

MARBULITO SUSPENSION JACK LED

Description

Spherical jack suspended LED luminaire, consisting of five main components: the LED housing, an electrical wire, a 8.5mm diameter low voltage jack plug, a glass lens and a connection tube.

The LED housing contains a small matt black painted innerring, for optimal visual comfort.

The luminaire is fitted with 2 meter coaxial wire.

The luminaire does not contain a LED driver, so has to be combined with an appropriate constant current LED driver (350mA or 500mA).

The male low voltage jack plug needs to be plugged in a compatible female 8.5mm receptor.

Only for indoor use, IP20 protection class.

No visible screws or wiring after installation.

Materials

- Aluminium LED housing and connection tube, finished with a scratch resistant fine textured powder coating in white or matt black
- Optic: glass lens 28°
- Innerring: aluminium, finished with scratch resistant powder coating in matt black
- Jack plug: black POM
- Suspension wire: coaxial 2x0.5mm² (FEP+PVC insulation) matt black

Technical characteristics

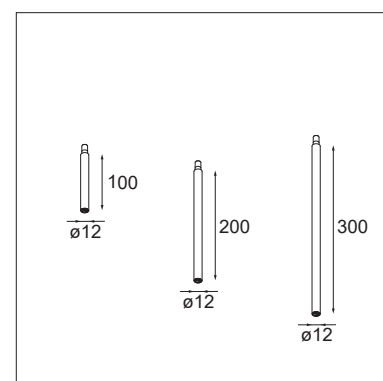
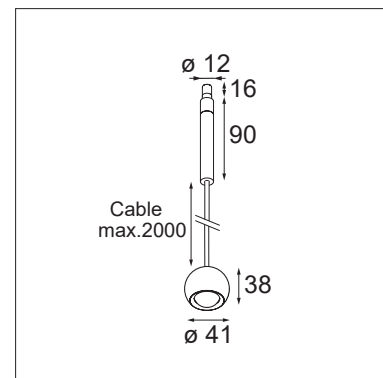
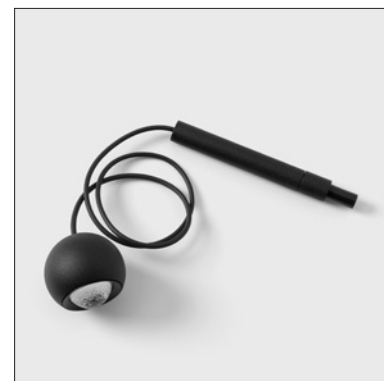
- Dimension: $\varnothing 41\text{mm}$
- Optic: medium (28°) spherical lens
- COB high-power LED
- Colour temperature: 2700K or 3000K
- CRI90+
- 3SDCM
- Luminaire output: 332lm (for 3000K and white structure painted luminaire @500mA)
- Power consumption: 4.3W
- Luminaire efficiency: 74%
- For connection to an electronic constant current LED driver: choose from driver matrix
- Class 3
- Only for indoor use (IP20)
- 960°C glow wire rated
- Lifetime: L80 B20 @50.000 hours
- Warranty period: 5 years on LEDs, 2 years on drivers

Installation

For installation on a compatible $\varnothing 8.5\text{mm}$ female low voltage jack plug system

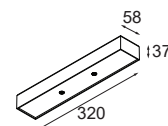
Accessories

- Ceiling base (available in rectangular and round shape) with integrated (dimmable/connected) led drivers and integrated 8,5mm female low voltage plugs
- 8.5mm male/female sticks in 10, 20 and 30cm length. These sticks can be used to extend the jack luminaires

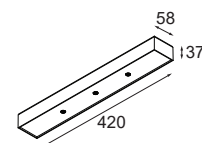




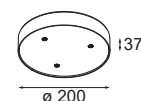
CEILING BASE RECTANGULAR 2X



CEILING BASE RECTANGULAR 3X



CEILING BASE ROUND 3X



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