

FLAT MOON LED 950 (SUSPENSION UP/DOWN)

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 1 dedicated round LED PCB combined with 8 C-shaped LED PCB's which are placed on a white powder painted led holder plate. The PCB's contain in total 520 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 uplight LEDsource consists of 8 rectangular shaped LED PCB's, containing 88 medium power LED's in total. The uplight LED's are covered with a PMMA cover, resulting in a diffuse uplight effect. 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
- 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

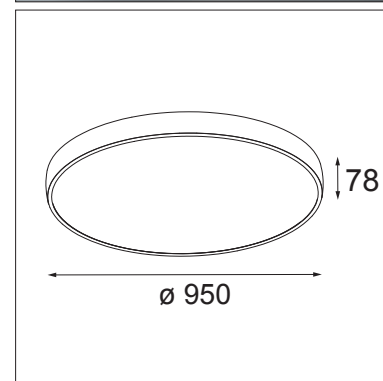
- Dimensions: ø950mm, H 78mm
- Circular PCB with medium power LED's
- Colour temperature: 2700 K, 3000K or 4000K
- CRI 90+
- 3SDCM
- Luminaire output: total 17793lm; 4234lm down, 13559lm up (for 3000K, and standard diffuser)
- Luminaire efficiency: 86%
- Luminaire power consumption: 200W (driver included), 89lm/W
- UGR 21
- 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

- **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 2.5mm²) suitable for through wiring. Choose the right suspension set type (3-pole, 5-pole or 9-pole feedcord) depending on the dimming type used.

Accessories

- Prismatic front diffuser, PMMA. This results in a high efficient and low UGR rated luminaire.
 - Luminaire output: 14746lm (for 3000K)
 - Luminaire efficiency: 93.5%
 - Luminaire power consumption: 152W (driver included), 97lm/W
 - UGR 20
- Ice Prismatic front diffuser, PMMA. This results in a high efficient and low UGR rated luminaire.
 - Luminaire output: 12858lm (for 3000K)
 - Luminaire efficiency: 81.5%
 - Luminaire power consumption: 152W (driver included), 84.5lm/W
 - UGR 20



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 ≤ 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