# Futura Ex

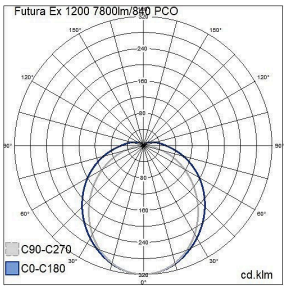
## 1200 IP66 IK10 7800lm/840 PCO



ATEX-luminaire

Suitable for spaces with an explosive atmosphere or high levels of dust, such as chemical industry production facilities. The structure of the luminaires meets the requirements set in the ATEX directive 2014/34/EU (Ex II 3G Ex nA IIC T6 Gc, Ex II 3D Ex Tc IIIC T85°C Dc). Extremely robust design.

Futura Ex ATEX-luminaire 60W 4000K 7810lm No dim; IP66; IK10; Protection cl. 1; LED not exchangeable; CRI>80; Through-wired; 5x2.5mm²; Housing Plastic; Colour gr; Cover Plastic, opal;




Stocked: Yes

| 1200 IP66 IK10 7800lm/840 PCO | | | |
|---|---|---|---|
| PRODUCT CODE | CODE | KG | PRODUCT FAMILY |
| 4338541 | 4338541 | 3.5 | Futura Ex |

# 1200 IP66 IK10 7800lm/840 PCO

EC001952 Explosion proof luminaire

| Mounting | |
|---|---|
| Mounting method | Wall-/ceiling mounting |
| Degree of protection (IP) | IP66 |
| Impact strength | IK10 |
| Type of wiring | Through-wired |
| Number of poles | 5 |
| Conductor cross section (mm²) | 2.5 mm² |
| Connection type | Screwless terminal |
| Connectable conductor cross section (min) (mm²) | 1.5 mm² |
| Connectable conductor cross section (max) (mm²) | 2.5 mm² |
| Max. number of luminaires per miniature circuit breaker B16 | 30 |
| Max. number of luminaires per miniature circuit breaker C16 | 51 |

| Structure | |
|---|---|
| Adjustable | No |
| Lamp type | LED not exchangeable |
| Light source included | Yes |
| Suitable for number of lamps | 1 |
| Lamp holder | Other |
| Housing material | Plastic |
| Cover material | Plastic, opal |
| Control gear included | No |
| Exchangeable control gear | Yes |
| Energy efficiency class of light source according to EU regulation 2019/2015 | Not required |
| Containing product according to 2019/2020/EU | Yes |
| For Ex-zone gas | 2 |
| For Ex-Zone dust | 22 |

| Electrotechnical data | |
|---|---|
| Voltage type | AC |
| Nominal voltage (min) (V) | 220 V |
| Nominal voltage (max) (V) | 240 V |
| Type of control gear | LED operating device current-controlled |
| Protection class according to IEC 61140 | I |
| Suitable for lamp power (min) (W) | 53 W |
| Suitable for lamp power (max) (W) | 53 W |
| Maximum system power (W) | 53 W |
| Luminaire efficacy (lm/W) | 147 lm/W |
| Power factor | 0.9 |

| Photometric data | |
|---|---|
| Light distributor | Diffuser lens/optic/panel |
| Beam angle | Open beam |
| Effective luminous flux (lm) | 7810 lm |
| Rated luminous flux according to IEC 62722-2- 1 (min) (lm) | 7810 lm |
| Rated luminous flux according to IEC 62722-2- 1 (max) (lm) | 7810 lm |
| Colour of light (alphanumeric) | White |
| Colour temperature (min) (K) | 4000 K |
| Colour temperature (max) (K) | 4000 K |

| Lifetime and capacity | |
|---|---|
| Rated life time L70/B50 at 25 °C (h) | 100000 h |
| Lumen maintenance at median useful life of 50,000 hrs at 25 °C ambient (tq) (%) | 85 % |
| Failure rate at median useful life of 50,000 hrs at 25 °C ambient (tq) (%) | 5 % |
| Rated ambient temperature acc. IEC62722-2-1 (min) (°C) | -20 °C |
| Rated ambient temperature acc. IEC62722-2-1 (max) (°C) | 55 °C |

| Dimming and control | |
|---|---|
| Constant luminous flux control | No |
| With movement sensor | No |
| With presence indicator | No |
| With light sensor | No |

| Measurements | |
|---|---|
| Width (mm) | 145 mm |
| Height/depth (mm) | 111 mm |
| Length (mm) | 1272 mm |