Explosion-protected LED emergency light fitting

nD8611 L02/3 W

[Item no. : 86111 0011]
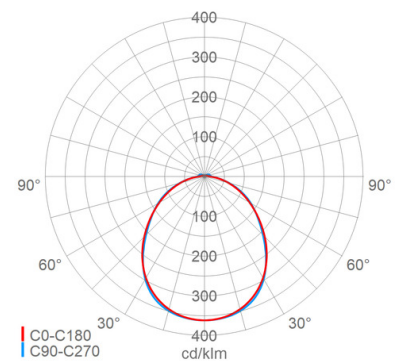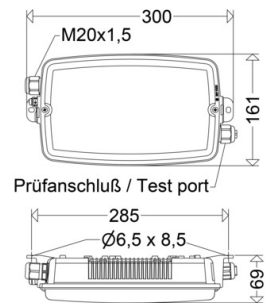
General product description

Compact explosion-protected LED emergency light fitting for zone 2/22. Die-cast aluminium housing, opalescent white cover made of polycarbonate, screwed with the housing, with silicone gasket. ECG with automatic monitoring according to EN 62034 and optical indication of the test results. Incorporated NiMh battery with trickle charging, that ensures readiness for operation at all times. Deep discharge protection according to EN 61347-2-7, recharging time: 24h according to EN 60598-2-22. Pictograms not included (see accessories). See „Technical data" for details.

General product benefits

- Security in case of emergency - instant light with maximum luminous flux, even at low ambient temperature
- constant luminous flux in emergency operation, regardless of the ambient temperature
- 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), 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, Emergency lighting

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Technical data

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

Emergency lighting

Emergency power supply:	self-contained (MA)
Operating mode:	Stand-by mode (BS), Maintained mode (DS)
Luminaire luminous flux emergency operation:	150 lm
Ballast lumen factor:	100 %
Monitoring:	Self test
Ambient temperature BS:	0 °C to +40 °C
Ambient temperature DS:	0 °C to +30 °C
For pictogram application:	Yes
Battery type:	NiCd
operating time:	3 h

Key technical data

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source and control gear replaceable by qualified person
Connected load:	5 W
Luminaire luminous flux:	150 lm
Luminous efficacy:	30 lm/W
Colour temperature:	6500 K
Colour rendering (CRI):	≥ 70
Light colour:	765
Admissible ambient temperature T_a:	-5 °C to +30 °C
Control gear:	1 x ECG

Lighting technology

Light distribution:	wide beam
Photobiological safety:	RG0

Service life

Service life LED:	L70>70000 h (@ Ta max), L80>70000 h (@ Ta 25°C)

Electrical connection

Rated voltage:	220 - 240 V, 50/60 Hz
Terminal clamp:	Cage clamp, 4-polig, 0.75 - 2.5 mm²
Max. no. (with CB B16):	130
CB B10/B13/B20:	82/106/163
CB C10/C13/C16/C20:	135/175/221/270

Electrical connection

Cable entries:	M20 (1x), cable gland (1x), Plastic, 8 - 13 mm

Housing

Housing material:	Die-cast aluminium

Cover

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

Mounting

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

Features/Certificates

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

Dimension/Weight

Length:	300.00 mm
Width/Diameter:	161.00 mm
Height:	69.00 mm
Net weight:	1.15 kg
EAN/GTIN:	4041254342450

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Optional accessories/spare parts

Item no.	Item name	Item description
36004 9002	ABD 3611 W	cover PC opalescent
12112 0101	PIK 220/110/33	self-adhesive pictogram, emergency exit left EKW 22m
12112 0102	PIK 220/110/34	self-adhesive pictogram, emergency exit right EKW 22m
12112 0103	PIK 220/110/35	self-adhesive pictogram, emergency exit down EKW 22m
90122 9001	2533 G	EAN/GTIN:4041254183978
90120 9008	2531 G	cable gland M20 for Ex-Zone 1/21 with locknut
90222 9026	AKKU NiMH 3,6V 2,2Ah Stab 8620	NiMH accu, 3.6 V 2.2 Ah, stick (pay attention to the correct part number)
90222 9027	AKKU NiMH 6V 2,2Ah Stab 8621	NiMH accu, 6.0 V 2.2 Ah, stick (pay attention to the correct part number)