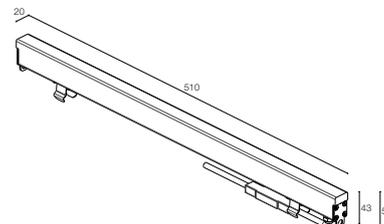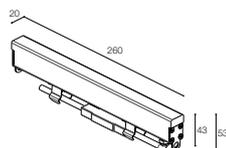**Luce&Light**
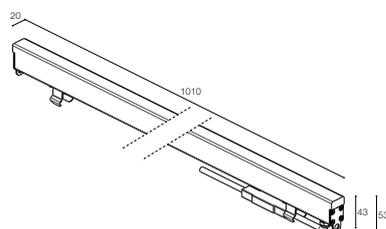
Made in Italy

Rio 1.0 - Rio 1.1 - Rio 1.2 - Rio 1.3 - Rio 1.4
Outdoor linear profile / Profili lineari da esterno

CE LED TECH III **IP67** Kg 5000* Kg 0,21 Kg 0,42 Kg 0,83 Kg 1,28 Kg 1,50 **IK10** A A+ A++ IPS

Rio 1.0

Rio 1.1
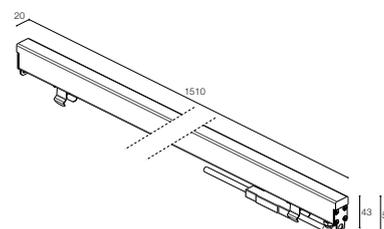
Rio 1.2

Rio 1.3

Rio 1.4

PHOTOMETRIC DATA
DATI FOTOMETRICI

Rio 1.0

D - Diffuso / Diffuse

Lux max (2800K)   cd/klm max308

— C0 - C180
— C90 - C270

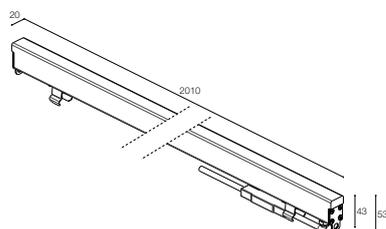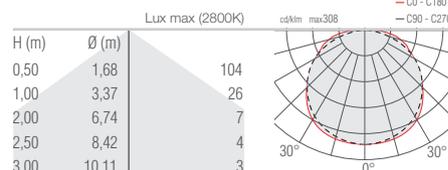| H (m)	Ø (m)	
0,50	1,68	104
1,00	3,37	26
2,00	6,74	7
2,50	8,42	4
3,00	10,11	3

DESCRIPTION

Linear profile for outdoor applications, driveover up to 5000 kg* (only with aluminium outer casing); recessed (ceiling, wall, floor); body in PMMA, end caps in AISI 316L stainless steel, screen in opal PMMA; 24 (Rio 1.0), 48 (Rio 1.1), 96 (Rio 1.2), 144 (Rio 1.3), 192 (Rio 1.4) SMD low power LED; 3W (Rio 1.0), 6W (Rio 1.1), 12W (Rio 1.2), 18W (Rio 1.3), 24W (Rio 1.4) - 24Vdc; RGB: 4.5W (Rio 1.0), 8.5W (Rio 1.1), 17W (Rio 1.2), 26W (Rio 1.3), 34W (Rio 1.4) - 24Vdc; includes 1.5 m neoprene cable, H05RN-F 2x0.35/0.75 Ø6.3 mm; RGB: includes 1,5 m FEP+PCP cable (equivalent to H05RN-F cable) 4x0.50/0.50 Ø6.3 mm; total delivered lumens: 70 lm (Rio 1.0), 140 lm (Rio 1.1), 280 lm (Rio 1.2), 420 lm (Rio 1.3), 560 lm (Rio 1.4) (2800K); RGB: 50 lm (R 11 lm, G 32 lm, B 7 lm, Rio 1.0), 100 lm (R 22 lm, G 64 lm, B 14 lm, Rio 1.1), 200 lm (R 44 lm, G 128 lm, B 28 lm, Rio 1.2), 300 lm (R 66 lm, G 192 lm, B 42 lm, Rio 1.3), 400 lm (R 88 lm, G 256 lm, B 56 lm, Rio 1.4); diffuse optics; LED colour: white - 2600K, 2800K, 3700K, RGB; ingress protection: IP67; impact resistance: IK10; equipped with IPS; operating temperature: -20°C +45°C; screen temperature: max 40°C (Ta 25°C); photobiological safety: risk group 1 in accordance with EN62471:2009; appliance class: III; weight: 0.21 kg (Rio 1.0), 0.42 kg (Rio 1.1), 0.83 kg (Rio 1.2), 1.28 kg (Rio 1.3), 1.50 kg (Rio 1.4); dimensions: 260x20x53 mm (Rio 1.0), 510x20x53 mm (Rio 1.1), 1010x20x53 mm (Rio 1.2), 1510x20x53 mm (Rio 1.3), 2010x20x53 mm (Rio 1.4); dimming using a 24Vdc dimmer; accessories: aluminium outer casing TCB110 (Rio 1.0), WC8111 (Rio 1.1), WC8112 (Rio 1.2), WC8113 (Rio 1.3), WC8114 (Rio 1.4), outer casing for plasterboard WC8310 (Rio 1.0), WC8311 (Rio 1.1), WC8312 (Rio 1.2), WC8313 (Rio 1.3), WC8314 (Rio 1.4), stainless steel outer casing WC8150 (Rio 1.0), WC8151 (Rio 1.1), WC8152 (Rio 1.2), WC8153 (Rio 1.3), WC8154 (Rio 1.4), anti-fall kit WN8101, alignment kit for aluminium outer casings WN6005, alignment kit for stainless steel outer casings WN8011.

DESCRIZIONE

Profilo lineare da esterno, carrabile fino a 5000 kg* (solo con cassaforma in alluminio); a incasso (soffitto, parete, pavimento); corpo in PMMA, testate in acciaio inox AISI 316L, schermo in PMMA opalino; 24 (Rio 1.0), 48 (Rio 1.1), 96 (Rio 1.2), 144 (Rio 1.3), 192 (Rio 1.4) SMD low power LED; 3W (Rio 1.0), 6W (Rio 1.1), 12W (Rio 1.2), 18W (Rio 1.3), 24W (Rio 1.4) - 24Vdc; RGB: 4,5W (Rio 1.0), 8,5W (Rio 1.1), 17W (Rio 1.2), 26W (Rio 1.3), 34W (Rio 1.4) - 24Vdc; incluso cavo in neoprene di 1,5 m H05RN-F 2x0,35/0,75 Ø6,3 mm; RGB: incluso cavo in FEP+PCP (equivalente a H05RN-F) di 1,5 m 4x0,50/0,50 Ø6,3 mm; flusso totale: 70 lm (Rio 1.0), 140 lm (Rio 1.1), 280 lm (Rio 1.2), 420 lm (Rio 1.3), 560 lm (Rio 1.4) (2800K); RGB: 50 lm (R 11 lm, G 32 lm, B 7 lm, Rio 1.0), 100 lm (R 22 lm, G 64 lm, B 14 lm, Rio 1.1), 200 lm (R 44 lm, G 128 lm, B 28 lm, Rio 1.2), 300 lm (R 66 lm, G 192 lm, B 42 lm, Rio 1.3), 400 lm (R 88 lm, G 256 lm, B 56 lm, Rio 1.4); ottica diffusa; colore LED: bianco - 2600K, 2800K, 3700K, RGB; grado di protezione: IP67; grado di resistenza: IK10; dotato di sistema IPS; temperatura di esercizio: -20°C +45°C; temperatura schermo: max 40°C (Ta 25°C); sicurezza fotobiologica: gruppo rischio 1 secondo EN62471:2009; classe di isolamento III; peso: 0,21 kg (Rio 1.0), 0,42 kg (Rio 1.1), 0,83 kg (Rio 1.2), 1,28 kg (Rio 1.3), 1,50 kg (Rio 1.4); dimensioni: 260x20x53 mm (Rio 1.0), 510x20x53 mm (Rio 1.1), 1010x20x53 mm (Rio 1.2), 1510x20x53 mm(Rio 1.3), 2010x20x53 mm (Rio 1.4); dimmerazione disponibile mediante dimmer in linea 24Vdc; accessori: cassaforma in alluminio WC8110 (Rio 1.0), WC8111 (Rio 1.1), WC8112 (Rio 1.2), WC8113 (Rio 1.3), WC8114 (Rio 1.4), cassaforma per cartongesso WC8310 (Rio 1.1), WC8311 (Rio 1.1), WC8312 (Rio 1.2), WC8313 (Rio 1.3), WC8314 (Rio 1.4), cassaforma in acciaio inox WC8150 (Rio 1.0), WC8151 (Rio 1.1), WC8152 (Rio 1.2), WC8153 (Rio 1.3), WC8154 (Rio 1.4), kit anticaduta WN8101, kit di allineamento casseforme in alluminio WN6005, kit di allineamento casseforme in acciaio inox WN8011.

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E lucelight@lucelight.it / www.lucelight.it

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ELECTRICAL FEATURES / *CARATTERISTICHE ELETTRICHE*

Power consumption *Potenza assorbita*	Rio 1.0: 3W - Rio 1.1: 6W - Rio 1.2: 12W - Rio 1.3: 18W - Rio 1.4: 24W RGB: Rio 1.0: 4,5W - Rio 1.1: 8,5W - Rio 1.2: 17W - Rio 1.3: 26W - Rio 1.4: 34W
Power supply *Alimentazione*	24Vdc; RGB: 24Vdc
Power supply unit *Alimentatore*	Not included *Non incluso*
Dimming *Dimmerazione*	Dimming using a 24Vdc dimmer (optional) *Dimmerazione disponibile mediante dimmer in linea 24Vdc (opzionale)*
Connection *Collegamento*	Parallel *Parallelo*

LIGHTIN FEATURES / *CARATTERISTICHE ILLUMINOTECNICHE*

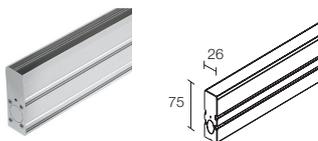|	
No. and type of LED / *N° e tipo di LED*	Rio 1.0: 24 SMD low power LED; RGB: SMD full colour LED Rio 1.1: 48 SMD low power LED; RGB: SMD full colour LED Rio 1.2: 96 SMD low power LED; RGB: SMD full colour LED Rio 1.3: 144 SMD low power LED; RGB: SMD full colour LED Rio 1.4: 192 SMD low power LED; RGB: SMD full colour LED
Average LED life / *Duratura media LED*	80% after 50.000 h
LED colour *Colore LED*	White - 2600K, 2800K, 3700K, RGB *Bianco - 2600K, 2800K, 3700K, RGB*
CRI *Indice resa cromatica CRI*	>80
Binning *Selezione*	3 Step MacAdam
Optics *Ottiche*	diffuse *diffusa*
Total delivered lumens *Flusso totale apparecchio*	Rio 1.0: 70 lm (2800K), Rio 1.1: 140 lm (2800K), Rio 1.2: 280 lm (2800K), Rio 1.3: 420 lm (2800K), Rio 1.4: 560 lm (2800K) RGB: 50 lm (R 11 lm, G 32 lm, B 7 lm, Rio 1.0), 100 lm (R 22 lm, G 64 lm, B 14 lm, Rio 1.1), 200 lm (R 44 lm, G 128 lm, B 28 lm, Rio 1.2), 300 lm (R 66 lm, G 192 lm, B 42 lm, Rio 1.3), 400 lm (R 88 lm, G 256 lm, B 56 lm, Rio 1.4)

MECHANICAL FEATURES / *CARATTERISTICHE MECCANICHE*

Dimensions / *Dimensioni*	Rio 1.0: 260x20x53 mm Rio 1.1: 510x20x53 mm Rio 1.2: 1010x20x53 mm Rio 1.2: 1510x20x53 mm Rio 1.4: 2010x20x53 mm
Weight / *Peso*	Rio 1.0: 0,21 kg, Rio 1.1: 0,42 kg, Rio 1.2: 0,83 kg, Rio 1.3: 1,28 kg, Rio 1.4: 1,50 kg
Finishes *Finiture*	-
Installation *Fissaggio*	With outer casing *Con cassaforma*
Body material *Materiale corpo*	body in PMMA, end caps in 316L Stainless steel *corpo in PMMA, testate in acciaio inox AISI 316L*
Screen material *Materiale schermo*	opal PMMA *PMMA opalino*
Cut-out size / *Foro d'incasso*	Rio 1.0: 26x264 mm (WC8110, WC8310), 72x263 mm (WC8150) Rio 1.1: 26x514 mm (WC8111, WC8311), 72x513 mm (WC8151) Rio 1.2: 26x1014 mm (WC8112, WC8312), 72x1013 mm (WC8152) Rio 1.3: 26x1515 mm (WC8113, WC8313), 72x1514 mm (WC8153) Rio 1.4: 26x2015 mm (WC8114, WC8314), 72x2014 mm (WC8154)

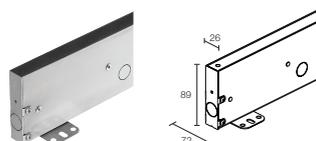## GENERAL FEATURES / *CARATTERISTICHE GENERALI*

Operating temperature / *Temperatura di esercizio*	from -20 °C to +45 °C
Ingress protection / *Grado di protezione*	IP67
Impact resistance / *Grado di resistenza*	IK10
Energy efficiency class *Classe di consumo energetico*	A/A+/A++ (built-in LED lamps) in accordance with EU 874/2012 *A/A+/A++ (modulo LED integrato) in accordo con UE 874/2012*
Glow wire test / *Glow wire test*	-
Screen temperature / *Temperatura schermo*	Max 40°C (Ta 25°C)
Appliance class / *Classe di isolamento*	Class III / Classe III
Walkover / *Calpestabile*	Yes / Sì
Drive-over / *Carrabile*	Yes, up to 5000Kg* (only with aluminium outer casing) *Sì, fino a 5000Kg* (solo con cassaforma in alluminio)*
Power cables *Cavi di alimentazione*	includes 1,5 m neoprene cable, H05RN-F 2x0,35/0,75 Ø6,3 mm RGB: includes 1,5 m FEP+PCP cable (equivalent to H05RN-F cable), 4x0,50/0,50 Ø6,3 mm *incluso cavo in neoprene di 1,5 m H05RN-F 2x0,35/0,75 Ø6,3 mm* *RGB: incluso cavo in FEP+PCP (equivalente a H05RN-F) di 1,5 m, 4x0,50/0,50 Ø6,3 mm*
Standard safety *Sicurezza standard*	IPS included (corrugated pipe Ø20 min) *IPS incluso (utilizzare corrugato Ø20 min)*
Photobiological safety *Sicurezza fotobiologica*	Risk group 1 in accordance with EN62471:2009 *Gruppo rischio 1 secondo EN62471:2009*

For installation / *Per installazione*

WC8110 -   264 mm - Rio 1.0
WC8111 -   514 mm - Rio 1.1
WC8112 - 1014 mm - Rio 1.2
WC8113 - 1515 mm - Rio 1.3
WC8114 - 2015 mm - Rio 1.4

Aluminium outer casing
Cassaforma in alluminio

WC8150 -   263 mm - Rio 1.0
WC8151 -   513 mm - Rio 1.1
WC8152 - 1013 mm - Rio 1.2
WC8153 - 1514 mm - Rio 1.3
WC8154 - 2014 mm - Rio 1.4

Stainless steel outer casing
Cassaforma in acciaio inox

WC8310 -   264 mm - Rio 1.0
WC8311 -   514 mm - Rio 1.1
WC8312 - 1014 mm - Rio 1.2
WC8313 - 1515 mm - Rio 1.3
WC8314 - 2015 mm - Rio 1.4

Aluminium outer casing for plasterboard
Cassaforma in alluminio per cartongesso

WN8101

Anti-fall kit
Kit anticaduta

WN6005

Alignment kit for aluminium outer casings
Kit di allineamento cassaforme in alluminio

WN8011

Alignment kit for stainless steel outer casings
Kit di allineamento cassaforme in acciaio inox

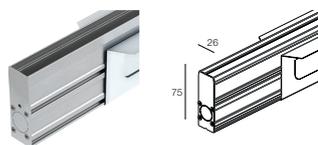## Cables / *Cavi*

LED colour: white / *Colore LED: bianco*
WF5205 - 5 m
WF5210 - 10 m
WF5215 - 15 m
WF5220 - 20 m

Neoprene cables / *Cavi in neoprene*
H05RN-F 2x0,35/0,75 Ø6,3 mm
IPS

LED colour: RGB / *Colore LED: RGB*
WF7505 - 5 m

FEP+PCP cables (equivalent to H05RN-F cable) /
Cavi in FEP+PCP (equivalente a H05RN-F)
4x0,50/0,50 Ø6,3 mm