

IP66/IP67

ZONE 2/21



Description

K is a compact industrial and emergency luminaire designed for explosion hazardous environments for ATEX zone 2/21. The body is made of robust polycarbonate (RAL 7035) and is UV stable, ensuring long term durability. The housing is made of opal polycarbonate, which provides effective light diffusion and high impact resistance. The luminaire is available in different chromaticity temperatures to adapt to different environments. The luminaire can be equipped with a dimming function on request. The emergency version is equipped with a magnetic switch that allows control of the emergency function without opening the luminaire. Designed to be mounted and hinged.

ADVANTAGES:

- European product
- ATEX/IECEx certification – zone 2/21
- Compact size
- Robust IK08 body
- High water and dust resistance IP66/IP67
- Emergency mode function control without opening the luminaire
- UV resistance
- High specific output up to 167 lm/W
- DALI2 control
- Wide temperature resistance from -30 °C to +60 °C

Specifications

Operating voltage:

220-240 V / 50/60 Hz AC, 220-240 V DC

Source:

LED, 4000K, CRI +80, MacAdam3

Housing:

Plastic material PC (polycarbonate), colour grey RAL 7035

Cover:

PC (polycarbonate) opal

Fastening:

Direct fixing to the ceiling or wall of the illuminated space by means of two self-locking fixing pens (standard equipment), self-locking cable suspension on two fixing pens, cable suspension by means of suspension lugs.

Connection:

Screwless three-pole terminal block, max. wire cross-section 2.5 mm²

Standard equipment:


1x Ex plastic cable gland M20 for cable diameter 7-13 mm incl. gasket, 2x Ex plastic cable plug M20 incl. gasket, 2x gripping pen (AISI304)

Calculated lifetime – LED modules:

L80B50 Ta 50 – 110 000 h

L90B50 Ta 25 – 110 000 h

EX2/21 ATEX – zone 2/21 (FTZÚ 25 ATEX 0018X)

 II 3G Ex nR IIC T6 Gc

 II 2D Ex tb IIIC T85°C Db

EX2/21 IECEx – Zone 2/21 (IECEx FTZÚ 25.0013X)

Ex nR IIC T6 Gc

Ex tb IIIC T85°C Db

On request:

3000K/4000K/5000K/6500K – chromaticity temperature

Variants

Luminous flux (lm)	Luminous flux in an emergency mode (lm)	Specific power luminaires	Power input (W)	Ta (°C)	Tc (K)	Dimensions A x B x C (mm)
1086	–	155 lm/W	7	-30°C ≤ Ta ≤ 60°C	4000	395 x 195 x 122
1640	–	164 lm/W	10	-30°C ≤ Ta ≤ 55°C	4000	395 x 195 x 122
2148	–	165 lm/W	13	-30°C ≤ Ta ≤ 55°C	4000	395 x 195 x 122
2674	–	167 lm/W	16	-30°C ≤ Ta ≤ 50°C	4000	395 x 195 x 122
3189	–	159 lm/W	20	-30°C ≤ Ta ≤ 50°C	4000	395 x 195 x 122
3663	–	159 lm/W	23	-30°C ≤ Ta ≤ 45°C	4000	395 x 195 x 122
1086	372	155 lm/W	7	0°C ≤ Ta ≤ 40°C	4000	395 x 195 x 122
1640	394	164 lm/W	10	0°C ≤ Ta ≤ 40°C	4000	395 x 195 x 122
2148	397	165 lm/W	13	0°C ≤ Ta ≤ 40°C	4000	395 x 195 x 122
2674	401	167 lm/W	16	0°C ≤ Ta ≤ 30°C	4000	395 x 195 x 122
3189	383	159 lm/W	20	0°C ≤ Ta ≤ 30°C	4000	395 x 195 x 122
3663	382	159 lm/W	23	0°C ≤ Ta ≤ 30°C	4000	395 x 195 x 122
438	420	175 lm/W	2,5	0°C ≤ Ta ≤ 45°C	4000	395 x 195 x 122
438	438	175 lm/W	2,5	0°C ≤ Ta ≤ 45°C	4000	395 x 195 x 122
438	438	175 lm/W	2,5	0°C ≤ Ta ≤ 45°C	4000	395 x 195 x 122
–	–	–	–	-30°C ≤ Ta ≤ 60°C	4000	395 x 195 x 122

Luminous flux and luminaire power tolerance ±10%