

Description

Cylindrical, adjustable 48V track mounted LED luminaire suitable for wall and ceiling application. The luminaire consists of a main body on which the COB LED is screwed. The LED is fitted with a collimator TIR lens for optimal beam shape, optical efficiency and low glare. Available in spot, medium and flood beam angle. The TIR lens is held in place in the housing by means of a front ring. The back side of the luminaire's main body holds the pivoting rod that enables the luminaire to be adjusted and holds the 48V low voltage adapter. The adapter contains the electronic convertor (DALI, 1-10V or not dimmable) that converts 48V DC into a constant current. The luminaire can be rotated 360° around the adapter and 90° around the rod. Available in single as well as double lamp version. Suitable for indoor use, IP20 rated. No visible screws or wiring.

Materials

- Main body and pivoting rod: aluminium finished in fine-textured scratch-resistant powder coating matt black or matt white. Any other RAL/NCS finish possible on request.
- Front ring: aluminium finished in matt black scratch-resistant powder coating
- TIR collimator, transparent polycarbonate
- Ledholder: white polycarbonate
- Adapter: polycarbonate black or white

Technical characteristics

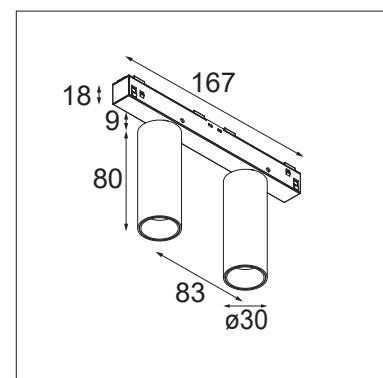
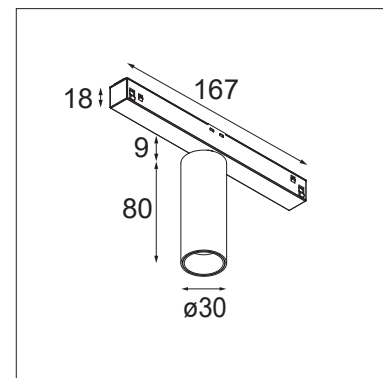
- Dimensions: $\varnothing 30$ mm x 80 mm ($\varnothing$ x H excl. adapter and pivoting rod)
- Lens: spot (17°), medium (25°) or flood (46°)
- COB high-power LED
- Colour temperature: 2700 K, 3000 K or warmdim (1800-3000K)
- CRI90+
- 2SDCM
- Luminaire output: 500lm (for 3000K and white structure painted luminaire, medium beam angle)
- Luminaire efficiency: 67% (for 3000K and white structure painted luminaire, medium beam angle)
- Luminaire efficacy: 70 lm/W (for 3000K and white structure painted luminaire, medium beam angle, driver included)
- Power consumption: 5.2W (3000K, spot version, driver included), 7.1W (3000K, medium and flood version, driver included)
- UGR 14 (for 3000K and white structure painted luminaire, medium beam angle)
- Available with included 1-10V or DALI dimmable driver. Also available in a non-dimmable version
- Power: 48V DC
- Class 3
- Only for indoor use (IP20)
- Glow wire rating: 960°C
- Lifetime: L80 B20 @50.000 hours
- Warranty period: 5 years on LEDs, 5 years on drivers

Installation

- For installation in a 48V single phase low voltage dimmable track system

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 60598-2-1 - 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 ≤ 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