

Description

Tubular shaped suspension mounted LED luminaire, consisting of 4 main components: a ceiling unit, a 2-pole feedcord, a tubular shaped lamp unit and a dedicated LED PCB.

The ceiling base (with or without integrated LED driver) is used to suspend the 2 meter black feedcord.

Only for indoor use, IP 20 protection class.

No visible screws after installation.

Materials

- Feedcord: 2x0.6mm², FEP inner insulation, TPE outer sheath, matt black finish
- Ceiling base (with integrated LED driver):
 - Spinned aluminium, sanded and anodized in black, bronze, silver bronze or champagne. Also available in a fine-textured scratch-resistant matt black or matt white powder paint finish. The galvanized sheetmetal ceiling plate includes stainless steel leaf springs
- Ceiling base (without integrated LED driver):
 - Black polycarbonate ceiling plate
 - Diecasted aluminium cover plate in a fine-textured scratch-resistant matt black or matt white powder paint finish
- Lamp unit: Spinned aluminium, sanded and anodized in black, bronze, silver bronze or champagne. Also available in a fine-textured scratch-resistant matt black or matt white powder paint finish
- LED: dedicated PCB \varnothing 36mm, fitted with 12x 3030 medium power LED's
- Ledholder: white PBT
- Heatsink: diecasted aluminium, black electroplated
- Diffusor: 3-layered hand-blown white diffuse glass

Technical characteristics

- Dimensions driver excluded version:
 - lampunit: \varnothing 60mm, h 90mm – ceiling plate: \varnothing 89mm, h 3.5mm
- Dimensions driver included version:
 - lampunit: \varnothing 60mm, h 90mm – ceiling housing: \varnothing 60mm, h 165mm
- Colour temperatures: available in 2700K, 3000K and warm dim
- CRI90+
- 3SDCM
- Luminaire output: +/-600lm (depending on the type of glass accessory)
- Power consumption: 9W (driver included), 6.3W (driver excluded)
- Available with integrated driver, suitable for trailing edge, 1-10V, pushdim or DALI dimming
- The LED driver excluded version requires an electronic constant current driver, choose from driver matrix
- Class 1 (driver integrated version), Class 3 (driver excluded version)
- 960°C glow wire rated
- Only for indoor use (IP20)
- Lifetime: L80B20 @50.000 hours
- Warranty period: 5 years on LED lamps, 2 years on drivers

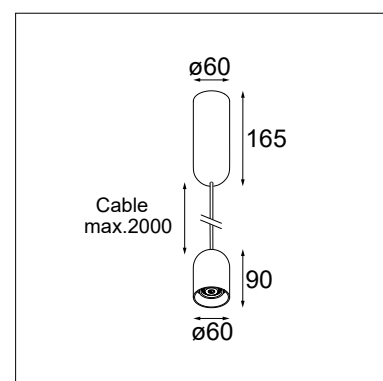
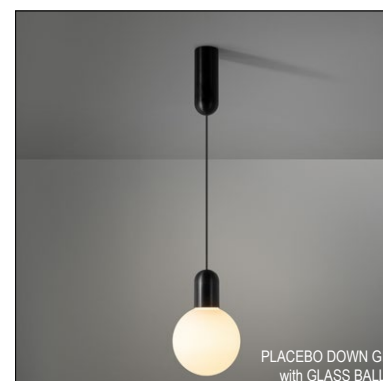
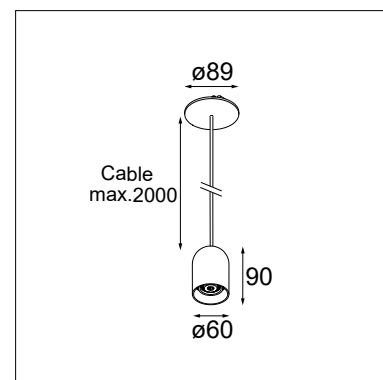
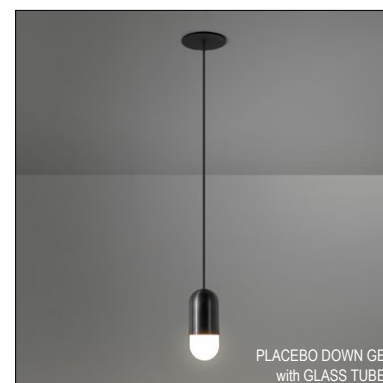
Installation

Driver excluded version:

- Drill a recess hole of \varnothing 54mm in the ceiling
- Cut the feedcord to the appropriate length. Connection to suitable LED driver via two splicing connectors (included with product)
- Mount the polycarbonate ceiling base with maximum 4 chipboard screws of max. \varnothing 4.5mm (not included)
- Click the aluminium finishing cover on the polycarbonate ceiling base

Driver included version:

- Mount the ceiling bracket to the ceiling with 3 chipboard screws of max. \varnothing 4.5mm (not included)
- Electrical connection to the mains by means of three 3-pole splicing connectors for wire sections from 0.2 to 4mm² (included with product)
- Slide the aluminium ceiling housing on the springs of the bracket



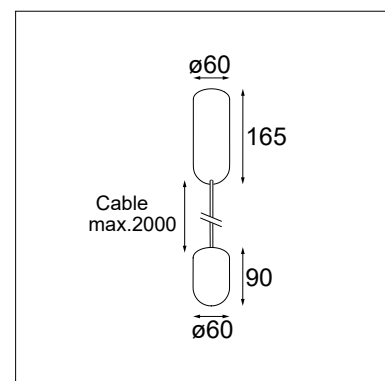
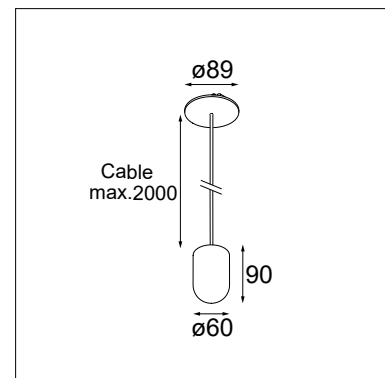
Accessories

Tubular or ball shaped glasses are required.

Each shape comes in two sizes: the tubular in lengths of 46mm and 130mm (both $\varnothing 55\text{mm}$), the ball shaped are available in $\varnothing 90\text{mm}$ and $\varnothing 155\text{mm}$.

All sizes and shapes come in 2 variants to choose from: up or downwards lighteffect.

The glasses are mounted on the lamp unit by a single click and twist movement.



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