

## Description

Curved cylindrical, adjustable surface miniaturized high-power LED luminaire, to be installed in a recess hole.

The luminaire consists of two main components: the body and the ceiling ring. The body rotates in the ceiling ring 360° horizontally and 60° vertically. The body sticks 43mm out of the ceiling and gives optimal adjustability.

The housing contains the aluminum reflector for optimum beam shape. The reflector is covered with a transparent polycarbonate sheet.

The luminaire doesn't contain a LED driver, so has to be combined with an appropriate constant current LED driver.

The ceiling plate holds on top two leaf springs which keep the luminaire in the ceiling recess.

No visible screws or wires after installation.

For indoor use only, protection class IP20.

## Materials

- Aluminium body and ceiling ring finished in fine-textured scratch-resistant powder coating matt black or matt white.
- Stainless steel leaf springs
- Reflector: high-gloss aluminium
- Transparent protective sheet in polycarbonate

## Technical characteristics

- Outer dimensions: 72 mm (ø) x 43 mm (H)
- Reflectors: medium (25°) or flood (40°)
- COB high-power LED
- Colour temperature: 2700K, 3000K or warmdim (1800-3000K)
- CRI 90+
- 2 SDCM
- Luminaire output: 478 lm (for 3000 K medium in white paint @700mA)
- Luminaire efficiency: 80%
- Power consumption: 6.4W per LED module (@700 mA) driver excluded
- UGR 20
- For connection to an electronic constant current LED driver: choose from driver matrix for suitable dimensions, wattage and type of dimming
- Warranty period: 5 years on LED lamps, 2 years on drivers, L80B20 @ 50.000 hours
- Class 3
- Use: indoor, IP20

## Installation

Recessed mounting in ceiling or wall by means of leaf springs. Recess hole: ø65mm, 80mm high. Unit must not be covered with insulation.

Electrical connection: connection to 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).

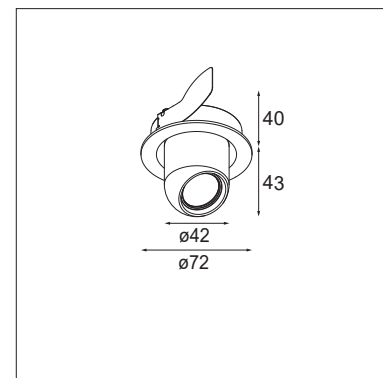
## Accessories

Following accessories can all be mounted on the front of the LED body by means of a 'click', no tools needed:

- Snoot for increased lighting comfort and reduced glare
- Crossblade increased lighting comfort and reduced glare
- Honeycomb increased lighting comfort and reduced glare

## Installation 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  $\leq 16$  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