

# PRIMA Ex

NEW



... for explosion hazard environment, zone 2,22, group II, category 3

## USE

The light fitting is suitable for the environment with a danger of explosion of gases, dust and combustible fumes. The light fittings meet the requirements of Government Decree 23/2003 Coll. and European Community Directive No.94/9/EC.

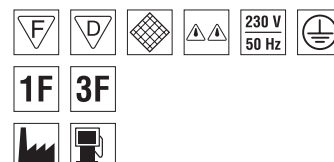
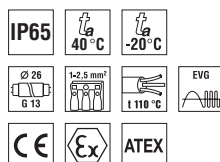
The light fitting is certified for the environment: Ex II 3G Ex nA IIC T6 Gc and Ex II 3D Ex tc IIIC T85 °C Dc, IP65. The basic requirements for safety and health protection are secured by the verification of conformity with the standards according to ČSN EN 60079-15, ČSN EN 60079-0 and ČSN EN 60079-31.

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

(It is necessary to consider exhalation in the air reducing the usability of the plastic at installations in an aggressive environment, see also page 245.)

## ADVANTAGES

- Light fitting protection **IP65**
- Maximum ambient temperature **t<sub>a</sub> = 40 °C**
- Diffuser: polycarbonate (PC) = high mechanical resistance
- Clips: stainless steel + polyamide
- Through-wiring of up to 10 wires at bodies
- Certification: Ex, CE, ATEX

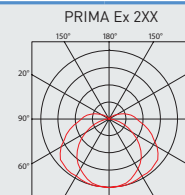
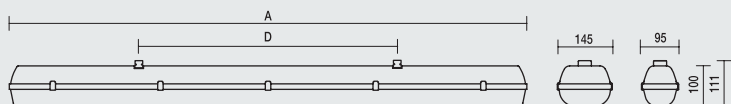


## PRIMA Ex



## TECHNICAL DESCRIPTION

- Diffuser: transparent polycarbonate (PC), UV stable, impact-resistant
- Body: grey polycarbonate (PC), UV stable, impact-resistant
- Reflector: steel sheet, white colour (RAL 9003)
- Clips: stainless steel + polyamide
- Cable glands: screwed PG 13.5 ATEX
- Terminal block: screwless, three-pole incl. earthing tape & screw for a perfect connection (basic version)
- Distance part: polyamide + 10 % glass fibre, serves to suspend the reflector during assembly
- Installation: package contains stainless hooks and stainless brackets
- Electric equipment: electronic ballast T8, halogen-free wires with higher temperature resistance up to 110 °C, shake resistant lampholders
- Light fitting protection: IP65
- Maximum ambient temperature:  $t_a = 40\text{ °C}$
- Minimum ambient temperature:  $t_a = -20\text{ °C}$



Code	Type	Light sources [W]	Luminous flux [lm]*	Light fitting efficiency [%]	Net weight [kg]	A [mm]	D [mm]
Diffuser made of transparent polycarbonate (PC) - electronic ballast - T8/G13							
39055	PRIMA Ex 236 PCc E	2x36	6700*	82	2,9	1272	700
39065	PRIMA Ex 258 PCc E	2x58	10400*	73	3,6	1572	940

\* - total luminous flux of the light fitting with T8/840 sources at the temperature of 25 °C

## PRIMA Ex PCc E

## Electronic ballast

Kód	Typ	1F	3F	M1h	M3h	3F M1h	3F M3h
39055	PRIMA Ex 236 PCc E	39056	39086	x	x	x	x
39065	PRIMA Ex 258 PCc E	39066	39096	x	x	x	x

Example of type marking: 39086 = PRIMA Ex 236 PCc **3F** E

## LEGEND

**1F** - 1 phase wiring cables for through-wiring

**3F** - 3 phase wiring cables for through-wiring

**M1h** - emergency back-up source with operating time of 1 hour (SA) for both permanent and emergency illumination

**M3h** - emergency back-up source with operating time of 3 hours (SA) for both permanent and emergency illumination

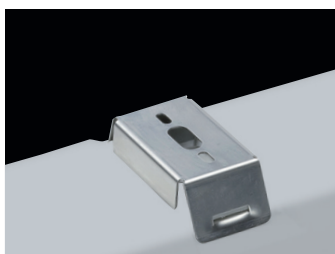
Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

## 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

c) Attachment with the use of side hangers to the wall



## LIGHT FITTING DETAILED VIEW

PRIMA Ex

