

Description

Rectangular shaped LED luminaire, for semi-recessed installation in ceiling or wall. Consisting of three main components: the LED housing/heatsink, an inner and outer U-shaped bracket and a ceiling plate.

The LED housing connects to the inner U-shaped bracket via 2 invisible screws, allowing the LED housing to pivot vertically $+110^{\circ}/-110^{\circ}$. The outer U shaped bracket is connected to the inner U-shaped bracket with 2 invisible screws and connects the LED housing to the ceiling plate. The LED housing can be rotated 360 degrees horizontally.

The ceiling plate includes two leaf springs for easy installation in the recess hole.

The LED housing contains the COB LED source. The high-gloss aluminium reflector enables a high optical efficiency. The clear polycarbonate cover protects the LED and reflector from dust.

The luminaire is LED driver excluded and needs to be combined with an appropriate constant current driver of 350mA maximum.

Only intended for indoor use (IP20 protection grade).

No visible wiring after installation.

Materials

- LED housing, backplate of LED housing, inner & outer U-shaped profile, ceiling plate: aluminium, finished with a scratch resistant fine textured powder coating in white or matt black
- Optic: high-gloss aluminium reflector, available in medium or flood beam angle
- Protection cover: clear polycarbonate, thickness 2mm
- Leaf springs: stainless steel

Technical characteristics

- Dimensions: 50mm x 57mm x 69mm (L x B x H excl. ceiling plate and leaf springs)
- COB high-power LED
- Colour temperature: 2700K, 3000K or Warmdim (1800-3000K)
- CRI90+
- 3SDCM
- Luminaire output: 576lm per lampunit (@350mA, for 3000K, medium beam angle and white structure painted luminaire)
- Luminaire efficiency: 77.65% (@350mA, for 3000K, medium beam angle and white structure painted luminaire)
- Luminaire efficacy: 96lm/W (@350mA, for 3000K, medium beam angle and white structure painted luminaire)
- Power consumption: 6W @ 350mA
- For connection to an electronic constant current LED driver: choose from driver matrix for suitable dimensions, wattage and type of dimming
- Class 3
- Only for indoor use (IP20)
- Lifetime: L80 B20 @50.000 hours
- Warranty period: 5 years on LEDs, 5 years on drivers
- Glow wire rating: 960°C

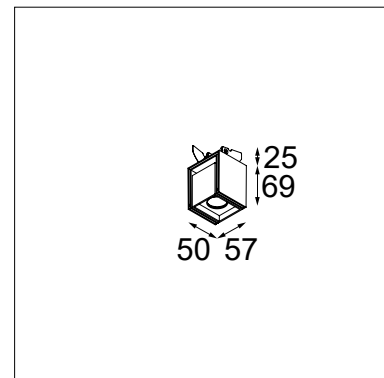
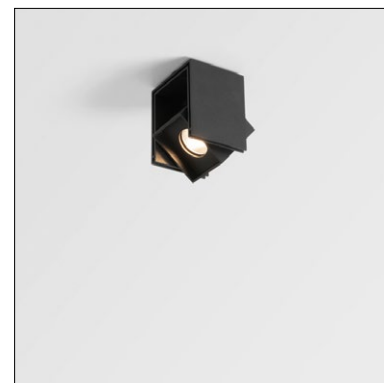
Installation

- Recessed mounting in ceiling or wall: make recess hole of $\varnothing 40$ mm. The required installation depth is minimum 70mm. The luminaire is held in the ceiling by two leaf springs.
- Electrical connection to LED driver by means of two leads (red and black, approx. 300mm each), and two 2-pole splicing connectors for wire sections from 0.2 to 4mm² - 24 to 12 AWG (included).
- Don't cover the backside of the luminaire with insulation material.

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



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