

REKTOR TRACK 48V ADJUSTABLE 54X46 1X

REKTOR TRACK 48V ADJUSTABLE 54X46 2X

Description

Rectangular shaped 48V track mounted LED luminaire, consisting of three main components: the LED housing/heatsink, an inner and outer U-shaped bracket and a 48V low voltage adapter. The adapter contains the electronic converter (DALI or 1-10V) that converts 48V DC into a constant current. The LED housing connects to the inner U-shaped bracket via 2 invisible screws, allowing the LED housing to pivot vertically +110°/-110°. The outer U shaped bracket is connected to the inner U-shaped bracket with 2 invisible screws and connects the LED housing to the adapter. The LED housing can be rotated 360 degrees horizontally. The LED housing contains the COB LED source. The high-gloss aluminium reflector enables a high optical efficiency. The clear polycarbonate cover protects the LED and reflector from dust. Available in a single and double lamp unit version. Only intended for indoor use (IP20 protection grade). No visible wiring after installation.

Materials

- LED housing, backplate of LED housing, inner & outer U-shaped profile: aluminium, finished with a scratch resistant fine textured powder coating in white or matt black
- Optic: high-gloss aluminium reflector, available in medium or flood beam angle
- Protection cover: clear polycarbonate, thickness 2mm
- Adapter: polycarbonate black or white

Technical characteristics

- Dimensions: 57mm x 50mm x 71mm (L x B x H excl. adapter)
- COB high-power LED
- Colour temperature: 2700K, 3000K or Warmdim (1800-3000K)
- CRI90+
- 3SDCM
- Luminaire output: 576lm per lampunit (for 3000K, medium beam angle and white structure painted luminaire)
- Luminaire efficiency: 77.65% (for 3000K, medium beam angle and white structure painted luminaire)
- Luminaire efficacy: 77 lm/W (for 3000K, medium beam angle and white structure painted luminaire)
- Power consumption: 7.8W (single lamp version), 13W (double lamp version) (driver included)
- Available with 1-10V or DALI driver
- Power: 48V DC
- Class 3
- Only for indoor use (IP20)
- Lifetime: L80 B20 @50.000 hours
- Warranty period: 5 years on LEDs, 5 years on drivers
- Glow wire rating: 960°C

Installation

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

Accessories

Following accessories can all be mounted on the front of the LED body by means of a 'click', no tools needed:

- Snoot for increased lighting comfort and reduced glare
- Crossblade increased lighting comfort and reduced glare
- Honeycomb increased lighting comfort and reduced glare

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

