PRIMA Ex

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

USE

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 European Community Directive No.2014/34/EC.

The light fitting is certified for the environment:
Ɛx II 3G Ex ec IIC T4 Gc
Ɛx II 3D Ex tc IIIC T85°C Dc IP66

The basic requirements for safety and health protection are secured by the verification of conformity with the standards according to EN 60079-7, EN 60079-0, EN 60079-23, EN 60598-1 and EN 60598-2-1.

The light fitting is resistant to dust, moisture and spouting water. The body and the diffuser made of polycarbonate (PC) have the increased resistence 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 191.

ADVANTAGES

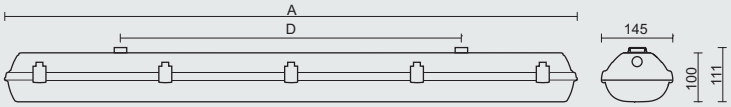
- Light fitting protection **IP66**
- Maximum ambient temperature **t_a = 40 °C**
- Diffuser: polycarbonate (PC) = high mechanical resistance
- Clips: stainless steel + polyamide
- Through-wiring of up to 10 wires at bodies
- Certification: **ATEX AR16ATEX024Xrev2**, EAC, CB

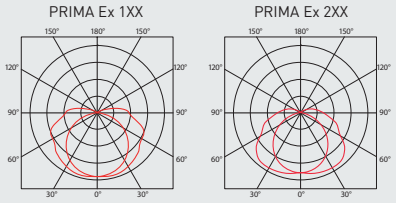
It is also available in a LED design.
More information is in the TREVOS catalogue of LED light fittings marked as PRIMA LED Ex.

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 + 15 % glass fibre
- 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
- Cable glands: screwed M20 × 1,5 ATEX
- Installation: package contains stainless hooks and stainless brackets
- Electric equipment: electronic ballast T8 DALI, halogen-free wires with higher temperature resistance up to 110 °C, shake resistant lampholders
- Light fitting protection: IP66
- Maximum ambient temperature: t_a = 40 °C
- Minimum ambient temperature: t_a = -20 °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						
39025	PRIMA Ex 136 PCc E	1x36	3350*	81	2,5	1272	700
39035	PRIMA Ex 158 PCc E	1x58	5200*	81	3,5	1572	940
39055	PRIMA Ex 236 PCc E	2x36	6700*	72	2,6	1272	700
39065	PRIMA Ex 258 PCc E	2x58	10400*	72	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

Code	Type	1F	3F	ER DALI	ER DALI 1F	ER DALI 3F
39025	PRIMA Ex 136 PCc E	39026	39085	39027	39028	39029
39035	PRIMA Ex 158 PCc E	39036	39095	39037	39038	39039
39055	PRIMA Ex 236 PCc E	39056	39086	39057	39058	39059
39065	PRIMA Ex 258 PCc E	39066	39096	39067	39068	39069

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

LEGEND

ER DALI – version with electronic digital dimmable ballast controlled by DALI protocol

1F – 1 phase wiring cables for through-wiring

3F – 3 phase wiring cables for through-wiring

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