

## Description

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

Available in 5 lengths: 500mm, 1000mm, 1500mm, 2000mm and 2500mm.

The luminaire consists of an anodized extruded aluminium profile and uses a flexible LED strip with medium power leds as light source.

The profile is covered with a polycarbonate extrusion as diffuser and contains an endcap to close the luminaire.

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

## Materials

- Anodised aluminium profile
- Polycarbonate diffuser
- Adapter: polycarbonate black or white
- Endcap: polycarbonate black or white

## Technical characteristics

- Dimensions: 17 mm x 18 mm (W x H); lengths 500mm, 1000mm, 1500mm, 2000mm, 2500mm
- Suitable for continuous direct light line
- Luminaire output: 2000lm/m - 18.9W/m
- Medium power 48V flexible ledstrip
- Colour temperature: 2700K and 3000K
- CRI90+
- 3SDCM
- Luminaire efficiency: 61%
- 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

