

# MINUDE 45 SUSPENSION JACK LED

## Description

Cylindrical suspended jack LED luminaire, consisting of five main components: the body, a cable, an 8.5mm diameter male low voltage jack plug, a glass lens and a connection tube.

The housing contains the aspherical lens for optimum beam shape.

The luminaire is fitted with 2 meter coaxial cable.

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 after installation.

## Materials

- Aluminium body finished in fine-textured scratch-resistant powder coating matt black or matt white. Also available in bronze, silver bronze, gold, champagne and matt black sanded anodization and in black chrome high gloss finish
- Aluminium connection tube, finished with a scratch resistant fine textured powder coating in white or matt black
- Aspherical lens optic in glass
- Aluminium backplate, finished in scratch resistant matt black powder coating
- Aluminium heatsink, finished in black electroplating
- Internal leaf springs: stainless steel
- Ledholder: black polycarbonate
- Jack plug: black POM
- Suspension cable: coaxial 2x0.5mm<sup>2</sup> (FEP+PVC insulation) matt black

## Technical characteristics

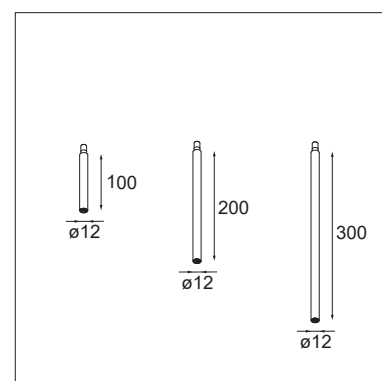
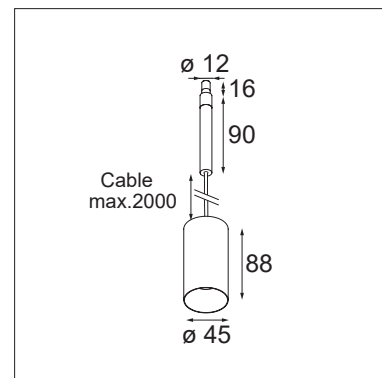
- Dimensions:  $\varnothing 45$  mm x 88 mm ( $\varnothing$  x h)
- Lens: medium 30°
- COB high-power LED
- Colour temperature: 2700K or 3000K
- CRI90+
- 2SDCM
- Luminaire output: 610lm (for 3000K and white structure painted luminaire @500mA)
- Luminaire efficiency: 62%
- Power consumption: 8.5W (@500mA, driver excluded)
- UGR 13
- For connection to an electronic constant current LED driver: choose from driver matrix
- Class 3
- 960°C glow wire rated
- Only for indoor use (IP20)
- Warranty period: 5 years on LEDs, 2 years on drivers; L80 B20 @50.000 hours

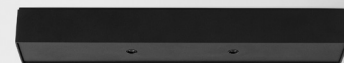
## Installation

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

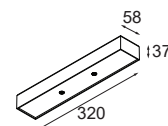
## Accessories

- 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

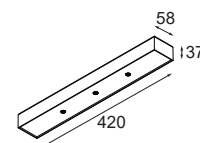




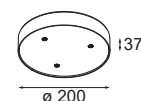
CEILING BASE RECTANGULAR 2X



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