

Description

U-shaped custom LED line for continuous direct or optional indirect lighting.

The unit consists of a base with PMMA diffuser, PC diffuser or transparent PMMA diffuser in combination with prismatic polycarbonate or aluminium cover plate.

The LED lines can be fitted with lenses to create various light projections in compliance with the EN12464-1 office standard.

The base can be surface-mounted, recessed or suspended.

Materials

- Base and front cover: aluminium either anodised or with a scratch resistant fine textured powder coating in matt white or matt black
- End plates: aluminium either anodised or with a scratch resistant fine textured powder coating in matt white or matt black
- Lenses: PMMA
- Diffusers: PMMA or polycarbonate

Technical characteristics

- Dimensions: 100 mm x 75 mm (H x W)
- Average base thickness: 1.5 mm
- Suitable for a continuous light line with high-power LED line modules of 3500 lm/m, 2600 lm/m or 1750 lm/m
- The top can be equipped with an indirect LED strip (1200 lm/m in 2700K/4000K in CRI90+)
- Colour temperature of LED lines: 2700K, 3000K or 4000K
- CRI of LED lines: 90+
- Binning of LED lines: 3SDCM
- Luminaire output with LED lines: 3500 lm/m, 2600 lm/m or 1750 lm/m
- Luminaire efficiency: 65% or more (depending on the type of diffuser and lens)
- Power consumption: 30.7 W/m @ 3500 lm/m
- The UGR value varies between UGR 11 and UGR 22 (values depend on the type of lens, type of diffuser and the output per meter)
- Control options with electronic LED drivers: non-dimmable/1-10V/Dali-Pushdim or drivers preprogrammed to a dim setting
- Warranty period: 5 years on LED lamps, 2 years on drivers

Installation

- Fully tested and preinstalled halogen-free wiring. Ready to connect to mains electricity via any connection point.
- Drivers and LED lines are preinstalled in the unit and easy to replace with a click system.
- Surface mounted: universal chipboard screws, maximum \varnothing 4.5 mm
- Recessed: steel mounting brackets
- Suspended: Y suspension set and steel cable available separately. Height adjusted at ceiling side.

Accessories

- Suspension set with steel cable, transparent 3, 5 or 7 pole power cable, matt white/black textured or grey polyester powder coated aluminium ceiling mounts.
- Emergency units for LED lines available on request

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 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 \leq 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 \leq 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

