

Description

Cylindrical track mounted LED luminaire, consisting of two main components: the LED housing (with frontring) with built-in trailing edge dimmable LED driver and the L-shaped pivoting bracket that holds the 3 phase adapter (non dimmable or DALI). On the back of the LED housing, a grid is mounted for optimal heat dissipation of both LED and LED driver.

The frontring contains the glass aspherical lens and can be adjusted from spot beam (15°) to flood beam (55°) while turning the frontring clockwise or counter clockwise. An indicator grid has been printed on the tube to show the particular beam angle set.

Inside the LED housing, a COB led is mounted on an aluminium heat sink.

The LED housing can be rotated 180° (+90°/-90°) around the bracket and 365° around the adapter.

On the LED housing, an adjusting lever can be mounted, for easy adjusting and for locking the frontring at a certain beam angle value. The lever can be unscrewed if preferred.

The LED housing can be locked to the L-shaped bracket by means of a set screw.

The phases of the universal 3 phase adapter can be easily chosen, simply by sliding a selector.

The primary wiring consists of a white or black textile cable which runs from the adapter into the back of the LED housing.

Materials

- Aluminium LED housing finished with a scratch resistant fine textured powder coating in white or matt black
- Aluminium L-shaped bracket finished with a scratch resistant fine textured powder coating in white or matt black
- Aluminium cooling grid finished with a scratch resistant fine textured powder coating in white or matt black
- Aspherical glass lens
- Galvanized steel driver bracket

Technical characteristics

- Dimensions: $\varnothing 107\text{mm}$, H 235mm (max) – 220mm (min)
- 1x COB high-power LED
- Colour temperature: 2700 K or 3000 K
- CRI 90+
- 3SDCM
- Luminaire output: 1999lm (for 3000 K, white, beam angle 35°)
- Luminaire efficiency: 89.7%
- Power consumption: 30W (driver included), 66.6lm/W
- Built-in LED driver, mains (trailing-edge) dimmable or DALI dimmable
- Warranty period: 5 years on LED, 2 years on drivers
- Power: 220-230 V, 50-60 Hz
- Class 1
- Only for indoor use (IP20)

Installation

- For installation on a universal 3 phase track rail or Global Pulse 3 phase DALI track rail

Accessories

- none

Standards and directives:

- 2006/95/EC - Low Voltage Directiv
- 2004/108/EC - EMC Directive
- 2011/65/EU - RoHS Directive
- 2009/125/EC - ECO design Directive
- 245/2009/EC + 347/2010/EU - ECO design 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

