Made in Italy

31/10/2026 Rev. 25/2024

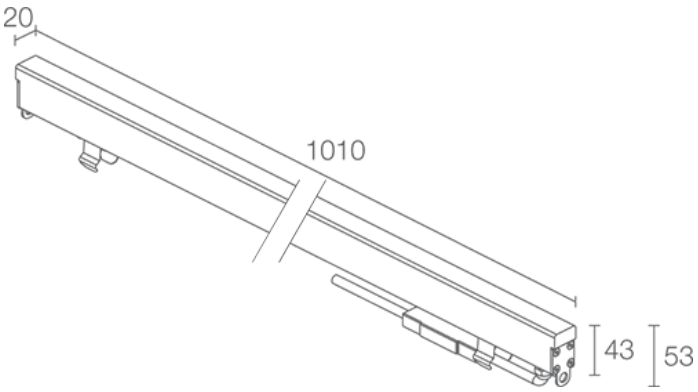
Rio 1.2, code: RE12005DB

Linear profiles for outdoor applications

kg 5000 - kN 50 kg 0,82 IP65 IP67 IK10

T max 40°C





DESCRIPTION

linear profile for outdoor applications; drive-over up to 5000 kg; walkover; recessed (ceiling, wall, floor); Power consumption: 12W; Power supply: 24Vdc; Lumen output at source: 1344 lm (2800K); Delivered lumen output: 280 lm (2800K); 96 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; 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: 820 g; Dimensions: 1010x20x43 mm; Energy efficiency class: F (light source) in accordance with EU 2019/2015; Accessories: WC8112 Aluminium outer casing - 1014 mm, WC8152 Stainless steel outer casing - 1013 mm, WC8312 Aluminium outer casing for plasterboard - 1014 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

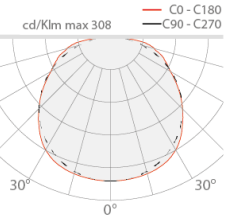
Status: Available

ELECTRICAL CHARACTERISTICS	
Power consumption	12W
Power supply	24Vdc
Power supply unit	power supply unit not included
LIGHTING CHARACTERISTICS	
Number and type of LED	96 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	1344 lm (2800K)
Delivered lumen output	280 lm (2800K)
MECHANICAL CHARACTERISTICS	
Dimensions	1010x20x43 mm
Weight	820 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

PHOTOMETRIC DATA

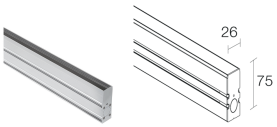
D – Diffuse

H (m)	∅ (m)	Lux max (2800K) 12W	cd/Klm max 308
0.50	1.64	345	
1.00	3.29	86	
1.50	4.93	38	
2.00	6.57	22	
2.50	8.21	14	
3.00	9.86	10	

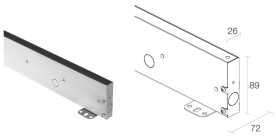


ACCESSORIES

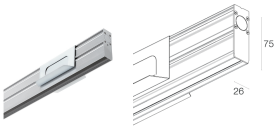
Installation Accessories



WC8112
Aluminium outer casing - 1014 mm
drive-over: kg 5000 / kN 50



WC8152
Stainless steel outer casing - 1013 mm
drive-over: kg 500 / kN 5



WC8312
Aluminium outer casing for plasterboard - 1014 mm

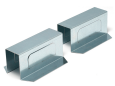
Other



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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