
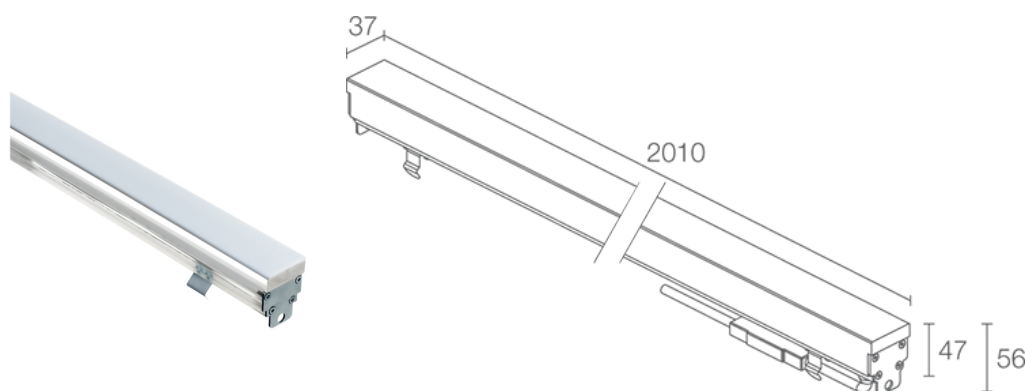
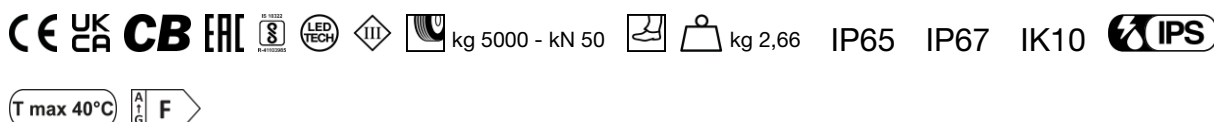


Made in Italy

 **Rio 2.4, code: RE24005DB**
Linear profiles for outdoor applications

30/08/2025 Rev. 24/2024



DESCRIPTION

linear profile for outdoor applications; drive-over up to 5000 kg; walkover; recessed (ceiling, wall, floor); Power consumption: 38W; Power supply: 24Vdc; Lumen output at source: 4224 lm (2800K); Delivered lumen output: 1160 lm (2800K); 384 low-power SMD LEDs, 3-step MacAdam, 50 000h L95 B10 (Ta 25°C); LED colour: 2800K; Optics: diffuse: optical system consisting of light sources placed in a line on a rigid electronic circuit; CRI Colour Rendering Index: 80; Body material: body and screen made of co-extruded opal PMMA to provide high strength combined with high aesthetics. Caps in AISI 316L stainless steel and screws in A4 stainless steel; Seals: silicone rubber O-rings with anti-ageing treatment for an excellent mechanical seal; power supply unit not included; includes 1.5 m neoprene cable, H05RN-F 2x0,35/0,75 Ø6,3 mm; Ingress protection: IP65, IP67; Impact resistance: IK10; drive-over up to 5000 kg with aluminium casing, drive-over up to 500 kg with stainless steel casing. Non-standard lengths available on request; Casambi control using the Casambi app with dedicated electronics; Protection systems: IPS (Intelligent Protection System) protects lighting fixtures from water infiltrations, which can occur if there are faulty junctions between the cables in outdoor or underwater applications. This innovation, patented by L&L, also guarantees electrical protection against polarity reversal, hot plugging, ESD and power surges, which can occur if there are faults in the electrical circuit; Operating temperature: -20°C — +45°C; Maximum device temperature: 40°C (Ta 25°C); Photobiological safety: photobiological safety: risk group 1 according to EN 62471:2006; Appliance class: class III; Weight: 2660 g; Dimensions: 2010x38x51 mm; Energy efficiency class: F (light source) in accordance with EU 2019/2015; Accessories: WC8224 Aluminium outer casing - 2015 mm, WC8254 Stainless steel outer casing - 2014 mm, WC8424 Aluminium outer casing for plasterboard - 2015 mm, WN6002 U-shaped brackets pair, WN6005 Alignment kit for outer casing, WN6006 Pair of extractors for outer casings, WN8011 Alignment kit for stainless steel outer casings, WN8102 Anti-fall kit; tested and approved via E.O.L. (End Of Line) test with functioning test and check of electrical power consumption

Status: Available

ELECTRICAL CHARACTERISTICS

| | |
|-------------------|--------------------------------|
| Power consumption | 38W |
| Power supply | 24Vdc |
| Power supply unit | power supply unit not included |

LIGHTING CHARACTERISTICS

| | |
|----------------------------|---------------------------|
| Number and type of LED | 384 low-power SMD LEDs |
| Average LED life | 50 000h L95 B10 (Ta 25°C) |
| LED colour | 2800K |
| CRI Colour Rendering Index | 80 |
| Binning | 3-step MacAdam |
| Optics | diffuse |
| Lumen output at source | 4224 lm (2800K) |
| Delivered lumen output | 1160 lm (2800K) |

MECHANICAL CHARACTERISTICS

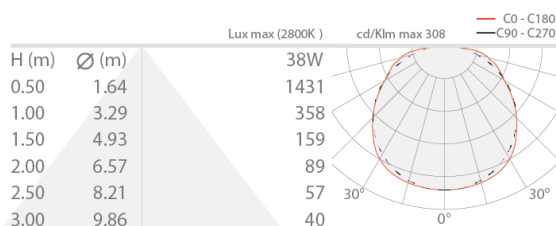
| | |
|---------------|--|
| Dimensions | 2010x38x51 mm |
| Weight | 2660 g |
| Mounting | with outer casing |
| Body material | body in PMMA, screen in opal PMMA, end caps in AISI 316L stainless steel |

GENERAL CHARACTERISTICS

| | |
|----------------------------|--|
| Ingress protection | IP65, IP67 |
| Operating temperature | -20°C — +45°C |
| Impact resistance | IK10 |
| Energy efficiency class | F (light source) in accordance with EU 2019/2015 |
| Maximum device temperature | 40°C (Ta 25°C) |
| Appliance class | class III |
| Walkover | yes |
| Drive-over | up to 5000 kg |
| Power cables | includes 1.5 m neoprene cable, H05RN-F 2x0,35/0,75 Ø6,3 mm |
| Protection systems | IPS (Intelligent Protection System) |
| Photobiological safety | photobiological safety: risk group 1 according to EN 62471:2006 |
| Notes | drive-over up to 5000 kg with aluminium casing, drive-over up to 500 kg with stainless steel casing. Non-standard lengths available on request; Casambi control using the Casambi app with dedicated electronics |

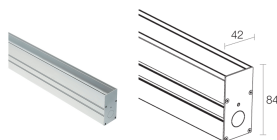
PHOTOMETRIC DATA

D – Diffuse



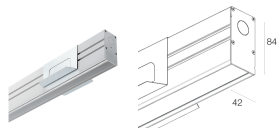
ACCESSORIES

Installation Accessories



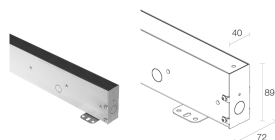
WC8224

Aluminium outer casing - 2015 mm
 drive-over: kg 5000 / kN 50



WC8424

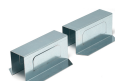
Aluminium outer casing for plasterboard - 2015 mm



WC8254

Stainless steel outer casing - 2014 mm
 drive-over: kg 500 / kN 5

Other



WN6002

U-shaped brackets pair



WN6006

Pair of extractors for outer casings



WN6005

Alignment kit for outer casing



WN8011

Alignment kit for stainless steel outer casings

**WN8102**

Anti-fall kit

L&L Luce&Light SRL reserves the right to change the information contained in this document at any time without prior notice being given.