

## Description

Spherical jack mounted LED luminaire, consisting of three main components: the LED housing/ heatsink, a 8.5mm diameter low voltage jack plug and a glass sphere.  
The LED housing connects the glass sphere to the low voltage jack plug and contains the LED. The glass sphere is screwed on the LED housing.  
The luminaire does not contain a LED driver, so has to be combined with an appropriate constant current LED driver (350mA or 500mA).  
The luminaire's male low voltage jack plug needs to be plugged in a compatible 8.5mm receptor.  
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:  $\varnothing 90\text{mm} \times 100\text{ mm}$  ( $\varnothing \times H$  excl. jack plug)
- 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: 97.5 lm/W (for 3000K and white structure painted luminaire)
- Power consumption: 7.2W @500mA (driver included)
- For connection to an electronic constant current LED driver: choose from driver matrix
- 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 on a compatible  $\varnothing 8.5\text{mm}$  female low voltage jack receptor  
Easy plug and play system

## Accessories

- Ceiling base (available in rectangular and round shape) with integrated (dimmable/connected) LED drivers and integrated 8.5mm female low voltage jack receptors
- 8.5mm male/female extension sticks in 10, 20 and 30cm length. These sticks can be used to extend the jack luminaires
- Recessed, deep recessed and recessed trimless housings with integrated 8.5mm female low voltage jack receptors

## 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

