

Description

Directional (0-30°) round recessed luminaire, outer diameter 115mm with COB LED technology, an aluminium reflector as optical system and low recess depth (100mm).

The adjustability is obtained by an innerring rotating in an outerring (360°). At the same time the innerring is tiltable relative to the outerring from 0° to 30°.

Materials

- Aluminium front ring finished in fine-textured scratch-resistant powder coating in matt white or matt black or in spraypaint gold finish
- Aluminium heatsink, bionic shaped for optimal heat dissipation
- High-gloss aluminium reflectors
- Stainless steel leaf springs
- POM rotation ring

Technical characteristics

- Dimensions: 115 mm (∅) x 63 mm (H)
- Reflectors: spot (15°), medium (25°), flood (40°)
- COB high-power LED
- Colour temperature: 2700K, 3000K or 4000K (3500K available on request). Also available in warm dim (1800K-3000K).
- CRI 90+
- 3 SDCM
- Luminaire output: 994lm (for 3000 K medium, Lotis shape @700mA)
- Luminaire efficiency: 95%
- Power consumption: 13.4W per LED unit (@700mA)
- UGR18 (for 3000 K medium, Lotis shape @700mA)
- For connection to an electronic constant current LED driver: choose from driver matrix
- Lifetime: L80 B20 @50.000 hours
- Warranty period: 5 years on LED lamps, 2 years on drivers
- Class 3
- Indoor use (IP20)

Installation

- Recessed mounting in ceiling or wall. Recess dimensions: ∅108 mm, H 100 mm. Fixation by means of leaf springs. Unit must not be covered with insulation.
- Electrical connection to LED driver by means of two leads (red and black, approx. 400mm each), and two 2-pole splicing connectors for wire sections from 0.2 to 4mm² - 24 to 12 AWG (included)

Accessories

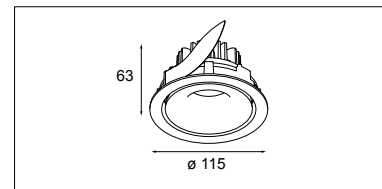
- Recessed ring for trimless installation in plasterboard and wood
- Metal box for installation in concrete, combined with rectangular plasterkit (gypkit)
- Metal tube to insert luminaire (finished in fine-textured scratch-resistant powder coating in matt white or matt black) and make it a surface (or suspended) luminaire
- Metal square or rectangular housing (finished in fine-textured scratch-resistant powder coating in matt white or matt black) to insert one or two luminaires, and make it a surface luminaire
- Flat metal plate (finished in fine-textured scratch-resistant powder coating in matt white or matt black) to make it a square recessed luminaire

Standards and directives:

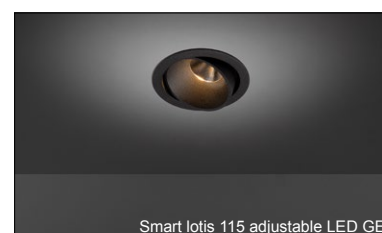
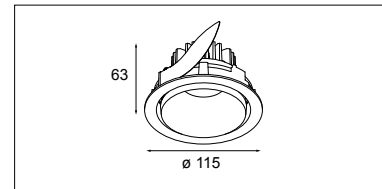
- 2006/95/EC - Low Voltage Directive
- 2004/108/EC - EMC Directive
- 2011/65/EU - RoHS Directive
- 2009/125/EC - Ecodesign Directive
- 245/2009/EC + 347/2010/EU - Ecodesign Directive
- 1194/2012/EU - Ecodesign Regulation
- EN 60598-1:2008 +A11:2009 - Luminaires. General requirements and tests
- EN 62471:2008 - Photobiological safety of LED lamps and lamp systems
- EN 62493: 2010 - Assessment of lighting equipment related to human exposure to electromagnetic fields
- EN 60598-2-2:2012 - Recessed 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



Smart cake 115 adjustable LED GE



Smart kup 115 adjustable LED GE



Smart lotis 115 adjustable LED GE

