

# FLAT MOON ECLIPS 950 - SURFACE/SUSPENDED

## Description

Round shaped LED luminaire for ceiling surface or suspension application. The rounded housing is made of an aluminium extruded profile that has been bent into the circular shape. The extrusion has a curved side which gives the luminaire its typical soft slope.

The LED luminaire is fitted with 4 C-shaped LED PCB's which are placed on a white powder painted led holder plate. The PCB's contain in total 272 medium power LED's which are equally distributed on the surface. A PMMA diffuser covers the front of the luminaire which results in a high efficient luminaire with no dottiness. The front center is covered with a powderpainted steelplate of ø650. The back of the housing contains a steel plate with the electronic LED drivers and terminal blocks for easy connection to the mains. Both the uplight and downlight LED's can be connected to a separate circuit, hence operated separately.

All of the electric and electronic components at the backside of the luminaire are covered by a metal ceiling housing.

## Materials

- Aluminium housing finished with a scratch resistant fine textured powder coating in white or matt black
- Front center steelplate finished with a scratch resistant fine textured powder coating in white or matt black
- LED holder plate in steel finished with a scratch resistant fine white textured powder coating
- Backcover in aluminium finished with a scratch resistant fine textured powder coating in white or matt black
- Driver plate in galvanized steel
- PMMA white front and back diffuser

## Technical characteristics

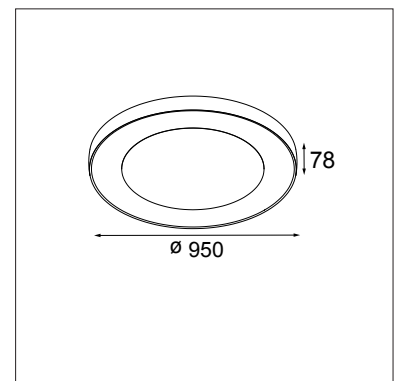
- Dimensions: ø950mm, H 78mm
- Circular PCB with medium power LED's
- Colour temperature: 2700K, 3000K or 4000K
- CRI 90+
- 3SDCM
- Luminaire output: total 5452lm
- Luminaire efficiency: 64.9%
- Luminaire power consumption: 74W (driver included), 73,6lm/W
- UGR 20,7
- Built-in LED driver, 1-10V/Pushdim or DALI
- Warranty period: 5 years on LED, 2 years on drivers
- Power: 220-230 V, 50-60 Hz
- Class 1
- Only for indoor use

## Installation

- **SURFACE:** Round steel baseplate (painted in scratch resistant fine textured black powder coating) to be mounted on the ceiling with four universal chipboard screws of max. ø 4.5 mm. After electrical connection, mount the luminaire on the baseplate with 4 Torx screws (included in luminaire). Electrical connection to mains with 5 pole terminal block (0.75 to 2.5mm<sup>2</sup>) suitable for through wiring
- **SUSPENSION:** Must be used with a suspension set (steel cable and feed cord combination). The luminaire housing has 3 slotted holes at the backside to fit a triangular or 3 times singular suspension set. Connect the power feed cable of the suspension set to the mains on 2 times a 5 pole terminal block (0.75 to 2.5mm<sup>2</sup>) suitable for through wiring. Choose the right suspension set type (3-pole or 5-pole feedcord) depending on the type of dimming used

## Accessories

- **Cover plates:** Steel cover plates painted in scratch resistant fine textured powder coating in white or matt black to cover the backside of the luminaire when used with suspension kit.
- **Suspension kit:** available in triangular or singular version. Ceiling housing, steelcable and transparent power feed cable included. Available in 3x 0.75mm<sup>2</sup> (when used non-dimmable) or 5x 0.75mm<sup>2</sup> (when used dimmable)



#### 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 60598-2-1 - 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  $\leq 16$  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  $\leq 16$  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