

Description

Directional (0-25°) round recessed luminaire with COB LED technology, an aluminium reflector as optical system and low recess depth (55mm).

The adjustability is obtained by an inner ring rotating in an outer ring (360°). At the same time the inner ring is tiltable relative to the outer ring from 0° to 25°.

Materials

- Aluminium front ring finished in fine-textured scratch-resistant powder coating in matt white or matt black
- Aluminium heatsink, bionic shaped for optimal heat dissipation
- High-gloss aluminium reflectors
- Stainless steel leaf springs
- POM rotation ring

Technical characteristics

- Dimensions: 82 mm (ø) x 52 mm (H)
- Reflectors: medium (25°), flood (40°)
- COB high-power LED
- Colour temperature: 2700K, 3000K or 4000K (3500K available on request). Also available in warm dim (1800K-3000K).
- CRI 90+
- 3 SDCM
- Luminaire output: 717lm (for 3000 K medium, Lotus shape @500mA)
- Luminaire efficiency: 95%
- Power consumption: 9.2W per LED unit (@500mA)
- UGR22 (for 3000 K medium, Lotus shape @500mA)
- For connection to an electronic constant current LED driver: choose from driver matrix
- Warranty period: 5 years on LED lamps, 2 years on drivers
- Class 3
- Indoor use (IP20)

Installation

- Recessed mounting in ceiling or wall. Recess dimensions: ø76 mm, H 100 mm. Fixation by means of leaf springs. Unit must not be covered with insulation.
- Electrical connection: connection to LED driver via two splicing connectors (included with product)

Accessories

- Recessed ring for trimless installation in plasterboard and wood
- Metal box for installation in concrete, combined with rectangular plasterkit (gypkit)
- Metal tube to insert luminaire (finished in fine-textured scratch-resistant powder coating in matt white or matt black) and make it a surface (or suspended) luminaire
- Metal square or rectangular housing (finished in fine-textured scratch-resistant powder coating in matt white or matt black) to insert one or two luminaires, and make it a surface luminaire
- Flat metal plate (finished in fine-textured scratch-resistant powder coating in matt white or matt black) to make it a square recessed luminaire

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

