132
Left	1,700 mm	Daylight white	LED LE1700 7P211-4 DL700mA-SE2 CO Z206L	89601133
Right	1,700 mm	Daylight white	LED LE1700 7P211-4 DL700mA-SE2 CO Z206R	89601134
Centre	1,500 mm	Daylight white	LED LE1500 10P211-4 DL700mA-SE2 CO Z206C	89601135
Left	1,500 mm	Daylight white	LED LE1500 6P211-4 DL700mA-SE2 CO Z206L	89601136
Right	1,500 mm	Daylight white	LED LE1500 6P211-4 DL700mA-SE2 CO Z206R	89601137
Centre	900 mm	Daylight white	LED LE900 6P211-4 DL700mA-SE2 CO Z206C	89601138
Left	900 mm	Daylight white	LED LE900 6P211-4 DL700mA-SE2 CO Z206L	89601139
Right	900 mm	Daylight white	LED LE900 6P211-4 DL700mA-SE2 CO Z206R	89601140
Centre	1,700 mm	Neutral white	LED LE1700 12P211-4 NW700mA-SE2 CO Z206C	89601174
Left	1,700 mm	Neutral white	LED LE1700 7P211-4 NW700mA-SE2 CO Z206L	89601175
Right	1,700 mm	Neutral white	LED LE1700 7P211-4 NW700mA-SE2 CO Z206R	89601176
Centre	1,500 mm	Neutral white	LED LE1500 12P211-4 NW700mA-SE2 CO Z206C	89601177
Left	1,500 mm	Neutral white	LED LE1500 7P211-4 NW700mA-SE2 CO Z206L	89601178
Right	1,500 mm	Neutral white	LED LE1500 7P211-4 NW700mA-SE2 CO Z206R	89601179
Centre	900 mm	Neutral white	LED LE900 7P211-4 NW700mA-SE2 CO Z206C	89601180
Left	900 mm	Neutral white	LED LE900 7P211-4 NW700mA-SE2 CO Z206L	89601181
Right	900 mm	Neutral white	LED LE900 7P211-4 NW700mA-SE2 CO Z206R	89601182

Packaging: 10 pieces/carton



Standards, page 2

Colour temperatures and tolerances, page 2

Specific technical data

Type	Hole spacing D	Typ. luminous flux ^②	Colour rendering index Ra	Typ. forward voltage	Typ. power ^③
LED LE1700 12P211-4 DL700mA-SE2 CO Z206C	1,680 mm	1,400 lm	75	42.0 V	29.4 W
LED LE1700 7P211-4 DL700mA-SE2 CO Z206L	1,680 mm	800 lm	75	24.5 V	17.2 W
LED LE1700 7P211-4 DL700mA-SE2 CO Z206R	1,680 mm	800 lm	75	24.5 V	17.2 W
LED LE1500 10P211-4 DL700mA-SE2 CO Z206C	1,480 mm	1,150 lm	75	35.0 V	24.5 W
LED LE1500 6P211-4 DL700mA-SE2 CO Z206L	1,480 mm	700 lm	75	21.0 V	14.7 W
LED LE1500 6P211-4 DL700mA-SE2 CO Z206R	1,480 mm	700 lm	75	21.0 V	14.7 W
LED LE900 6P211-4 DL700mA-SE2 CO Z206C	880 mm	700 lm	75	21.0 V	14.7 W
LED LE900 6P211-4 DL700mA-SE2 CO Z206L	880 mm	700 lm	75	21.0 V	14.7 W
LED LE900 6P211-4 DL700mA-SE2 CO Z206R	880 mm	700 lm	75	21.0 V	14.7 W
LED LE1700 12P211-4 NW700mA-SE2 CO Z206C	1,680 mm	1,100 lm	80	42.0 V	29.4 W
LED LE1700 7P211-4 NW700mA-SE2 CO Z206L	1,680 mm	700 lm	80	24.5 V	17.2 W
LED LE1700 7P211-4 NW700mA-SE2 CO Z206R	1,680 mm	700 lm	80	24.5 V	17.2 W
LED LE1500 12P211-4 NW700mA-SE2 CO Z206C	1,480 mm	1,100 lm	80	42.0 V	29.4 W
LED LE1500 7P211-4 NW700mA-SE2 CO Z206L	1,480 mm	700 lm	80	24.5 V	17.2 W
LED LE1500 7P211-4 NW700mA-SE2 CO Z206R	1,480 mm	700 lm	80	24.5 V	17.2 W
LED LE900 7P211-4 NW700mA-SE2 CO Z206C	880 mm	700 lm	80	24.5 V	17.2 W
LED LE900 7P211-4 NW700mA-SE2 CO Z206L	880 mm	700 lm	80	24.5 V	17.2 W
LED LE900 7P211-4 NW700mA-SE2 CO Z206R	880 mm	700 lm	80	24.5 V	17.2 W

① Tolerance range for optical data: ±15 %. ② Luminous flux at ta = -20 °C. ③ Tolerance range for electrical data: ±15 %.

Converter matrix – TALEXengine FREEZE door, constant current

Type	REMOTE LCI					
	LCI 015/0350 E020 120-240V	LCI 030/0700 E020 120-240V	LCBI 015/0350 B020 220-240V	LCBI 015/0700 B020 220-240V	LCAI 015/0350 A020 one4all 220-240V	LCAI 030/0700 A120 one4all 220-240V
Art. no.	24166312	24166314	86458898	86458897	86458899	86458900

Type	Art. no.	Assignable converter					
LED LE1700 12P211-4 DL700mA-SE2 CO Z206C	89601132		◦	•			
LED LE1700 7P211-4 DL700mA-SE2 CO Z206L	89601133	•	•	•		•	•
LED LE1700 7P211-4 DL700mA-SE2 CO Z206R	89601134	•	•	•		•	•
LED LE1500 10P211-4 DL700mA-SE2 CO Z206C	89601135	•	•	•		•	•
LED LE1500 6P211-4 DL700mA-SE2 CO Z206L	89601136	•	•	•		•	•
LED LE1500 6P211-4 DL700mA-SE2 CO Z206R	89601137			•	•	•	•
LED LE900 6P211-4 DL700mA-SE2 CO Z206C	89601138			•	•	•	•
LED LE900 6P211-4 DL700mA-SE2 CO Z206L	89601139			•	•	•	•
LED LE900 6P211-4 DL700mA-SE2 CO Z206R	89601140			•	•	•	•
LED LE1700 12P211-4 NW700mA-SE2 CO Z206C	89601174			•			
LED LE1700 7P211-4 NW700mA-SE2 CO Z206L	89601175	•	•	•		•	•
LED LE1700 7P211-4 NW700mA-SE2 CO Z206R	89601176	•	•	•		•	•
LED LE1500 10P211-4 NW700mA-SE2 CO Z206C	89601177	•	•	•		•	•
LED LE1500 6P211-4 NW700mA-SE2 CO Z206L	89601178			•	•	•	•
LED LE1500 6P211-4 NW700mA-SE2 CO Z206R	89601179			•	•	•	•
LED LE900 6P211-4 NW700mA-SE2 CO Z206C	89601180			•	•	•	•
LED LE900 6P211-4 NW700mA-SE2 CO Z206L	89601181			•	•	•	•
LED LE900 6P211-4 NW700mA-SE2 CO Z206R	89601182			•	•	•	•

◦ = For suitable converters please contact Tridonic Customer Service.

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 door units
- The converter must be switched off before connecting the TALEXengine FREEZE door. This can damage the TALEXengine FREEZE door!

Electrical supply

TALEXengine FREEZE door modules from Tridonic are not protected against over-voltages, 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 door 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 door must be supplied by a constant current converter. Operation with a constant voltage converter will lead to an irreversible damage. The TALEXengine FREEZE door is equipped with reverse voltage protection up to 50 V.

Thermal behaviour

operation temperature (operation, no defects)	t _a	-30 → +30 °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 door 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 door can be used as the t_c point.

Wiring

Cable: H03VVH; cross-section 2x0.75 mm²; white; length: 1.5 m

	Cord 1	Cord 2
Colour	Red	Black
Function	+	-

Lifetime

t _{c,LED} temperature in °C	Luminous flux in %	Lifetime in h
25	70	47,000
	80	29,000
45	70	45,000
	80	28,000
75	70	39,000
	80	24,000

Coordinates and tolerances according to CIE 1964

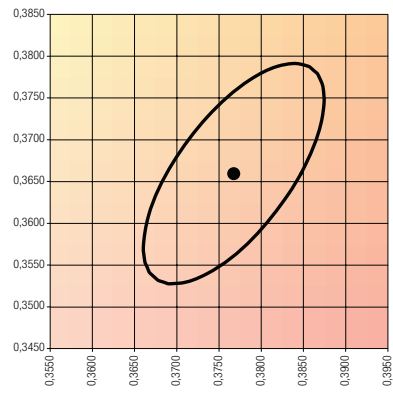
CIE coordinates:

Neutral white

	x0	y0
Centre	0,3770	0,3660

MacAdam ellipse: 5SDCM

Neutral white



CIE coordinates

6.500 K

	x0	y0
Centre	0,3200	0,3270

MacAdam ellipse: 5SDCM

Daylight white

