

Description

Spherical 48V track mounted LED luminaire, consisting of three main components: the LED housing/ heatsink, a 48V low voltage adapter and a glass sphere.

The adapter contains the electronic convertor (DALI or 1-10V) that converts 48V DC into a constant current.

The LED housing connects the glass sphere to the adapter and contains the LED. The glass sphere is screwed on the LED housing.

The matte glass sphere guarantees a diffuse and consistent light effect.

Available in a single lamp unit version.

Only intended for indoor use (IP20 protection grade).

No visible screws or wiring after installation.

Materials

- Aluminium LED housing, finished with a scratch resistant fine textured powder coating in white or matt black
- Optic: matte glass sphere
- Seal between glass sphere and LED housing: white silicone
- Adapter: polycarbonate black or white

Technical characteristics

- Dimensions: $\varnothing 90\text{mm} \times 94\text{ mm}$ ($\varnothing \times H$ excl. adapter)
- COB high-power LED
- Colour temperature: 2700K, 3000K or Warmdim (1800-3000K)
- CRI90+
- 3SDCM
- Luminaire output: 702lm (for 3000K and white structure painted luminaire)
- Luminaire efficiency: 77.65% (for 3000K and white structure painted luminaire)
- Luminaire efficacy: 83 lm/W (for 3000K and white structure painted luminaire)
- Power consumption: 8.5W (driver included)
- Available with 1-10V or DALI driver
- Power: 48V DC
- 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

For installation in a single phase low voltage (48VDC) dimmable magnetic 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 $\leq 16\text{ A}$ 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 $\leq 16\text{ A}$ 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

