

## Description

Cylindrical, adjustable luminaire, which is to be installed in a recess hole, although 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 ceiling plate holds two leaf springs.

The frontring contains a small matt black painted innerring, for optimal visual comfort.

The LED housing can be rotated 360° around the adapter and 90° around the rod.

The frontring also contains the aluminium reflector.

No visible screws or wiring after installation.

## Materials

- Aluminium LED housing, front ring, back ring and rod, all finished with a scratch resistant fine textured powder coating in white or matt black
- Ceiling plate: steel, finished with a scratch resistant fine textured powder coating in white or matt black
- Reflector: high-gloss aluminium
- Innerring: aluminium, finished with scratch resistant powder coating in matt black
- Leaf springs: stainless steel

## Technical characteristics

- Dimensions:  $\varnothing 42$  mm x 96 mm ( $\varnothing$  x H excl. ceiling plate and stick)
- Reflectors: medium (25°) and flood (40°)
- COB high-power LED
- Colour temperature: 2700K, 3000K or warmdim (1800-3000K)
- CRI90+
- 3SDCM
- Luminaire output: 948lm (for 3000K, medium and white structure painted luminaire, driven at 700mA)
- Power consumption: 11.5W (driver excluded)
- Efficiency: 80%
- UGR 13
- Driver excluded: to be connected to a 350mA, 500mA or 700mA constant current driver. Warmdim to be connected to AM dimmable constant current driver 350mA maximum
- Class 3
- Only for indoor use (IP20)
- Lifetime: L80 B20 @50.000 hours
- Warranty period: 5 years on LEDs, 2 years on drivers

## Installation

- Recess hole  $\varnothing 44$ , necessary height 70mm (to tilt driver through the recess hole)
- Install the luminaire by means of the two leaf springs in the recess
- Electrical connection to the driver with two splicing connectors 0.2-4mm<sup>2</sup>, included in the product

## Accessories

- none

## 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

