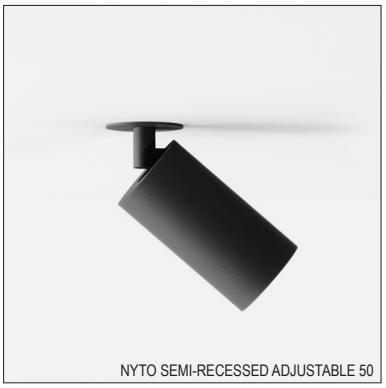
NYTO SEMI-RECESSED ADJUSTABLE 50 1X

MODULAR LIGHTING — INSTRUMENTS

Description

Cylindrical, adjustable surface LED luminaire to be installad in a recess hole. The luminaire consists of a main body on which the COB LED is screwed. The LED is fitted with a collimator TIR lens for optimal beam shape, optical efficiency and low glare. Available in spot, medium and flood beam angle. The TIR lens is held in place in the housing by means of a front ring. The back side of the luminaire's main body holds the pivoting rod that enables the luminaire to be adjusted and holds the ceiling plate. The ceiling plate holds on top two leaf springs which keep the luminaire in the ceiling recess.
The luminaire can be rotated 360° around the adapter and 90° around the rod.
For connection to a suitable constant current driver.
Suitable for indoor use, IP20 rated.
No visible screws or wiring.



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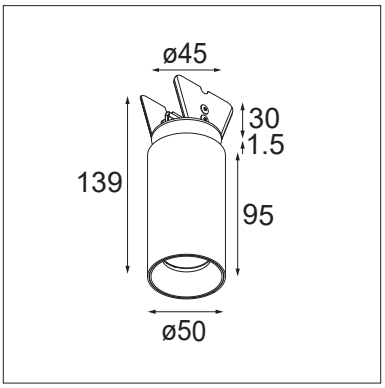

Materials

- Main body, pivoting rod: aluminium finished in fine-textured scratch-resistant powder coating matt black or matt white. Any other RAL/NCS finish possible on request.
- Ceiling plate: sheetmetal steel, finished in fine-textured scratch-resistant powder coating matt black or matt white.
- Front ring: aluminium finished in matt black scratch-resistant powder coating
- TIR collimator, transparent polycarbonate
- Ledholder: white polycarbonate
- Internal leafsprings: stainless steel

Technical characteristics

- Dimensions: ø50 mm x 95 mm (ø x H excl. ceiling plate and pivoting rod)
- Lens: super spot (11°), spot (17°), medium (28°), flood (44°) or wide flood (56°)
- COB high-power LED
- Colour temperature: 2700 K, 3000 K or warmdim (1800-3000K)
- CRI90+
- 2SDCM
- Luminaire output: 1205lm (@900mA, for 3000K and white structure painted luminaire, medium beam angle)
- Luminaire efficiency: 84% (for 3000K and white structure painted luminaire, medium beam angle)
- Power consumption: 17W (@900mA, for 3000K and white structure painted luminaire, medium beam angle)
- Luminaire efficacy: 71 lm/W (@900mA, for 3000K and white structure painted luminaire, medium beam angle)
- UGR 13 (@900mA, for 3000K and white structure painted luminaire, medium beam angle)
- For connection to an electronic constant current LED driver: choose from driver matrix
- Class 3
- Only for indoor use (IP20)
- Glow wire rating: 960°C
- Lifetime: L80 B20 @50.000 hours
- Warranty period: 5 years on LEDs, 5 years on drivers

Installation

- Ceiling plate mounted with two leafsprings in the recess hole (ø40, height 50mm)
- Electrical connection: connection to a suitable constant current LED driver via 2 leads (red and black, 300mm each) and two splicing connectors suitable for stranded and solid wires from 0.2mm² to 4mm² (24-12 AWG) (included with product)

Accessories

- Installation housing and Plaster Kit available suitable for installation in structural and false ceilings/ walls

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