

## Description

Directional cylindrical outdoor luminaire. High-power LED technology and integrated non-dimmable LED driver. Suitable for ceiling, wall and floor applications. Available in two versions: single or double lamp head.

The luminaire consists of three main mechanical components: the wall plate, the body (containing the electrical connection and the LED driver) and the lamp housing (containing the LED module).

Intended for outdoor use. The IP67 rated high-power LED module combined with the IP54 rated LED driver results in a general IP54 protection grade of the complete luminaire.

## Materials

- Aluminum wall plate, pre-treated with a 25µm anodization layer for outdoor use
- Aluminum body and body cover, both pre-treated with a 25µm anodization layer and a finished with a scratch resistant fine-structured powder coating in matt black
- Stainless steel LED driver bracket, 1.5mm thickness
- Stainless steel LED driver fixation spring, 0.5mm thickness
- Aluminum lamp housing and cover, both pre-treated with a 25µm anodization layer and a finished with a scratch resistant fine-structured powder coating in matt black
- Aluminum LED holder, treated with a 25µm black anodization layer for outdoor use
- PMMA LED collimator, flood beam angle
- Stainless steel A2 screws

## Technical characteristics

- Dimensions:
  - 1x LED: body ø70mm, height 150mm, overall width 148mm
  - 2x LED: body ø70mm, height 150mm, overall width 226mm
- High-power LED unit
- Colour temperature: 3000K
- CRI90+
- Binning: 3 SDCM
- Clear PMMA collimator optic, flood beam angle (40°)
- Non-dimmable electronic LED driver included
- Luminaire output: 208lm per lamphead
- Luminaire optical efficiency: 79.7%
- Power consumption: 5.8W for 1x LED, 9.1W for 2x LED (total power, driver included)
- Warranty period: 5 years on LED, 2 years on driver
- Lifetime: L80B20 @50.000hrs
- Power: 220-230V, 50-60Hz
- Class 1
- Use: outdoor, IP54
- Glow wire rating: 960°C

## Installation

- Mounted on a cylindrical wall plate. The wall plate has a center hole of 33mm for the power cable. The luminaire is fixed on the wall plate with 3x M5 allen screws (2.5mm hexagonal key needed)
- The wall plate is mounted on the surface by means of 2 universal chipboard screws of max. ø 4.5mm (not included). The distance between the two holes, center to center is 45mm.
- Connect to the mains by included IP68 waterproof heat shrinkable connectors, suitable for stranded and solid wires up to 2.5mm².

## Accessories

None

Standards and directives:

- 2006/95/EC - Low Voltage Directive
- 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

