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PRIMA LED Ex NM



... emergency and orientation.

USE

Non-maintained emergency luminaire for escape routes, available for use in high ambient temperature, t_a = 50 °C, is intended by its function and shape primarily for being in a set with Prima LED Ex light fittings.

The light fitting is suitable for the environment with a danger of explosion of gas, dust and combustible fumes. The light fittings meet the requirements of Government Decree 116/2016 Coll. and European Community Directive 2014/34/EU.

The basic requirements for safety and health protection are secured by the verification of conformity with the standards according to EN 60079-15, EN 60079-0 and EN 60079-31.

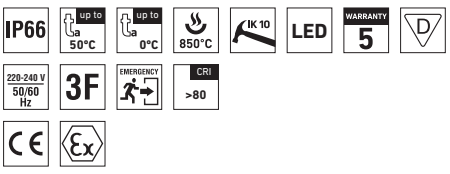
It is resistant to dust, moisture and spouting water. The body and the diffuser made of polycarbonate (PC) have increased resistance against deformation and impact.

Atmosphere emissions must be considered, as they may reduce the usability of plastics at installation in aggressive environment, see p. 367.

ADVANTAGES

- Light fitting protection **IP66**
- High thermal resistance ranging **from t_a = 0 °C to t_a = 50 °C** also for basic Ni-Cd battery type
- LED module lifetime: 50 000 hours / L80B20
- Luminous flux of the light fitting: **440 lm**
- Diffuser: translucent polycarbonate (PC) = high mechanical resistance
- Body: grey polycarbonate (PC) = high mechanical resistance
- Emergency module **1h or 3h**
- Integrated diode for indication of correct operation
- Low energy consumption in StandBy mode
- Certification: TÜV CY 22 ATEX 0206610 X Issue: 01

The light fitting is certified for the environment:
Ɛx II 3G Ex nR IIC T6 Gc
Ɛx II 3D Ex tc IIIC T70°C Dc

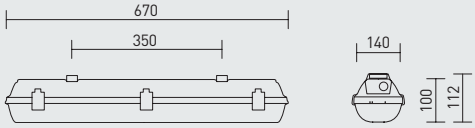


PRIMA LED Ex PCc

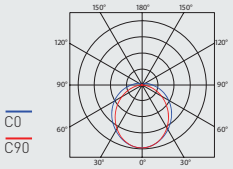


TECHNICAL DESCRIPTION

- Light fitting protection: **IP66**
- Maximum ambient temperature: **t_a = 50 °C**
- LED module lifetime: 50 000 hours / L80B20
- Luminous flux of the light fitting: **440 lm**
- **CRI > 80: 6500 K**
- MacAdam = 3 SDCM
- Diffuser: translucent PC (high mechanical resistance, UV stability)
- Body: grey PC (high mechanical resistance, UV stability)
- Reflector: white steel sheet (RAL 9003)
- Clips: stainless steel + polyamide
- Sealing: polyurethane (PUR), foam-filled body groove
- Light fitting connection: **cable gland M20x1,5 ATEX**
- Distance holder: polyamide + 10 % glass fibre
- Electric equipment: **EM kit including Ni-Cd battery without autotest, LED module**
- The package includes: stainless hooks and stainless brackets
- 1-year warranty for battery, 2-year warranty for EM kit (unit + LED module)
- The above stated values of power consumption and luminous flux are within a tolerance of ± 7,5 %
- Pictogram: optional accessory



PRIMA LED Ex 1.2ft PC



Type	Autonomy [hrs]	Luminous flux of light fitting [lm]	Power in emergency mode [W]	Battery type	Power in standby mode [W]	Charging time [hrs]	Power in charging mode [W]	Net weight [kg]
Non-maintained emergency luminaire without autotest								
PRIMA LED Ex 1.2ft PCc NM1h	1	440	7	Ni-Cd	1,5	24	2	1,6
PRIMA LED Ex 1.2ft PCc NM3h	3	440	7	Ni-Cd	1,5	24	2	1,8

PRIMA LED Ex PCc with cable glands

Non-maintained emergency luminaire without autotest - cable glands M20x1,5 ATEX - stainless clips (c)

Type	NM1h	3F NM1h	NM3h	3F NM3h
PRIMA LED Ex 1.2ft PCc ...	63848	x	63849	x

LEGEND

NM1h – non-maintained emergency luminaire, operation time 1 hour
3F NM1h – non-maintained emergency luminaire, operation time 1 hour, 5-wire throughwiring (3F)

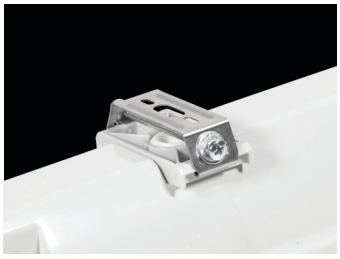
NM3h – non-maintained emergency luminaire, operation time 3 hours
3F NM3h – non-maintained emergency luminaire, operation time 3 hours, 5-wire throughwiring (3F)

Module signalling without autotest

LED colour	Information
● green	
flashing	battery charging
-	running test/emergency mode

LIGHT FITTING ATTACHMENT

a) Directly to a ceiling or a wall with the use of screws and stainless brackets
b) Suspension with the use of stainless hooks


LIGHT FITTING DETAILED VIEW

PRIMA LED Ex PCc