

FLAT MOON LED 670 (RECESSED)

Description

Round shaped LED luminaire for ceiling recessed application. The rounded housing is made of an aluminium extruded profile that has been bent into the circular shape. The luminaire has a rim of 12mm to cover the ceiling opening.

The LED luminaire is fitted with 1 dedicated round LED PCB combined with 4 C-shaped LED PCB's which are placed on a white powder painted led holder plate. The PCB's contain in total 248 medium power LED's which are equally distributed on the surface.

The back of the housing contains a steel plate with the electronic LED driver and terminal block for easy connection to the mains.

A PMMA diffuser covers the front of the luminaire which results in a high efficient luminaire with no dottiness.

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

No visible screws or wires after installation.

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 matt black
- Driver plate in galvanized steel
- PMMA white diffuser

Technical characteristics

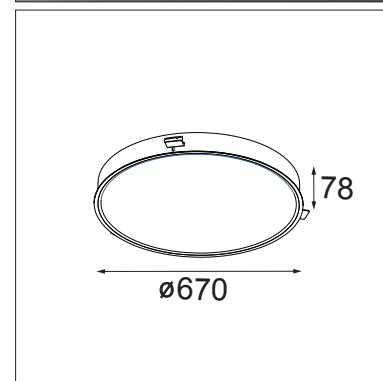
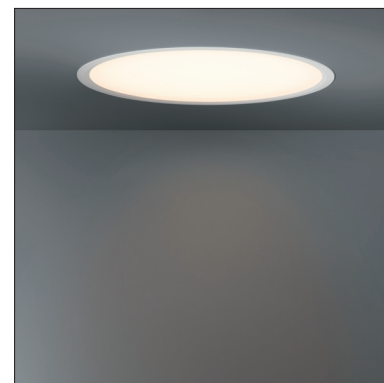
- Dimensions: $\varnothing 670\text{mm}$, H 78mm
- Circular PCB with medium power LED's
- Colour temperature: 2700K, 3000K or 4000K
- CRI 90+
- 3SDCM
- Luminaire output: 6232lm (for 3000K, and standard diffuser)
- Luminaire efficiency: 80.16%
- Luminaire power consumption: 68W (driver included), 91.6lm/W
- UGR 22
- 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

- RECESSED: Make a hole of $\varnothing 650\text{mm}$ in the ceiling. Electrical connection to mains with 5 pole terminal block (0.75 to 2.5mm^2) suitable for through wiring. Fix the luminaire in the ceiling with 3 galvanized steelplate brackets (included).

Accessories

- Prismatic front diffuser, PMMA. This results in a high efficient and low UGR rated luminaire that complies with the EN12464-1 office standard.
 - Luminaire output: 6015lm (for 3000K)
 - Luminaire efficiency: 77.4%
 - Luminaire power consumption: 68W (driver included), 88lm/W
 - UGR 19
- Ice Prismatic front diffuser, PMMA. This results in a high efficient and low UGR rated luminaire.
 - Luminaire output: 6022lm (for 3000K)
 - Luminaire efficiency: 77.5%
 - Luminaire power consumption: 68W (driver included), 88.6lm/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 60598-2-2:2012 - 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