

Description

Round shaped fixed deep recessed luminaire for use with (integrated) LED lamps with GU10 base. The luminaire consists of 3 main components: an outer ring, an inner body and a GU10 socket with a screw terminal.

The inner body is available in 4 shapes, resulting in 4 different designs: straight, oblique, coned and pinhole.

The luminaire comes in 3 variants: no lamp included, with an included LED lamp 2700K medium beam that can be controlled via connected technology, or with an included LED lamp which is tunable white (2200-6500K) also to be controlled via standard connected technology platform.

No visible screws or wiring after installation.

The luminaire can be combined with various built-in accessories such as recessed rings and recessed boxes for use in plasterboard, concrete and brick wall or ceilings.

Also various optical accessories are available: honeycomb, snoot and cones.

Materials

- Outer ring: diecast aluminum, finished in fine-textured scratch-resistant powder coating, matt white or matt black, general wall thickness 1.6mm
- Leaf springs: stainless steel thickness 0.4mm
- Polycarbonate inner body, finished in matt white and matt black wet paint, general wall thickness 1.7mm
- Lampholder: GU10, ceramic base with 200mm PFA high temperature resistant wires
- Connector: 2-pole, screw terminal type, polyamide 66
- Galvanised steelplate bracket that holds the electrical connection box
- Optical accessories: black polycarbonate

Technical characteristics

- Dimensions: \varnothing 74 x 80 or 97 mm (H)(depending on version)
- Colour temperature: 2700K or tunable white (2200-6500K)
- CRI80+
- 3SDCM
- Delivered lumens: 370lm (@2700K, for straight white inner body)
- Luminaire efficiency: 83%
- Power consumption: 5.2W (2700K), 5W (tunable white)
- Luminaire efficacy: 71 lm/W
- Class 2
- Use: indoor only, IP20
- Glow wire rating: 960°C
- Power: 220-230V, 50-60Hz

Installation

Electrical connection to the mains via a 2-pole connector with screw terminals for wire sections up to 6mm² - 10 AWG. The connector is put in a plastic casing with a cover to keep Class 2 construction. Recessed mounting in ceiling or wall.

The way of installation depends on the type of luminaire and type of ceiling (with trim or trimless).

TRIMMED INSTALLATION:

In case of false ceiling (in wood, plasterboard, ...): recess hole dimension \varnothing 68mm, H110mm.

Installation by means of 2 leaf springs that hold the luminaire in the recess hole. The luminaire must not be covered with insulation material.

In case of structural ceilings (concrete, brick, ...) that are plastered afterwards: installation by means of a galvanized steelplate or plastic concrete box that can be combined with an optional gypsum fibreboard cover plate. It is possible to include the LED driver in the conbox.

TRIMLESS INSTALLATION:

Always to be combined with a trimless ring accessory in which the luminaire clicks. The various trimless ring accessories are adjustable in height, depending on the thickness of plaster layer (if applicable).

In case of exposed concrete finish two options are available:

1. A separate trimless concrete ring to be used in combination with a standard plastic concrete box solution
2. A trimless concrete ring already mounted in a sheetmetal plate to be used in combination with an optional galvanized steelplate concrete box. It is possible to include the LED driver in the concrete box.

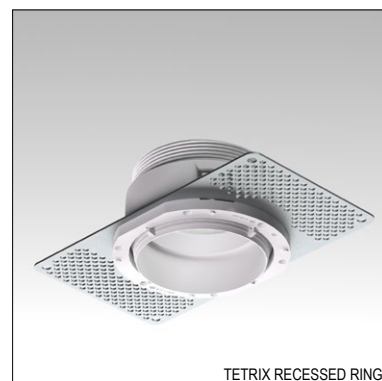
In case of structural ceilings (concrete, brick, ...) that are plastered afterwards: a trimless ring already mounted in a perforated sheetmetal plate to be used in combination with the optional galvanized steelplate concrete boxes. Possible to include the LED driver in the concrete box.



Accessories

Honeycomb, snoot and conical optical accessories available. These accessories click on the front of the luminaire and can be added afterwards if required.

Various installation accessories available as described above.



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