

Description

Cylindrical luminaire, which is to be installed in a recess hole, but the luminaire is surface mounted. The luminaire consists of 3 main parts: the LED housing, the stick which allows the luminaire to be oriented and a ceiling plate.

The LED housing is made out of diecasted aluminium. An aluminium heatsink is mounted inside the LED housing on which the COB LED is screwed. On top of the LED, an aluminium reflector determines the beam angle and light output. The reflector is held in place by an aluminium frontring that clicks with two springs in the LED housing.

The aluminium stick is the connection between the LED housing and the ceiling plate. Inside the stick, the secondary LED wiring runs to the ceiling plate. The LED housing rotates 360° around the connection rod.

The ceiling plate (powder painted steel) holds on top two leaf springs, which keep the luminaire in the ceiling recess. The connection stick can be rotated 360° on the ceiling plate.

The luminaire doesn't contain a LED driver, so has to be combined with an appropriate constant current driver of 350mA (minimum 11W) or 500mA (minimum 16.2W).

No visible screws or wires after installation.

Materials

- Aluminium housing finished with a scratch resistant fine textured powder coating in white or matt black
- Aluminium stick finished with a scratch resistant fine textured powder coating in white or matt black
- Steel ceiling plate finished with a scratch resistant fine textured powder coating in white or matt black
- Aluminium heatsink finished in black anodization
- Aluminium frontring finished with a scratch resistant fine textured powder coating in white or matt black
- Leaf springs in stainless steel
- Reflector in high gloss aluminium, faceted, available in medium (25°) and flood (40°)

Technical characteristics

- Dimensions: $\varnothing 70$ mm, H 168mm (LED housing), H 184mm (total), H 28mm (build in)
- COB LED
- Colour temperature: 2700K, 3000K or warm dim (1800K-3000K)
- CRI 90+
- 3SDCM
- Luminaire output: 920lm (for 3000K, medium reflector, at 350mA)
- Luminaire efficiency: 88%
- Luminaire power consumption: 13W (driver included), 70.8lm/W
- UGR 16
- Driver excluded
- To be connected to 350mA (minimum 11W) or 500mA (minimum 16.2W) constant current driver
- Warranty period: 5 years on LED
- Class 3
- Only for indoor use

Installation

- Recess hole $\varnothing 65$ mm, necessary height 70mm.
- Electrical connection to the driver with two splicing connectors 0.2-4mm², included in the product

Accessories

- Conbox and gypkit for installation in concrete and plastered ceilings

Standards and directives:

- 2006/95/EC - Low Voltage Directive
- 2004/108/EC - EMC Directive
- 2011/65/EU - RoHS Directive
- 2009/125/EC - ECODESIGN Directive
- 245/2009/EC + 347/2010/EU - ECODESIGN Directive
- 1194/2012/EU - ECODESIGN Regulation
- EN 60598-1:2008 +A11:2009 - Luminaires. General requirements and tests
- EN 62471:2008 - Photobiological safety of LED lamps and lamp systems
- EN 62493: 2010 - Assessment of lighting equipment related to human exposure to electromagnetic fields
- EN 60598-2-2:2012 - Recessed luminaires
- EN 55015:2006 +A1:2007 +A2:2009 - Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
- EN 61000-3-2:2006 +A1,A2:2009 - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
- EN 61000-3-3:2013 - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
- EN 61547:2009 - EMC Immunity Requirements
- EN 50581:2012 - Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

