



L	255 mm
A	174 mm
H	360 mm

ILLUMINOTECHNICAL

Luminous efficiency 100% (DLOR 99%, ULOR 1%).
 Initial luminous flux of the luminaire 573 lm.
 Downward bilateral wide distribution.
 Beam angle: 43° - 168°.
 Luminous efficacy 87 lm/W.
 Lifetime (L95/B10): 30000 h. (tq+25°C)
 Lifetime (L90/B10): 50000 h. (tq+25°C)
 Lifetime (L80/B10): 100000 h. (tq+25°C)
 Sudden decreased luminous flux after 50000 hours: 0% (C0).
 Photobiological safety in compliance with IEC/TR 62778: RG1 low risk, (IEC 62471).
 In compliance with IEC/EN 62722-2-1 - IEC/EN 62717 standards.

SOURCE

LED module 4W/840.
 CIE 13.3 Colour rendering index: CRI >80 (R9 <50%).
 IES TM-30 Fidelity Index: Rf = 84 Rg = 95.
 CCT nominal colour temperature 4000 K.
 Colour initial tolerance (MacAdam): SDCM 3.

MECHANICAL

Self-extinguishing V2 polycarbonate housing, injection moulded, RAL 7035 grey.
 Base in stainless steel, for rapid installation and disinstallation of luminaire without tools (by 4 stainless steel side clips).
 4 M8 threaded rods, 10 cm long, made of AISI 304 stainless steel, fixed to the base.
 Flow recuperator in specular aluminium with superficial titanium-magnesium treatment, non-iridescent.
 Diffuser in transparent self-extinguishing V2 polycarbonate, UV stabilised, injection moulded with smooth outer surface and differentiated prismatic inner surface.
 Sealing gaskets between housing and diffuser in ecological anti-aging EPDM.
 Diffuser safety seal with 2 luminaires on the side to attach it to the housing, in stainless steel.
 Resistance to overpressure and underpressure of 5 kPa, due to train transit.
 Luminaire with limited surface temperature. - D - (EN 60598-2-24)
 Dimensions: 255x174 mm, height 360 mm. Weight 3.55 kg.
 IP66 protection degree.
 Mechanical strength to impacts IK10 (20 joule).
 Glow-wire test resistance 850°C.

ELECTRICAL

Halogen Free DALI electronic wiring 230V-50/60Hz, power factor 0.70, THD <25%, constant output current, SELV, class II, 1 driver, 1 DALI addresse.
 Power of the luminaire 6.6 W.
 ENEC - CE.
 SAFE FLICKER: PstLM=<1 and SVM=<0.4 (IEC TR 61547-1 and IEC TR 63158), to ensure a more comfortable and safe light.
 Ambient temperature from -15°C to +50°C.
 Temperature class T6 max 85°C.
 Power supply via entry/exit connection, with 2x6 mm² section and double quick-connect circular connector, included with the lighting fixture, made of thermoplastic material with UL 94 V0 fire resistance, IP65 protection degree, operating current 16 A, operating voltage 500 V, test voltage 6 kV 1.2/50 μs (peak value), mechanical strength to impacts IK07.
 The connectors, located on both sides of the luminaire, are supplied complete with both the closing elements, to be used during storage or when not in use, and all the accessories necessary for connecting the cables to the 230Vac backbone, allowing power supply in enter-exit mode.
 Relative humidity UR: <85%.

INSTALLATION

Wall.

APPLICATIONS

LED lighting fixture for installation in railway tunnels longer than 500 m, suitable for illuminating escape routes in case of emergency.
 Bilateral controlled distribution allows to optimise the lighting uniformity on pedestrian walkways.

LIGHT MANAGEMENT

Conveyed wave regulation according to G3-PLC protocol and interoperability according to RFI specifications.

WARNING

Luminaire designed for disposal/recycling at end-of-life.
 Replaceable (LED only) light source by a professional. Replaceable control gear by a professional.

Performances are measured and certified by our CTFs2 Photometric Laboratory (EN 13032, IES LM79); Test and Inspections (EN IEC 60598-1, CISPR 15, IEC 61547). Due to the technological evolution of the electronic components, the data provided may be updated, and as such, confirmation must be requested during the order process. Luminous flux and power supply have +/-10% tolerances with respect to the indicated value. tq +25°C (CIE 121).

Dimensions and specifications subject to alterations without notice.

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