

Made in Italy

Rio 1.4, code: RE14005DB
Linear profiles for outdoor applications

17/07/2024 Rev. 27





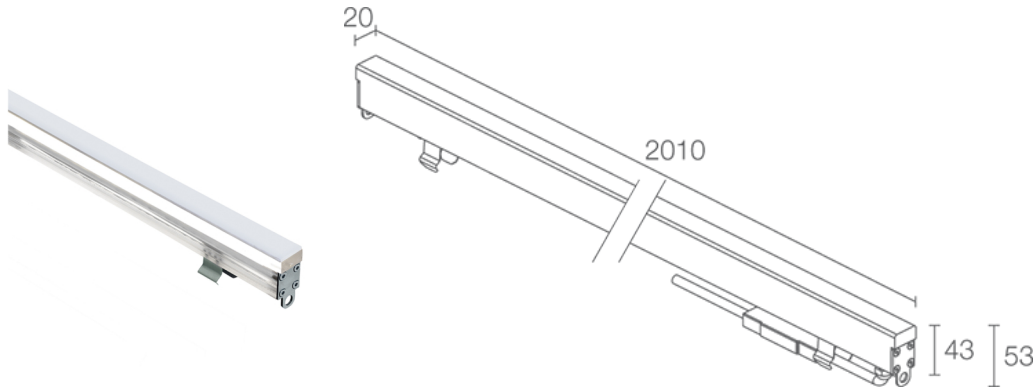







CASAMBI

T max 40°C 



DESCRIPTION

linear profile for outdoor applications; drive-over up to 5000 kg; recessed (ceiling, wall, floor); Power consumption: 24W; Power supply: 24Vdc; Lumen output at source: 2688 lm (2800K); Delivered lumen output: 560 lm (2800K); 192 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: 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: 1500 g; Dimensions: 2010x20x43 mm; Energy efficiency class: F (light source) in accordance with EU 2019/2015; Accessories: WC8114 Aluminium outer casing - 2015 mm, WC8154 Stainless steel outer casing - 2014 mm, WC8314 Aluminium outer casing for plasterboard - 2015 mm, WN6005 Alignment kit for outer casing, WN6006 Pair of extractors for outer casings, WN8003 U-shaped brackets pair, WN8011 Alignment kit for stainless steel outer casings, WN8101 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 | 24W |
| Power supply | 24Vdc |
| Power supply unit | power supply unit not included |

LIGHTING CHARACTERISTICS

| | |
|----------------------------|---------------------------|
| Number and type of LED | 192 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 | 2688 lm (2800K) |
| Delivered lumen output | 560 lm (2800K) |

MECHANICAL CHARACTERISTICS

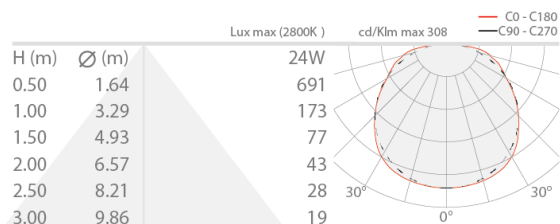
| | |
|---------------|--|
| Dimensions | 2010x20x43 mm |
| Weight | 1500 g |
| Mounting | with outer casing |
| Body material | body in PMMA, screen in opal PMMA, end caps in AISI 316L stainless steel |

GENERAL CHARACTERISTICS

| | |
|----------------------------|--|
| Ingress protection | 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 |

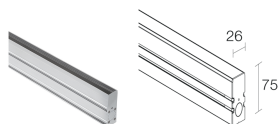
PHOTOMETRIC DATA

D – Diffuse



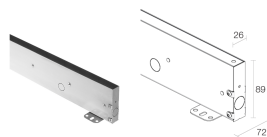
ACCESSORIES

Installation Accessories



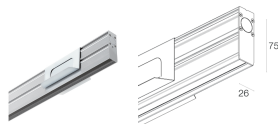
WC8114

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



WC8154

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



WC8314

Aluminium outer casing for plasterboard - 2015 mm

Other



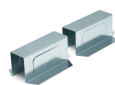
WN6005

Alignment kit for outer casing



WN6006

Pair of extractors for outer casings



WN8003

U-shaped brackets pair



WN8011

Alignment kit for stainless steel outer casings



WN8101
Anti-fall kit

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