

MAIN CHARACTERISTICS

Applications	Safety or signaling lighting for bypass doors
Color	Customizable
Material	Stainless steel body
Protective shield	Polycarbonate
Standard dimensions	1000mm x 24mm x 20mm 1950mm x 24mm x 20mm
Weight	Max 1.0 Kg (1000mm) Max 2.0 Kg (1950mm)
Protection degree	IP 65
Insulation class	SELV
Mounting	Ceiling or wall
N° LED	16 LED dim. 1000mm 32 LED dim. 1950mm
LED Efficacy⁽¹⁾	61 lm/W - @ 150 mA, T _j = 25 °C
Rated voltage	Max 48VDC
Power	Max 5W per meter
Power factor	cosφ ≥ 0.9
Operating temperature	-40 / 100* °C

*Tests carried out for 120 hours in Phaenomena laboratories (for external wiring the operating temperature is -40/+75°C)



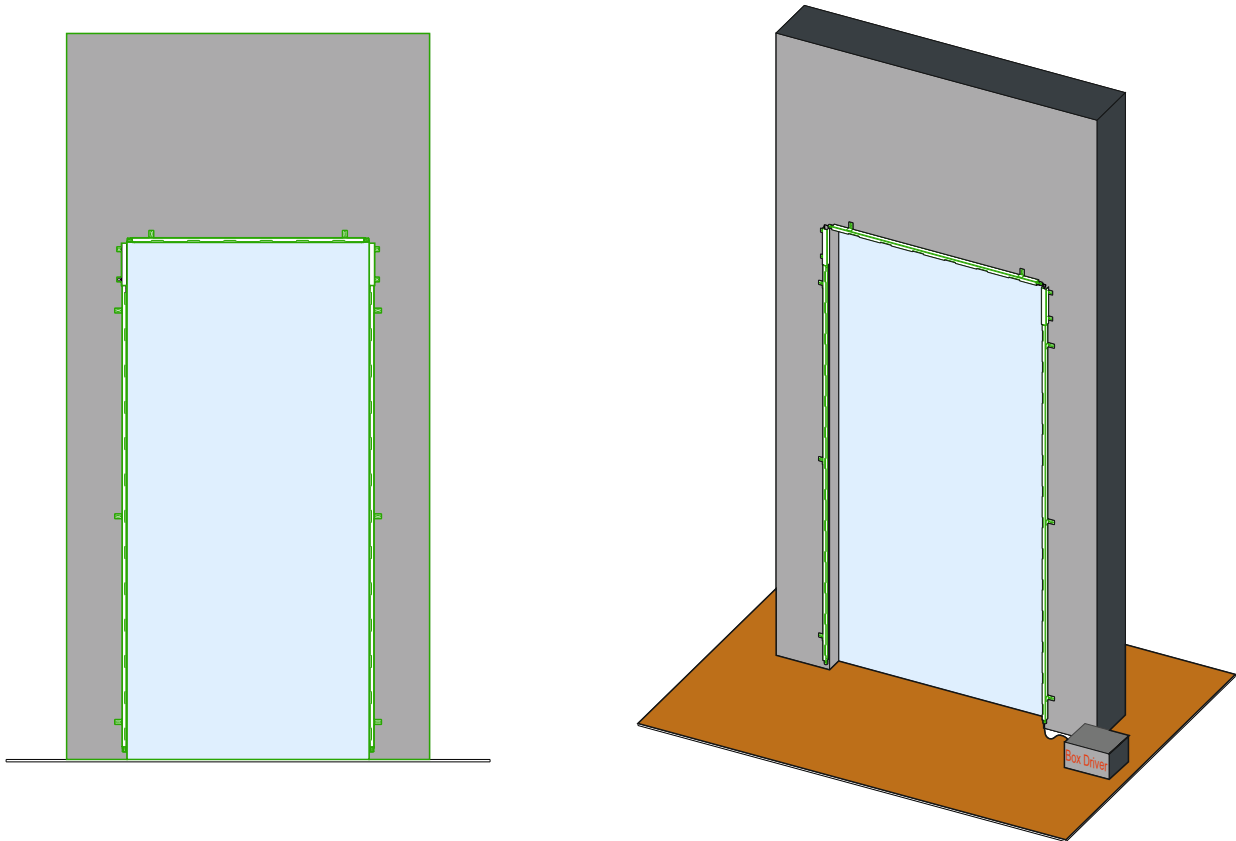
DESCRIPTION

LED lighting fixture used for safety lighting or signaling tunnel bypass doors, underpasses, industrial, road, subway, railway doors in case of emergency. The complete system is made up of 2 lateral light bars and one above the fire door, the bars are made up of an extruded polycarbonate profile and inserted inside a stainless steel case for wall fixing, closed on both sides with caps and cable glands. Resistant profiles with IP65 protection rating. Lamp body in insulation class III. Continuous connection via outgoing cable with cable gland. Power supply mounted in the zone panel or cockpit adjacent to the system. LED module composed of an aluminum substrate with high efficiency LEDs. The 24/48VDC constant voltage power supply is wired into the adjacent zone or cockpit panel. Efficiency ≥90% at full load, power factor cosφ ≥ 0.9. Certification CE.

Main Reference Standards

EN 60598-1: Luminaires - Part 1: General requirements and tests.
 EN 60598-2-3 Special Requirements - Luminaires for Street Lighting
 IEC/TR 62778: Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires
 EN 55015: Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
 EN 61000-3-2: Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions.
 EN 61000-3-3: Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems
 EN 61547: Equipment for general lighting purposes - EMC immunity requirements
 EN 13032-1: Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 1: Measurement and file format.
 UNI 11095:2021: Light and lighting - Road tunnel lighting
 UNI EN 16276: Evacuation lighting in road tunnels
 CEI 64-20: Electrical installations in road tunnels
 Legislative Decree No. 264/2006: Implementation of Directive 2004/54/CE on safety for road and trans-European network tunnels.
 Datasheet according to IEC/PAS 62717 - IEC/PAS 62722





LIGHTING DATA

Lighting	Emergency lighting on bypass doors designed to illuminate and signal the presence of safety compartments in the event of an emergency.
LED Color	Green
Luminous Flux Issued	About 640 lm - dim. 1000mm (141 lm/W) ⁽¹⁾ About 1280 lm - dim. 1950mm (141 lm/W) ⁽¹⁾

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NOTE: The values indicated in this sheet are nominal, to be considered with a tolerance of +/- 10%.
For the nominal luminous flux, the minimum value emitted by the LED GW PSLM32.UL JT - L2 was considered
⁽¹⁾Efficiency extrapolated from the LED manufacturer datasheet.

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The characteristics of the product listed are subject to change and will be confirmed when ordering.