

Description

Non-directional, round shaped deep recessed luminaire with COB LED technology. IP55 rated, for use in wet indoor locations. Suitable for wall and ceiling application.

The luminaire consists of 2 main components: the body and a LED module.

The LED module is fitted with a collimator TIR lens for optimal beam shape, optical efficiency and low glare. Available in medium beam angle (23°). Flood (39°) and wide flood (54°) available on request.

The aluminum body is screwed on the LED module.

The body holds two leaf springs.

No visible screws or wires after installation.

Materials

- Aluminium body finished in fine-textured scratch-resistant powder coating matt white or black. Any other RAL/NCS finish possible on request.
- Leaf springs in stainless steel
- TIR collimator, PMMA, 23° beam
- Aluminum heatsink, finished in black electrocoating
- Ledholder: white polycarbonate

Technical characteristics

- Dimensions: \varnothing 74 x 89 (H)
- Lens: medium (23°). Flood (39°) and wide flood (54°) available on request.
- COB high-power LED
- Colour temperature: 2700K or 3000K.
3500K, 4000K and warm dim (1800-3000K) available on request.
Warm dim available in medium (23°) and flood (39°) lens.
- CRI90+
- 2SDCM
- Luminaire output: 739lm (@500mA, 2700K and white structure painted luminaire)
- Power consumption: 7.2W (@500mA, driver excluded)
- Luminaire efficacy: 103 lm/W
- UGR 14
- Luminaire efficiency: 85%
- For connection to an electronic constant current LED driver: choose from driver matrix
- Class 3
- IP55 rated, for indoor use, wet locations
- Glow wire rating: 960°C
- Lifetime: L80B20 @50.000 hours
- Warranty period: 5 years on LEDs, 5 years on drivers

Installation

- Recessed mounting in ceiling or wall. Unit must not be covered with insulation. Make recess of \varnothing 68mm with hole saw.
- Electrical connection: connection to a suitable constant current LED driver via 2 leads (red and black, 300mm each) and two splicing connectors suitable for stranded and solid wires from 0.2mm² to 4mm² (24-12 AWG) (included with product)

Accessories

- A sheetmetal concrete box (with space for LED driver installation) and a compatible gypsum fibre-board available for use in plastered concrete ceiling and wall

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 \leq 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 \leq 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

