

## Description

Circular shaped LED luminaire for wall mounting. Consisting of a housing that holds a printed circuit board fitted with 4 high power LEDs. The LEDs are placed on the printed circuit board in line, but at irregular intermediate distances, resulting in light beam shape that plays with light and shadow. The LED PCB is treated with a parylene coating to protect the LED chips from dust and moisture.

The body holds the electronic constant current LED driver, either trailing edge, 1-10V, pushdim or DALI dimmable. Also a driver excluded version is available. The backside of the body holds the galvanized steel wall bracket by means of 2 magnets.

Both available in IP20 (for use in indoor dry locations) and IP44 (for use in indoor damp or wet locations) protection grade.

No visible wires after installation.

## Materials

- Aluminum housing finished with a scratch resistant fine textured powder coating in white or matt black
- Wall plate: galvanized steel
- Printed circuit board: aluminum

## Technical characteristics

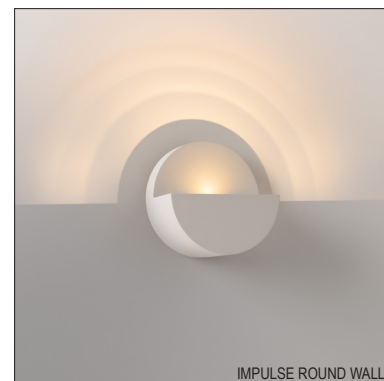
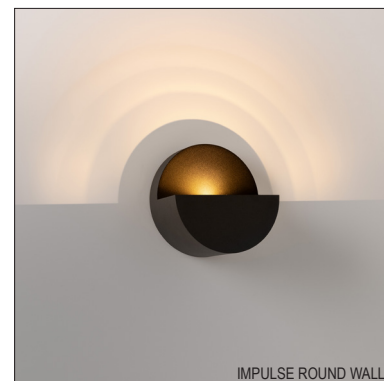
- Dimensions:  $\varnothing 145\text{mm}$ , height 25 mm/80mm
- Printed circuit board with 4 high power LEDs
- Colour temperature: 2700 K or 3000 K
- CRI 90+
- 3SDCM
- Luminaire output: 630lm (for 3000 K, white, mains dimmable)
- Luminaire efficiency: 90%
- Power consumption: 7.5W (driver included), 84lm/W, 5.5W (driver excluded)
- Built-in LED driver, mains (trailing-edge) dimmable, DALI, 1-10V or pushdim,
- Also available LED driver excluded, choose from driver matrix for suitable dimensions, wattage and type of dimming
- Warranty period: 5 years on LED, 2 years on drivers
- Power: 220-230 V, 50-60 Hz, or to be connected to a constant current LED driver
- Class 1 (driver included version), Class 3 (driver excluded version)
- Only for indoor use
- Glow wire rating 960°C
- Lifetime: L80B10 @50.000 hours

## Installation

Base mounted (galvanized steelplate) with two universal chipboard screws of max.  $\varnothing 4.5\text{ mm}$  (not included). Luminaire can easily be tilted on top of the wall bracket. The luminaire will snap into its correct position onto the bracket by means of two magnets. The luminaire is secured on the wall bracket (anti-theft) by means of a Torx countersunk screw (T10 screwdriver needed).

## Driver included version

Electrical connection to the mains with two 3-pole splicing connectors (line and neutral) and one 5-pole splicing connector (earthing). The splicing connectors are included in the product and are suitable for wiring sections 0.2 – 4 mm<sup>2</sup> (24 – 12 AWG).



## **Driver excluded version**

- IP20: Electrical connection to a constant current LED driver by means of two 2-pole splicing connectors, included in the product and suitable for wiring sections 0.2 – 4 mm<sup>2</sup> (24 – 12 AWG).
- IP44: Electrical connection to a constant current LED driver by means of watertight shrink connectors, included in the product and suitable for wiring sections 0.5 – 1.5 mm<sup>2</sup> (22 – 18 AWG).

## **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