

Description

Slim square shaped LED linear luminaire suitable for use in a low voltage (48V DC) magnetic rail system.

The luminaire consists of a polycarbonate body and uses a PCB with 8 or 16 high power leds as light source. 8 or 16 separate square PMMA lenses are used as optical system to become a medium or flood light beam.

The LED PCB is mounted on an aluminium backplate for optimum heat dissipation.

The backside of the polycarbonate housing is covered with a polycarbonate cap.

The luminaire contains the adapter that fits in the low voltage magnetic rail system.

No visible screws or wires.

Materials

- Polycarbonate housing and backplate in matt white or matt black
- PMMA lens, polycarbonate lensholder
- Heatsink: aluminium, black electro-plated

Technical characteristics

- Dimensions:
 - 8 leds version: 17mm x 18mm x 302mm (W x H x L)
 - 16 leds version: 17mm x 18mm x 429mm (W x H x L)
- Available in DALI or 1-10V dimming
- PCB fitted with 8 or 16 high power LED's, 8W or 19W (including driver)
- Luminaire output:
 - 8 leds version: 796lm, 100lm/, UGR17 (for 3000K, medium beam, matt white version)
 - 16 leds version: 1623lm, 85lm/W, UGR18 (for 3000K, medium beam, matt white version)
- Colour temperature: 2700K and 3000K
- CRI90+
- 3SDCM
- Luminaire efficiency: 85% (for 3000K, matt white version)
- 48V driver excluded, to be combined with a 48V DC constant voltage driver to be chosen from driver matrix
- Only for indoor use (IP20)
- Class 3
- Lifetime: L80 B20 @50.000 hours
- Warranty: 5 years on LED

Installation

- Put the luminaire in a 48V DC magnetic rail system by simply pushing it in the rail. The magnets at the backside of the luminaire keep the luminaire in place.

Accessories

48V independent or DIN-rail mounted LED drivers are available in the driver matrix.

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 60598-2-1 - Fixed general purpose 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

