

## Description

Cylindrical or elliptical electrical and mechanical deep-recessed female connection point for LED luminaires that are fitted with a compatible 8.5mm male jack connector.  
The connection point contains a miniaturized female connector of 8.5mm that is fitted with 150mm black and red leads. Only suitable for low voltage, direct current LED applications (<60 Vdc).  
The connection point is available in two variants: for trimless or trimmed recessed installation, both available in a single or double point version.  
No visible screws after installation.  
Only for indoor use, IP20 protection class.

## Materials

- Aluminium body finished in fine-textured scratch-resistant powder coating matt black or matt white
- Female connector body: black POM
- Torsion springs (trimmed version): stainless steel
- Leaf springs (trimless version): stainless steel

## Technical characteristics

- Dimensions:  
Trimmed version:
  - 1 lamps  $\varnothing 90\text{mm} \times 78\text{mm}$  (H) for cut-out hole of  $\varnothing 83\text{mm} \times 110\text{mm}$  (H)
  - 2 lamps  $180\text{mm} \times 90\text{mm} \times 78\text{mm}$  (L x W x H), for cut-out hole of  $\varnothing 83\text{mm}$  (2x) x  $173\text{mm}$  (L) x  $110\text{mm}$  (H)
- Trimless version:
  - 1 lamps  $\varnothing 81.5\text{mm} \times 70\text{mm}$  (H) for use with trimless ring
  - 2 lamps  $171\text{mm} \times 81.5\text{mm} \times 70\text{mm}$  (L x W x H), for use with trimless ring
- For connection to an electronic constant current LED driver: choose from driver matrix for suitable dimensions, wattage and type of dimming
- Warranty period: 5 years on LED and LED drivers
- Glowwire rating: 960°C
- Class 3, only for SELV (<60Vdc)
- Only for indoor use (IP20)

## Installation

For use with compatible LED luminaires.

Trimmed version:

In case of false ceiling (in wood, plasterboard, ...): Installation by means of 2 torsion springs that hold the luminaire in the recess hole. The torsion springs are suitable for ceiling thickness from 1 to 50mm. No extra installation accessories needed.

Trimless version:

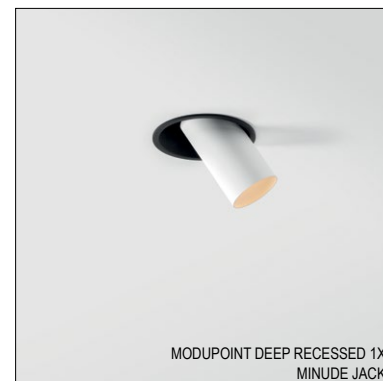
Always to be combined with a trimless recessed ring, concrete kit or gypkit accessory, in which the luminaire clicks by means of 4 leaf springs. The concrete kit (used in case of poured concrete) or gypkit (used in case of ceilings that are plastered afterwards) needs to be combined with a conbox (concrete box) which can also hold the LED driver.

Electrical connection: connection to LED driver via 2 leads (red and black, 150mm each) and two splicing connectors suitable for stranded and solid wires from  $0.2\text{mm}^2$  to  $4\text{mm}^2$  (24-12 AWG) (included with product).

## Installation

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