

Atex

Designed for hazardous environments



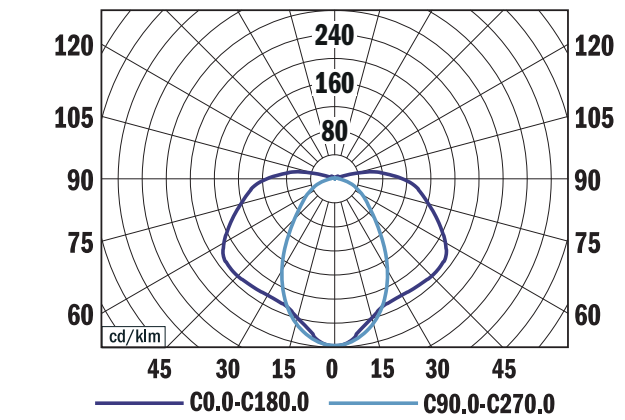
Product description

ATEX LED luminaires by OMS Lighting are built specifically for hazardous environments. They ensure safety in areas with potentially explosive atmospheres in Zone 2, 22 by adhering to strict ATEX regulations. These luminaires provide reliable illumination while minimizing the risk of ignition. These luminaires boast outstanding impact resistance (IK10) and offer high efficiency (up to 153lm/W). DALI dimming and emergency kit options allow a single luminaire to cover a wider range of needs. For additional safety, the internal diffuser prevents direct contact with the LED module during installation.

Technical features:

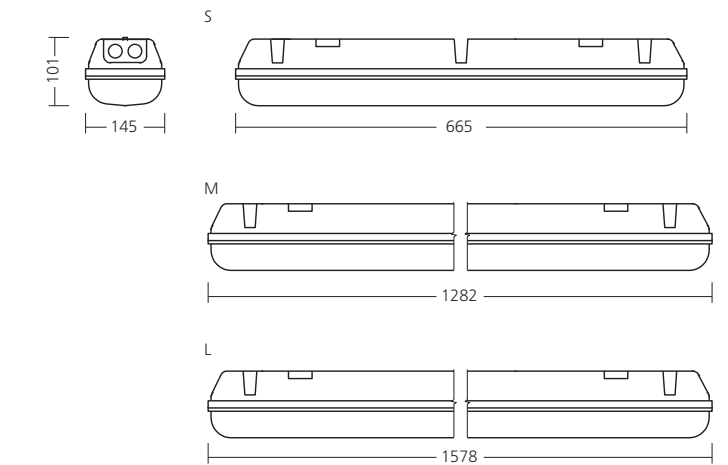
- Optical system: prismatic diffuser
- Housing: compressed fibreglass reinforced polyester (GRP) in yellow RAL 1003, on request grey RAL 7035
- Diffuser: injected polycarbonate transparent diffuser with UV protection
- Gasket: polyurethane
- Fixing clips: stainless steel
- Accesories: rope suspension, set with 2 suspension triangles, fixing clips in stainless steel, nickel Brass Ex cable gland M20 or M25
- Chromacity: 3-step MacAdam
- Colour rendering index: min. 80
- Colour temperature: 4000K, on request 3000K, 5000K or 6500K
- Electronic control gear: FIX (ECG), DALI (EDA), on request Emergency unit variant
- Service lifetime: 100,000 hours/L80/B50 (ta 35°C)
- Ambient temperature: Ta = -20°C...+50°C
- Degree of protection: IP66, IK10
- Dimensions: S 665 x 145 x 101 mm, M 1282 x 145 x 101 mm, L 1578 x 145 x 101 mm

Photometry

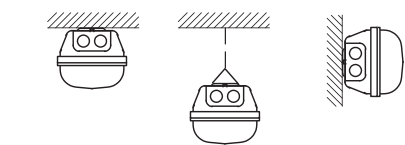


ATEX M, 4000 lm 4000 K
LOR = 100%
lower flux fraction 90%
upper flux fraction 10%
UGR < 28

Dimensions



Mounting



220-240V 50-60Hz	LED	CHROMATICITY 3 SDCM	CRI 80+ Ra
CCT 4000 K	ECG	EDA DALI	
IP 66	IK 10	Ex	

II 3G Ex ec IIC T6 Gc
II 3D Ex tc IIIC T85°C Dc

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE (K)	BEAM ANGLE	WEIGHT (kg)
ATEX S	2000	16	125	80+	4000	167°, 73°	1.8
ATEX M	4000	27	148	80+	4000	167°, 73°	3.0
ATEX M	6000	42	143	80+	4000	167°, 73°	3.0
ATEX L	6000	39	154	80+	4000	167°, 73°	3.7
ATEX L	8000	55	146	80+	4000	167°, 73°	3.7