IP 20 RoHS

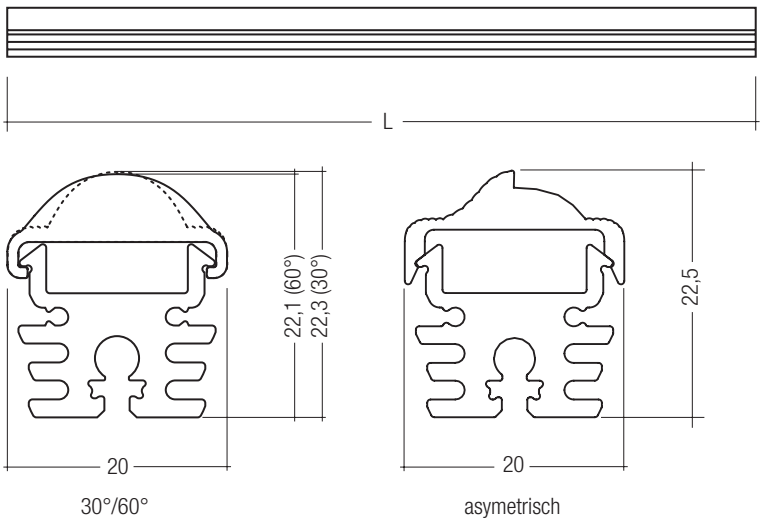
Easy Clip System

TALEXXengine COOL canopy only

TALEXXengine COOL

Product description

- Chiller cabinets in the food industry – canopy engine for multideck cabinets
- Available in different 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 installation with mounting bracket or mounting plate (optional)
- Cooling section made of anodised, extruded aluminium
- End caps made of aluminium
- Linear lenses made of PMMA



Technical data

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

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Standards, page 2

Colour temperatures and tolerances, page 4

Ordering data

Position®	Length L	Colour	Type	Article number
One engine is recommended for optimum display lighting				
Canopy	1,200 mm	Neutral white	**LE1200 12P211-3 NW 700 mA AS-CA Z22W**	**89601143**
Canopy	1,200 mm	Cool meat +	**LE1200 12P211-3 CM+ 700 mA AS-CA Z22W**	**89601144**
Canopy	1,200 mm	Gold	**LE1200 12P211-3 GOLD 700 mA AS-CA Z22W**	**89750230**
For optimal illumination of goods a combination of 30° and 60° version is recommended				
Canopy	1,200 mm	Neutral white	**LE1200 10P211-3 NW 700 mA - 30° Z22W**	**89600825**
Canopy	1,200 mm	Neutral white	**LE1200 10P211-3 NW 700 mA - 60° Z22W**	**89600947**
Canopy	1,200 mm	Cool meat	**LE1200 10P211-3 CM2 700 mA - 30° Z22W**	**89600826**
Canopy	1,200 mm	Cool meat	**LE1200 10P211-3 CM2 700 mA - 60° Z22W**	**89750212**

Packaging: 9 pieces/carton

Specific technical data

Type	Beam angle	Typ. luminous flux[1][2]	Forward voltage DC[3]	Colour rendering index CRI[1][4]	Power[5]
One engine is recommended for optimum display lighting					
LE1200 12P211-3 NW 700 mA AS-CA Z22W	asymetric	1.040 lm	36 – 48 V	76	30 W
LE1200 12P211-3 CM+ 700 mA AS-CA Z22W	asymetric	860 lm	36 – 48 V	80	30 W
LE1200 12P211-3 GOLD 700 mA AS-CA Z22W	asymetric	970 lm	36 – 48 V	> 90	30 W
For optimal illumination of goods a combination of 30° and 60° version is recommended					
LE1200 10P211-3 NW 700 mA - 30° Z22W	30°	870 lm	30 – 40 V	80	25 W
LE1200 10P211-3 NW 700 mA - 60° Z22W	60°	870 lm	30 – 40 V	80	25 W
LE1200 10P211-3 CM2 700 mA - 30° Z22W°	30°	830 lm	30 – 40 V	85	25 W
LE1200 10P211-3 CM2 700 mA - 60° Z22W	60°	830 lm	30 – 40 V	85	25 W

[1] Tolerance range for optical data: ±15 %.

[2] Luminous flux at Ta 0 °C.

[3] Exceeding the max. operating current leads to an overload on the TALEX(module. This may in turn result in a significant reduction in lifetime or even in destruction. Tolerance range for the supply voltage: +2 V / -0 V.

[4] Rff (Cool meat): special colour rendering index for illuminating meat and meat products to DIN 10504.

[5] Tolerance range for electrical data: ±15 %.

[6] For an optimal illumination of goods use both the 30° and the 60° version.

Converters matrix – TALEX(engine COOL canopy only, 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 LE1200 12P211-3 NW 700mA AS-CA Z22W	89601143		○	•		
LED LE1200 12P211-3 CM+ 700mA AS-CA Z22W	89601144		○	•		
LED LE1200 12P211-3 GOLD 700mA AS-CAZ22W	89750230		○	•		
LED LE1200 10P211-3 NW 700mA - 30° Z22W	89600825	•	•	•	•	•
LED LE1200 10P211-3 NW 700mA - 60° Z22W	89600947	•	•	•	•	•
LED LE1200 10P211-3 CM2 700mA - 30° Z22W	89600826	•	•	•	•	•
LED LE1200 10P211-3 CM2 700mA - 60° Z22W	89750212	•	•	•	•	•

○ = For suitable converters please contact Tridonic Customer Service.

Accessories matrix – TALEX(accessory 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°	Mounting bracket adjustable
	Art. no.	88166859	88167372	88167373	88167374	88167375	24166024
Type		Assignable accessories					
With end caps made of aluminium		•	•	•	•	•	•

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
- Reversing the polarity may damage TALEXXengine COOL
- There is no provision for chaining multiple TALEXXengine COOL units
- The converter must be switched off before connecting the TALEXXengine COOL. Otherwise the TALEXXengine COOL can be damaged.

Cable length
In view of the voltage drop along the cable, a voltage of at least 24 V must be applied to TALEXXengine COOL in order to achieve the rated luminous flux.

Choice of control gear/protection functions
The control gear protects the TALEXX modules against overvoltage, over-current, overloads and short-circuits. The control gear must comply with the relevant standards governing safe operation. The necessary level of protection is ensured by using TALEXX converters from Tridonic. If other control gear is used, it must provide the following protection:

- SELV
- Short-circuit protection
- Overload protection
- Overtemperature protection

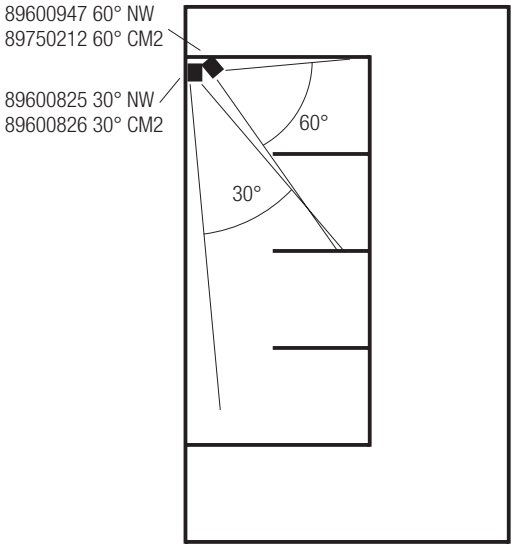
Thermal behaviour

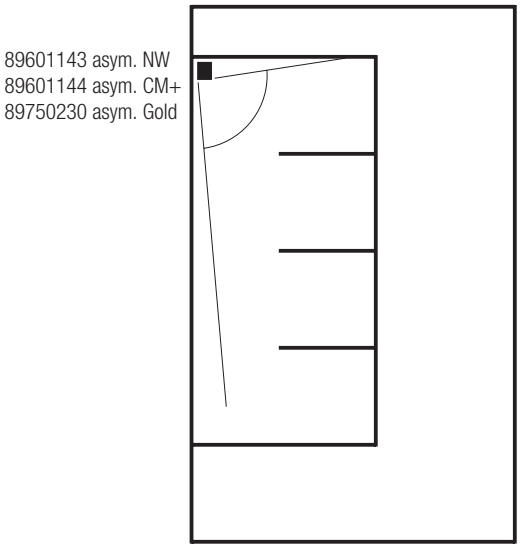
operation temperature (operation, no defects)	ta	-30 ... +30 °C
storage temperature	ts	-30 ... +60 °C
max. temperature cooling profile ①②	tc	-30 ... +65 °C

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

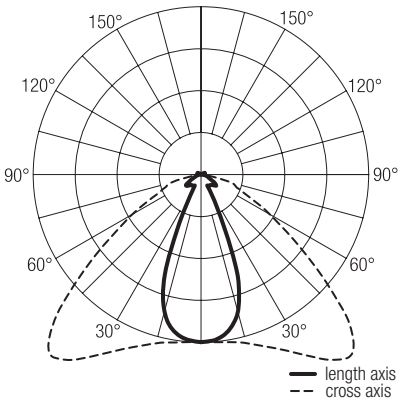
② If the maximum temperature limits are exceeded, the life of the module will be greatly reduced or the module may be destroyed. The tc point temperature on the profile of TALEXXengine COOL should be measured in the thermally stable state and under operating conditions by means of a temperature sensor or temperature-sensitive sticker (available for example from www.conrad.com, www.rs-components.com) as per EN60598-1. The entire profile can be used as the tc point.

In-built situation

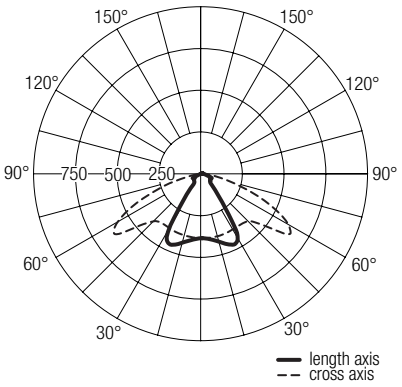




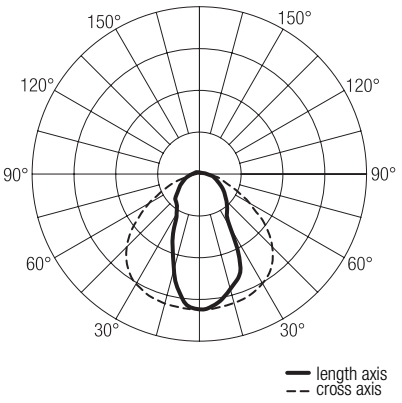
Light distribution 30°



Light distribution 60°



Light distribution – asymetric canopy lense



Coordinates and tolerances according to CIE 1964

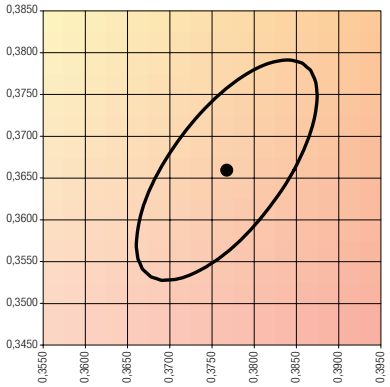
CIE coordinates:

Neutral white

	x0	y0
Centre	0.3770	0.3660

MacAdam ellipse: 5SDCM

Neutral white



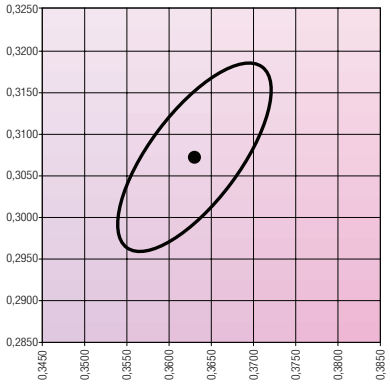
CIE coordinates:

Cool meat

	x0	y0
Centre	0.3630	0.3070

MacAdam ellipse: 5SDCM

Cool meat



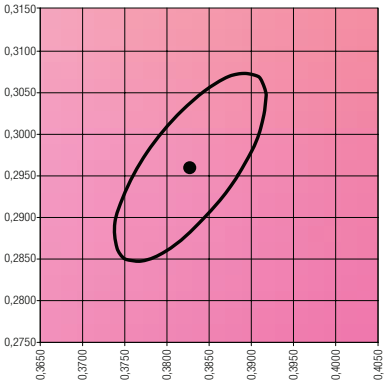
CIE coordinates:

Cool meat +

	x0	y0
Centre	0.3827	0.2960

MacAdam ellipse: 5SDCM

Cool meat +



CIE coordinates:

Gold

	x0	y0
Centre	0.4700	0.4160

MacAdam ellipse: 5SDCM

Gold