

## Description

Non-directional recessed luminaire with COB LED technology. IP67 certified for damp outdoor use. Suitable for floor/ground application only.

Available in 2 different designs: with cylindrical or with square frontring.

Available in 3 versions: symmetric lightbeam, asymmetric lightbeam or symmetric lightbeam with antiglare ring inside for optimum light comfort.

The luminaire consists always (independent of the version) of 6 main mechanical components: the cylindrical body (which functions also as heatsink), a M12 plastic gland, a black painted cone for reducing glare, a high-gloss deep recessed reflector, a frontring and an impact resistant safety glass cover.

The luminaire is fitted with 300mm black wire and two 2-pole waterproof splicing cable connectors.

The luminaire can be combined with a metal built-in housing for installation in concrete, gravel, ...

## Materials

- Aluminium frontring finished in brushed natural grey anodization
- Aluminium body, finished in black electro coating
- High-gloss aluminium reflector
- Aluminium cone painted in scratch resistant matt black powder coating
- Plastic gland M12x1,5 in polyamide
- Glass cover, made from tempered safety glass, 8mm thick
- Silicone electric cable, 2x 1mm<sup>2</sup>

## Technical characteristics

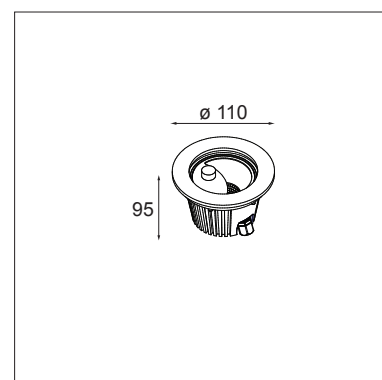
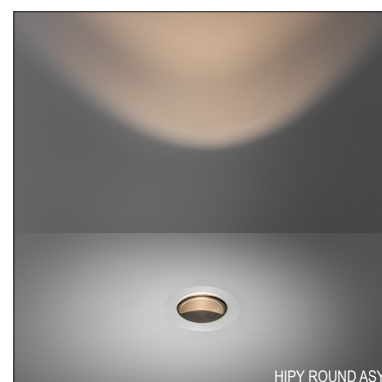
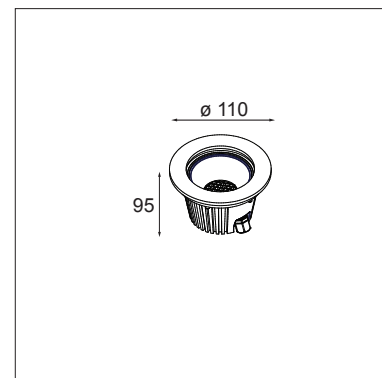
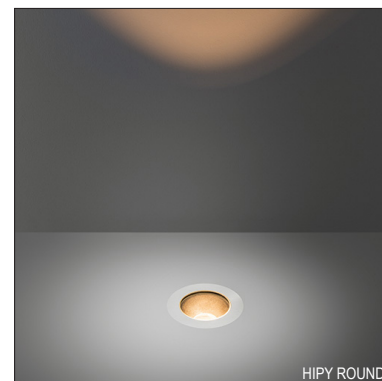
- Dimensions:  
Round version:  $\varnothing 110$ , 95mm (H)  
Square version: 110mm x 110mm (L x W), 95mm (H)
- Reflector: 40° flood (antiglare version 25°)
- COB high-power LED
- Colour temperature: 3000K and 2700K
- CRI 90+
- 3 SDCM
- Luminaire output: 547lm (for 3000 K medium in white paint @500mA standard symmetric version)
- Luminaire efficiency: 70%
- Power consumption: 9.2W (@500 mA) driver excluded
- UGR 13
- For connection to an electronic constant current LED driver: choose from driver matrix for suitable dimensions, wattage and type of dimming
- Warranty period: 5 years on LED lamps, L80B20 @ 50.000 hours
- Lifetime L80B20 @50.000 hours
- Class 3
- Use: outdoor, IP67
- IK08 impact strength

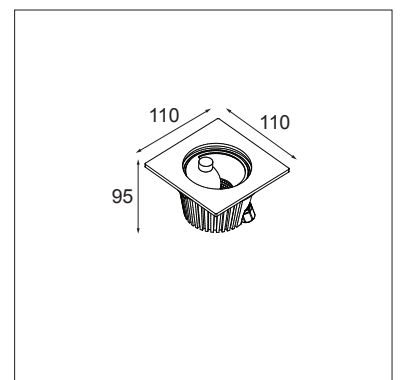
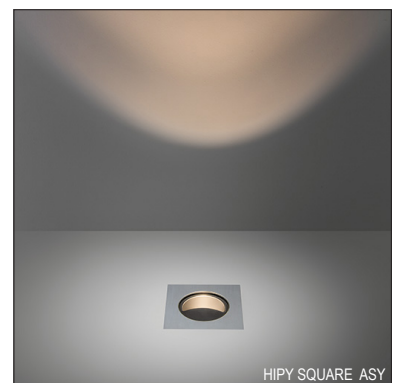
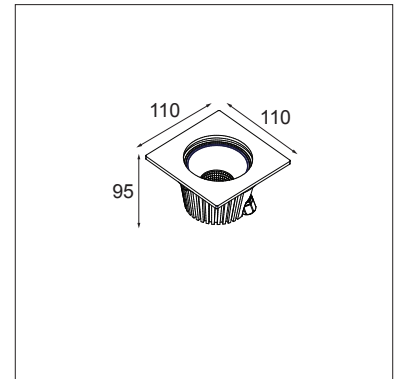
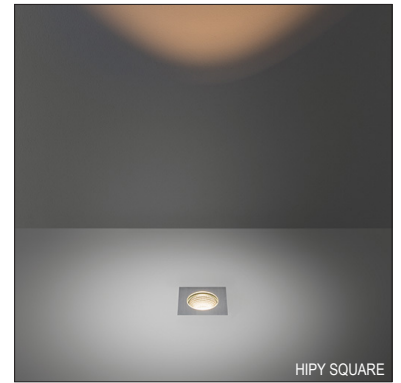
## Installation

- Mounting in recess hole cut-out size  $\varnothing 100$ mm, 105mm deep.
- Concrete box in galvanized steelplate available for installation of the square version in concrete/gravel.
- Anodized aluminium cylindrical conbox available for installation of the round version in concrete/gravel.
- It is advised to surround the conbox accessories with gravel or sand for the perfect drainage of water.
- Not to be installed in areas where cars can drive over the luminaires.
- Electrical connection to a suitable driver by means of two 2-pole waterproof IP67 splicing connectors (included). Driver is to be installed in an indoor enclosure or cabinet.

## Accessories

- Concrete box in galvanized steelplate available for installation of the square version in concrete/gravel.
- Anodized aluminium cylindrical conbox available for installation of the round version in concrete/gravel.





## Standards and directives:

- 2006/95/EC - Low Voltage 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 60598-2-13:2006/A1:2012 - Ground Recessed Luminaires
- EN 50581:2012 - Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances