Explosion-protected LED light fitting

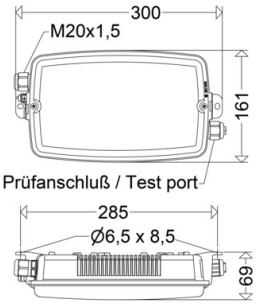
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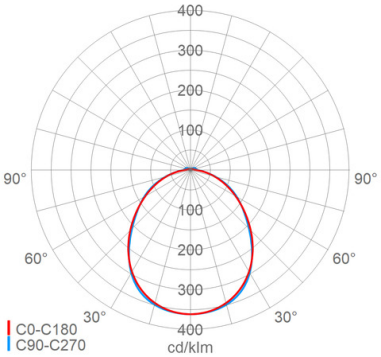
General product description

Compact explosion-protected LED escape sign light fitting for zone 2/22. Die-cast aluminium housing, opalescent white cover made of polycarbonate, screwed with the housing, with silicone gasket. LED modules and ECG incorporated in the housing. Pictograms not included (see accessories).



General product benefits

- Outstanding recognition of the escape sign due to excellent and homogenous illumination of the pictogram
- robust light fitting for rough environmental conditions
- perfectly suited for confined space conditions
- homogenous illumination due to frosted cover
- fast mounting due to outer fixing points
- sustainable, interchangeable components



Applications

- hazardous areas zone 2 (gas) and zone 22 (dust)
- general lighting of small rooms, above doors or information/escape route lighting (with pictrogram)
- light fitting is not suitable for use in areas with permanently high humiditiy and short operation time, e.g. sewage plants and rainwater retention basins

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Technical data

General

EAN/GTIN:	4041254344096

Explosion protection

EX-Zone:	2 , 22
EX-marking gas:	II 3 G Ex nR IIC T4 Gc
EX-marking dust:	II 3 D Ex tc IIIC T80°C Dc
Primary ignition protection method:	nR
Temperature class:	T4
Surface temperature:	T80°C

Key technical data

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source and control gear replaceable by qualified person
Connected load:	4 W
Luminaire luminous flux:	150 lm
Luminous efficacy:	38 lm/W
Colour temperature:	6500 K
Colour rendering (CRI):	≥ 70
Light colour:	765
Admissible ambient temperature T_a:	-20 °C to +60 °C
Control gear:	1 x ECG, Overload protection, Short circuit protection
Energy efficiency class:	C

Lighting technology

Light distribution:	wide beam
Photobiological safety:	RG0

Service life

Service life LED:	L70B10>50000 h (@ Ta max), L80>70000 h (@ Ta 25°C)

Electrical connection

Rated voltage:	220 - 240 V, 50/60 Hz
Terminal clamp:	Cage clamp, 3-polig, 0,75 - 2,5 mm²
Max. no. with circuit breaker B16:	27
CB B10/B13/B20:	18/22/34
CB C10/C13/C16/C20:	28/36/45/56
Cable entries:	M20 (1x), cable gland (1x), Plastic, 8 - 13 mm

Features/Certificates

Protection class:	I
IP rating:	IP65
IK rating:	IK10
Approval marks:	CE

Mounting

Mounting method (accessories possibly needed):	Ceiling, Wall
Operating position:	downwards radiation, forwards radiation, vertical, horizontal
Mounting:	2-point

Housing

Housing material:	Die-cast aluminium

Cover

Cover type / material:	Diffuser (PC)
Cover characteristic:	opal
Closure:	screwed (Stainless steel (1.4301))

Dimension/Weight

Length:	300.00 mm
Width / Diameter:	161.00 mm
Height:	69.00 mm
Net weight:	0.90 kg

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Optional accessories / spare parts

Item no.	Item name	Item description
12112 0100	PIK 220/110/32	Standard self-adhesive green/transparent emergency exit pictogram (pointing upwards) for marking escape routes in accordance with DIN EN ISO 7010 and ASR A1.3. Visibility distance: 22 m