

EXTRUDED STRIPPED TRACK 48V SUSPENDED 46

Description

An architectural, cylindrical high-power LED pendant luminaire.

The luminaire consists of 4 main components: a ribbed extruded tube, a LED module, an adapter tube and a 48V low voltage adapter.

The adapter contains the electronic convertor (DALI or 1-10V) that converts 48V DC into a constant current.

The ribbed tube contains the LED module. The LED module contains a high-power COB LED, an aluminium miniaturized flood reflector (40°), a heatsink, a prismatic polycarbonate diffusor and a frontring.

The luminaire comes with 2 meter matt black power cable and is connected to the adapter tube.

The power cable can be shortened according the need of pending height.

Available in three tube lengths: 300mm, 600mm and 900mm.

The luminaire is available in many rich anodized colours or in matt white powder coating.

No visible screws after installation.

Only for indoor use, IP20 protection class.

Materials

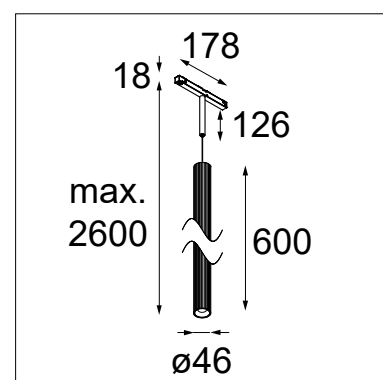
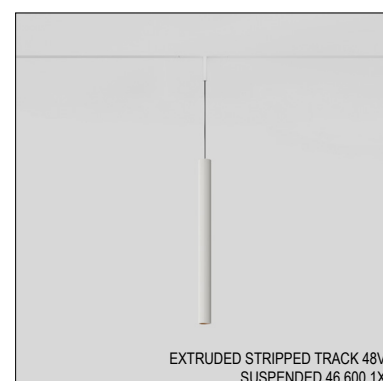
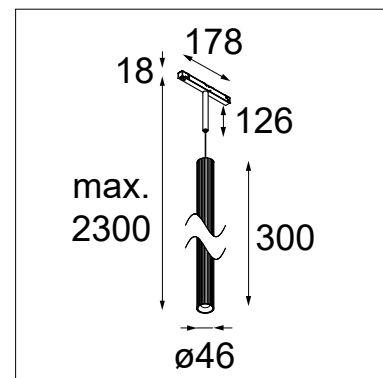
- Aluminium ribbed extruded tube, anodized or powder coated. Available anodization colours: black, bronze, or champagne. Or finished in fine-structured scratch-resistant grey white powder coating.
- Aluminium adapter tube, finished in scratch-resistant powder coating
- Aluminium reflector, high gloss
- Aluminium heatsink, finished in black electroplating
- Aluminium frontring and back cover plate, both finished in matt black spraypaint
- Internal leaf springs: stainless steel
- Microprismatic polycarbonate LED optical layer
- Ledholder: black polycarbonate
- Power cable: 2-pole FEP/TPE, 2x 0,6mm², matt black, outer diameter 4.4mm
- Adapter: polycarbonate black or white

Technical characteristics

- Dimensions: ø46mm and length 300mm/600mm/900mm (tube)
- Reflector flood beam angle (40°)
- COB high-power LED
- Colour temperature: 2700K, 3000K or warmdim (1800-3000K)
- CRI90+
- 2SDCM
- Luminaire output: 794lm (3000K)
- Power consumption: 10.3W (driver included)
- Luminaire efficacy: 77lm/W (driver included)
- Luminaire efficiency: 79% (3000K)
- UGR 25.8 (@500mA, 3000K)
- Available with 1-10V or DALI dimmable driver
- Class 3
- Only for indoor use (IP20)
- Glow Wire Rating: 960°C
- Lifetime: L80 B20 @50.000 hours
- Warranty period: 5 years on LEDs and LED drivers

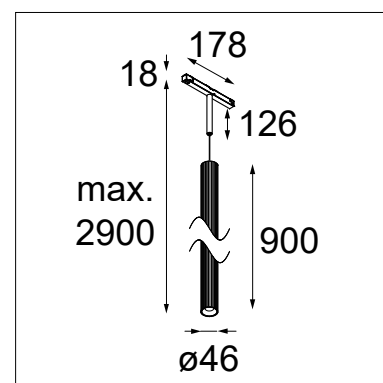
Installation

For installation in a single phase low voltage (48VDC) dimmable magnetic track



Accessories

- none



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