

# designplan™

79 Trenton Avenue  
Frenchtown, NJ 08825

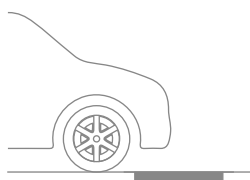
[www.designplan.com](http://www.designplan.com)

Tel: (908) 996-7710  
Fax: (908) 996-7042

◀ RIO 1  
2800K, 12W/m

# RIO

OUTDOOR LINEAR PROFILES  
FOR RECESSED LINES OF CONTINUOUS LIGHT



diffuse



2600K 2800K 3700K RGB



WIDTH 0.79"



WIDTH 1.46"

10.24" l



**RIO 1.0**

white light: 3W 24VDC  
RGB light: 4.5W 24VDC

**RIO 2.0**

white light: 5W 24VDC  
RGB light: 4.5W 24VDC

20.08" l



**RIO 1.1**

white light: 6W 24VDC  
RGB light: 8.5W 24VDC

**RIO 2.1**

white light: 10W 24VDC  
RGB light: 8.5W 24VDC

39.76" l



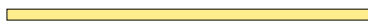
**RIO 1.2**

white light: 12W 24VDC  
RGB light: 17W 24VDC

**RIO 2.2**

white light: 19W 24VDC  
RGB light: 17W 24VDC

1510 mm



**RIO 1.3**

white light: 18W 24VDC  
RGB light: 26W 24VDC

**RIO 2.3**

white light: 29W 24VDC  
RGB light: 26W 24VDC

2010 mm



**RIO 1.4**

white light: 24W 24VDC  
RGB light: 34W 24VDC

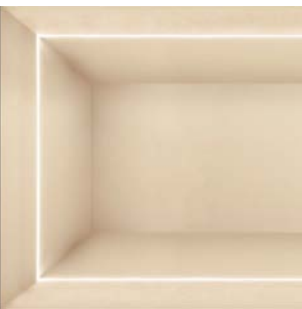
**RIO 2.4**

white light: 38W 24VDC  
RGB light: 34W 24VDC

< RIO 1  
2800K, 12W/m



NON-STANDARD  
LENGTHS AVAILABLE  
ON REQUEST



RECESSED MOUNTING  
IN CEILING, WALL  
OR GROUND USING  
SPECIAL OUTER CASING  
AND INSTALLATION KIT



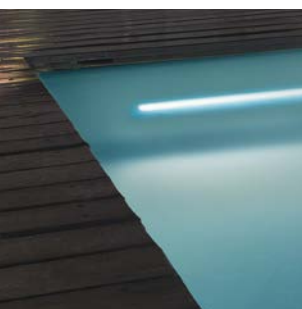
ALUMINUM  
OUTER CASING



STAINLESS STEEL  
OUTER CASING



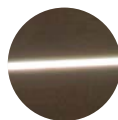
ALUMINUM OUTER  
CASING FOR  
PLASTERBOARD



UNDERWATER  
VERSION: RIO SUB



DRIVE-OVER UP  
TO 11,023 lbs  
(WITH ALUMINUM  
OUTER CASING)



NO DARK ZONE  
BETWEEN FIXTURES



# RIO

## UNIQUE SELLING POINTS

IP67

SUITABLE  
FOR OUTDOOR  
APPLICATIONS



RGB VERSION



BUILT-IN  
PROTECTION  
SYSTEMS:

IPS  
INTELLIGENT  
PROTECTION  
SYSTEM



BUILT-IN  
TEMPERATURE  
SENSOR, AND  
THERMAL  
MANAGEMENT  
IN CEM3

IK10

BODY AND SCREEN  
IN PMMA TO GUARANTEE  
HIGH RESISTANCE



< RIO 1.2  
2800K, 12W

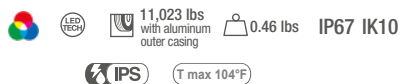
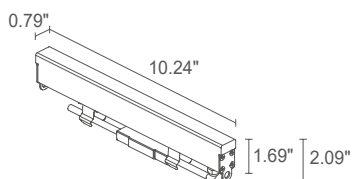
Light planning by / Alve Iluminación  
Plaza del Parrote, A Coruña, Spain



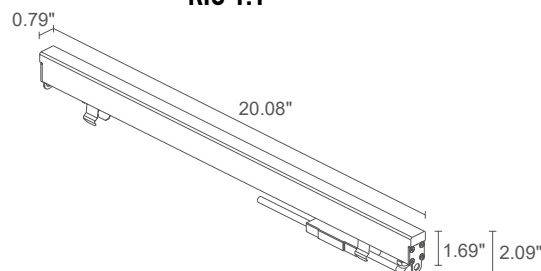
# RIO 1



## RIO 1.0



## RIO 1.1



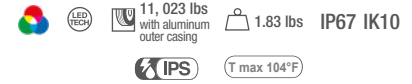
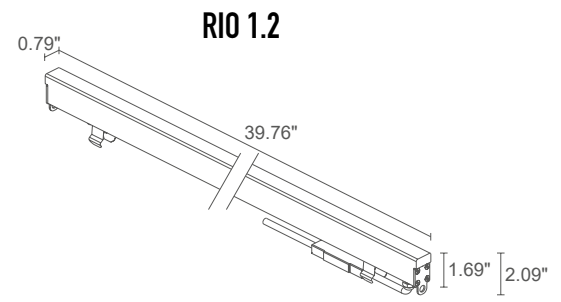
<b>POWER / POWER SUPPLY</b>	3W 24VDC white light 10.24" 4.5W 24VDC RGB light 10.24"
<b>MODEL NO.</b>	<b>RE1000</b> ■ <b>D B</b>
<b>LED COLOR</b>	<b>F</b> - 2600K <b>5</b> - 2800K <b>9</b> - 3700K <b>6</b> - RGB
<b>OPTICS</b>	diffuse
<b>LUMEN OUTPUT AT SOURCE</b>	336 lm (2800K) RGB: 70 lm, R: 15 lm G: 45 lm B: 10 lm
<b>DELIVERED LUMEN OUTPUT</b>	70 lm (2800K) RGB 50 lm: (R) 11 lm, (G) 32 lm, (B) 7 lm
<b>NO. AND TYPE OF LED</b>	24 SMD low-power LEDs 3-step MacAdam RGB: SMD full-color LED 50,000h L95 B10 (Ta 25°C)
<b>MATERIAL</b>	body in PMMA lens in opal PMMA end caps in AISI 316L stainless steel
<b>POWER SUPPLY UNIT</b>	remote power supply required, not included
<b>POWER CABLES</b>	includes 4.92' neoprene cable H05RN-F 2x0.01"/0.03" Ø0.25" RGB: includes 4.92' FEP+PCP cable (equivalent to H05RN-F) 4x0.02"/0.02" Ø0.25"
<b>MOUNTING</b>	recessed (ceiling, wall, ground)
<b>ACCESSORIES</b>	see accessories page
<b>NOTES</b>	underwater version: Rio Sub 1 non-standard lengths available on request

<b>POWER / POWER SUPPLY</b>	6W 24VDC white light 20.08" 8.5W 24VDC RGB light 20.08"
<b>MODEL NO.</b>	<b>RE1100</b> ■ <b>D B</b>
<b>LED COLOR</b>	<b>F</b> - 2600K <b>5</b> - 2800K <b>9</b> - 3700K <b>6</b> - RGB
<b>OPTICS</b>	diffuse
<b>LUMEN OUTPUT AT SOURCE</b>	672 lm (2800K) RGB 140 lm: (R) 30 lm, (G) 90 lm, (B) 20 lm
<b>DELIVERED LUMEN OUTPUT</b>	140 lm (2800K) RGB 100 lm: (R) 22 lm, (G) 64 lm, (B) 14 lm
<b>NO. AND TYPE OF LED</b>	48 SMD low-power LEDs 3-step MacAdam RGB: SMD full-color LED 50,000h L95 B10 (Ta 25°C)
<b>MATERIAL</b>	body in PMMA lens in opal PMMA end caps in AISI 316L stainless steel
<b>POWER SUPPLY UNIT</b>	remote power supply required, not included
<b>POWER CABLES</b>	includes 4.92' neoprene cable H05RN-F 2x0.01"/0.03" Ø0.25" RGB: includes 4.92' FEP+PCP cable (equivalent to H05RN-F) 4x0.02"/0.02" Ø0.25"
<b>MOUNTING</b>	recessed (ceiling, wall, ground)
<b>ACCESSORIES</b>	see accessories page
<b>NOTES</b>	underwater version: Rio Sub 1, p. 684 non-standard lengths available on request



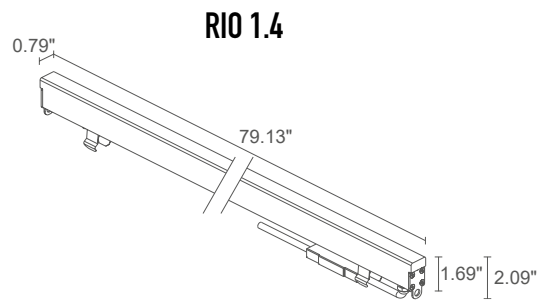
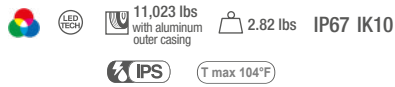
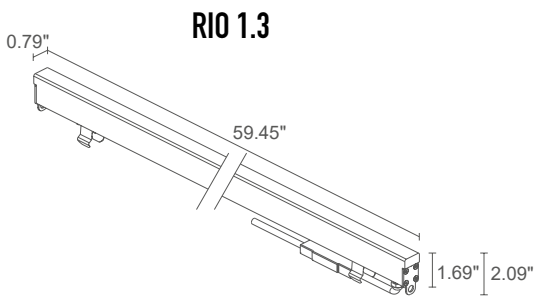
^  
RIO 1.4  
2800K, 24W

Light planning by / Lumidée  
Five Smíchov  
Prague, Czech Republic



<b>POWER / POWER SUPPLY</b>	12W 24VDC white light 39.76" 17W 24VDC RGB light 39.76"
<b>MODEL NO.</b>	<b>RE1200</b> ■ <b>D B</b>
<b>LED COLOR</b>	<b>F</b> - 2600K <b>5</b> - 2800K <b>9</b> - 3700K <b>6</b> - RGB
<b>OPTICS</b>	diffuse
<b>LUMEN OUTPUT AT SOURCE</b>	1344 lm (2800K) RGB 280 lm: (R) 60 lm, (G) 180 lm, (B) 40 lm
<b>DELIVERED LUMEN OUTPUT</b>	280 lm (2800K) RGB 200 lm: (R) 44 lm, (G) 128 lm, (B) 28 lm
<b>NO. AND TYPE OF LED</b>	96 SMD low-power LEDs 3-step MacAdam RGB: SMD full-color LED 50,000h L95 B10 (Ta 25°C)
<b>MATERIAL</b>	body in PMMA lens in opal PMMA end caps in AISI 316L stainless steel
<b>POWER SUPPLY UNIT</b>	remote power supply required, not included
<b>POWER CABLES</b>	includes 4.92' neoprene cable H05RN-F 2x0.01"/0.03" Ø0.25" RGB: includes 4.92' FEP+PCP cable (equivalent to H05RN-F) 4x0.02"/0.02" Ø0.25"
<b>MOUNTING</b>	recessed (ceiling, wall, ground)
<b>ACCESSORIES</b>	see accessories page
<b>NOTES</b>	underwater version: Rio Sub 1 non-standard lengths available on request

# RIO 1



18W 24VDC white light 20.08"  
26W 24VDC RGB light 20.08"  
**RE1300** ■ **D B**

- **F** - 2600K
- 5** - 2800K
- 9** - 3700K
- 6** - RGB

diffuse

2016 lm (2800K)  
RGB 420 lm: (R) 90 lm, (G) 270 lm, (B) 60 lm

420 lm (2800K)  
RGB 300 lm: (R) 66 lm, (G) 192 lm, (B) 42 lm

144 SMD low-power LEDs  
3-step MacAdam  
RGB: SMD full-color LED  
50,000h L95 B10 (Ta 25°C)

body in PMMA  
lens in opal PMMA  
end caps in AISI 316L stainless steel

remote power supply required, not included

includes 4.92' neoprene cable  
H05RN-F 2x0.01"/0.03" Ø0.25"  
RGB: includes 4.92' FEP+PCP cable  
(equivalent to H05RN-F) 4x0.02"/0.02" Ø0.25"

recessed (ceiling, wall, ground)

see accessories page

underwater version: Rio Sub 1  
non-standard lengths available on request

24W 24VDC white light 79.13"  
34W 24VDC RGB light 79.13"  
**RE1400** ■ **D B**

- **F** - 2600K
- 5** - 2800K
- 9** - 3700K
- 6** - RGB

diffuse

2688 lm (2800K)  
RGB 560 lm: (R) 120 lm, (G) 360 lm (B) 80 lm

560 lm (2800K)  
RGB 400 lm: (R) 88 lm, (G) 256 lm, (B) 56 lm

192 SMD low-power LEDs  
3-step MacAdam  
RGB: SMD full-color LED  
50,000h L95 B10 (Ta 25°C)

body in PMMA  
lens in opal PMMA  
end caps in AISI 316L stainless steel

remote power supply required, not included

includes 4.92' neoprene cable  
H05RN-F 2x0.01"/0.03" Ø0.25"  
RGB: includes 4.92' FEP+PCP cable  
(equivalent to H05RN-F) 4x0.02"/0.02" Ø0.25"

recessed (ceiling, wall, ground)

see accessories page

underwater version: Rio Sub 1  
non-standard lengths available on request



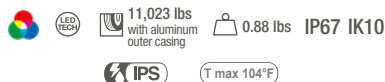
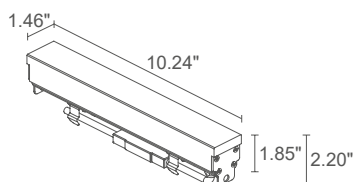


< RIO 2  
2800K, 19W/m, version with customized lengths  
Project by / AWP  
Light planning by / 8'18"  
Jardins de l'Arche, Paris, France

# RIO 2



## RIO 2.0



## RIO 2.1



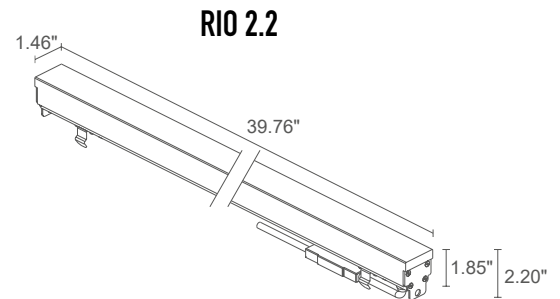
<b>POWER / POWER SUPPLY</b>	5W 24VDC white light 10.24" 4.5W 24VDC RGB light 10.24"
<b>MODEL NO.</b>	<b>RE2000</b> ■ <b>D B</b>
<b>LED COLOR</b>	<b>F</b> - 2600K <b>5</b> - 2800K <b>9</b> - 3700K <b>6</b> - RGB
<b>OPTICS</b>	diffuse
<b>LUMEN OUTPUT AT SOURCE</b>	528 lm (2800K) RGB 70 lm: (R) 15 lm, (G) 45 lm, (B) 10 lm
<b>DELIVERED LUMEN OUTPUT</b>	145 lm (2800K) RGB 50 lm: (R) 11 lm, (G) 32 lm, (B) 7 lm
<b>NO. AND TYPE OF LED</b>	48 SMD low-power LEDs 3-step MacAdam RGB: SMD full-color LED 50,000h L95 B10 (Ta 25°C)
<b>MATERIAL</b>	body in PMMA lens in opal PMMA end caps in AISI 316L stainless steel
<b>POWER SUPPLY UNIT</b>	remote power supply required, not included
<b>POWER CABLES</b>	includes 4.92' neoprene cable H05RN-F 2x0.01"/0.03" Ø0.25" RGB: includes 1.5 m FEP+PCP cable (equivalent to H05RN-F) 4x0.02"/0.02" Ø0.25"
<b>MOUNTING</b>	recessed (ceiling, wall, ground)
<b>ACCESSORIES</b>	see accessories page
<b>NOTES</b>	underwater version: Rio Sub 2 non-standard lengths available on request

<b>POWER / POWER SUPPLY</b>	10W 24VDC white light 20.08" 8.5W 24VDC RGB light 20.08"
<b>MODEL NO.</b>	<b>RE2100</b> ■ <b>D B</b>
<b>LED COLOR</b>	<b>F</b> - 2600K <b>5</b> - 2800K <b>9</b> - 3700K <b>6</b> - RGB
<b>OPTICS</b>	diffuse
<b>LUMEN OUTPUT AT SOURCE</b>	1056 lm (2800K) RGB 140 lm: (R) 30 lm, (G) 90 lm, (B) 20 lm
<b>DELIVERED LUMEN OUTPUT</b>	290 lm (2800K) RGB 100 lm: (R) 22 lm, (G) 64 lm, (B) 14 lm
<b>NO. AND TYPE OF LED</b>	96 SMD low-power LEDs 3-step MacAdam RGB: SMD full-color LED 50,000h L95 B10 (Ta 25°C)
<b>MATERIAL</b>	body in PMMA lens in opal PMMA end caps in AISI 316L stainless steel
<b>POWER SUPPLY UNIT</b>	remote power supply required, not included
<b>POWER CABLES</b>	includes 4.92' neoprene cable H05RN-F 2x0.01"/0.03" Ø0.25" RGB: includes 4.92' FEP+PCP cable (equivalent to H05RN-F) 4x0.02"/0.02" Ø0.25"
<b>MOUNTING</b>	recessed (ceiling, wall, ground)
<b>ACCESSORIES</b>	see accessories page
<b>NOTES</b>	underwater version: Rio Sub 2 non-standard lengths available on request





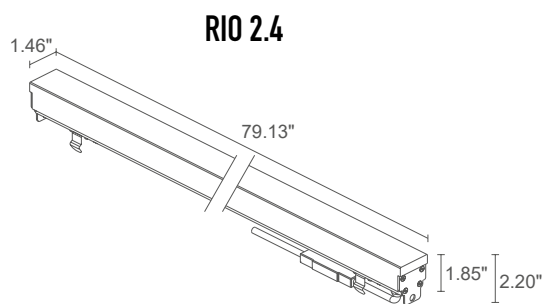
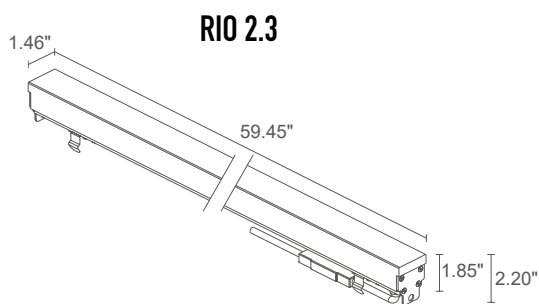
^  
**RIO 2.3**  
 3700K, 29W  
**RONDÒ 1.2**  
 3000K, 4W, radial optics  
 micro-blasted stainless steel  
**BRIGHT 2.8**  
 3000K, 3.5W, 41°, stainless steel  
 Project by / geom. Giuseppe Carannante  
 Villa Punta Pennata, Bacoli, Naples, Italy



<b>POWER / POWER SUPPLY</b>	19W 24VDC white light 39.76" 17W 24VDC RGB light 39.76"
<b>MODEL NO.</b>	<b>RE2200 ■ D B</b>
<b>LED COLOR</b>	<b>F</b> - 2600K <b>5</b> - 2800K <b>9</b> - 3700K <b>6</b> - RGB
<b>OPTICS</b>	diffuse
<b>LUMEN OUTPUT AT SOURCE</b>	2112 lm (2800K) RGB 280 lm: (R) 60 lm, (G) 180 lm, (B) 40 lm
<b>DELIVERED LUMEN OUTPUT</b>	580 lm (2800K) RGB 200 lm: (R) 44 lm, (G) 128 lm, (B) 28 lm
<b>NO. AND TYPE OF LED</b>	192 SMD low-power LEDs 3-step MacAdam RGB: SMD full-color LED 50,000h L95 B10 (Ta 25°C)
<b>MATERIAL</b>	body in PMMA lens in opal PMMA end caps in AISI 316L stainless steel
<b>POWER SUPPLY UNIT</b>	not included, see p. 156
<b>POWER CABLES</b>	includes 4.92' neoprene cable H05RN-F 2x0.01"/0.03" Ø0.25" RGB: includes 1.5 m FEP+PCP cable (equivalent to H05RN-F) 4x0.02"/0.02" Ø0.25"
<b>MOUNTING</b>	recessed (ceiling, wall, ground)
<b>ACCESSORIES</b>	see accessories page
<b>NOTES</b>	underwater version: Rio Sub 2 non-standard lengths available on request



# RIO 2



29W 24VDC white light 59.45"  
26W 24VDC RGB light 59.45"  
**RE2300** ■ D B

38W 24VDC white light 79.13"  
34W 24VDC RGB light 79.13"  
**RE2400** ■ D B

■ F - 2600K  
5 - 2800K  
9 - 3700K  
6 - RGB

■ F - 2600K  
5 - 2800K  
9 - 3700K  
6 - RGB

diffuse

diffuse

3168 lm (2800K)  
RGB 420 lm: (R) 90 lm, (G) 270 lm, (B) 60 lm

4224 lm (2800K)  
RGB 560 lm: (R) 120 lm, (G) 360 lm, (B) 80 lm

870 lm (2800K)  
RGB 300 lm: (R) 66 lm, (G) 192 lm, (B) 42 lm

1160 lm (2800K)  
RGB 400 lm: (R) 88 lm, (G) 256 lm, (B) 56 lm

288 SMD low-power LEDs  
3-step MacAdam  
RGB: SMD full-color LED  
50,000h L95 B10 (Ta 25°C)

384 SMD low-power LEDs  
3-step MacAdam  
RGB: SMD full-color LED  
50,000h L95 B10 (Ta 25°C)

body in PMMA  
lens in opal PMMA  
end caps in AISI 316L stainless steel

body in PMMA  
lens in opal PMMA  
end caps in AISI 316L stainless steel

remote power supply required, not included

remote power supply required, not included

includes 4.92' neoprene cable  
H05RN-F 2x0.01"/0.03" Ø0.25"  
RGB: includes 4.92' FEP+PCP cable  
(equivalent to H05RN-F) 4x0.02"/0.02" Ø0.25"

includes 4.92' neoprene cable  
H05RN-F 2x0.01"/0.03" Ø0.25"  
RGB: includes 4.92' FEP+PCP cable  
(equivalent to H05RN-F) 4x0.02"/0.02" Ø0.25"

recessed (ceiling, wall, ground)

recessed (ceiling, wall, ground)

see accessories page


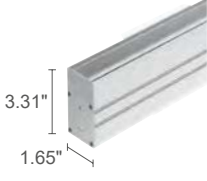
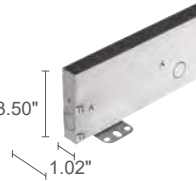
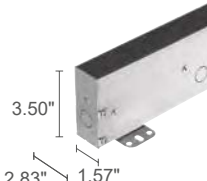
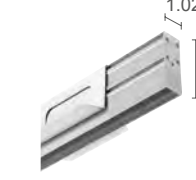
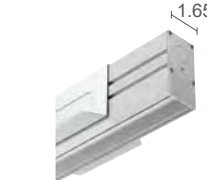
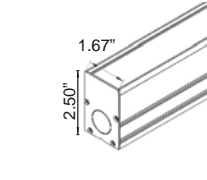
see accessories page

underwater version: Rio Sub 2  
non-standard lengths available on request

underwater version: Rio Sub 2  
non-standard lengths available on request

# RIO

## ACCESSORIES

	RIO 1.0	RIO 1.1	RIO 1.2	RIO 1.3	RIO 1.4		RIO 2.0	RIO 2.1	RIO 2.2	RIO 2.3	RIO 2.4
<b>ACCESSORIES FOR INSTALLATION</b>											
 <p>2.95" 1.02"</p> <p>Aluminum outer casing</p>	<b>WC8110</b> 10.39"	<b>WC8111</b> 20.24"	<b>WC8112</b> 39.92"	<b>WC8113</b> 59.65"	<b>WC8114</b> 79.33"	 <p>3.31" 1.65"</p> <p>3.31" h Aluminum outer casing</p>	<b>WC8220</b> 10.39"	<b>WC8221</b> 20.24"	<b>WC8222</b> 39.92"	<b>WC8223</b> 59.65"	<b>WC8224</b> 79.33"
 <p>3.50" 1.02" 2.83"</p> <p>Stainless steel outer casing</p>	<b>WC8150</b> 10.35"	<b>WC8151</b> 20.20"	<b>WC8152</b> 39.88"	<b>WC8153</b> 59.61"	<b>WC8154</b> 79.29"	 <p>3.50" 2.83" 1.57"</p> <p>Stainless steel outer casing</p>	<b>WC8250</b> 10.35"	<b>WC8251</b> 20.20"	<b>WC8252</b> 39.88"	<b>WC8253</b> 59.61"	<b>WC8254</b> 79.29"
 <p>1.02" 2.95"</p> <p>Aluminum outer casing for plasterboard</p>	<b>WC8310</b> 10.39"	<b>WC8311</b> 20.24"	<b>WC8312</b> 39.92"	<b>WC8313</b> 59.65"	<b>WC8314</b> 79.33"	 <p>1.65" 3.31"</p> <p>3.31" h Aluminum outer casing for plasterboard</p>	<b>WC8420</b> 10.39"	<b>WC8421</b> 20.24"	<b>WC8422</b> 39.92"	<b>WC8423</b> 59.65"	<b>WC8424</b> 79.33"
						 <p>1.67" 2.50"</p> <p>2.5" h Aluminum outer casing</p>	<b>WC8920</b> 10.39"	<b>WC8921</b> 20.24"	<b>WC8922</b> 39.92"	<b>WC8923</b> 59.65"	<b>WC8924</b> 79.330"

### ACCESSORIES FOR INSTALLATION



**WN8101**  
Anti-fall kit  
(Rio 1)



**WN8102**  
Anti-fall kit  
(Rio 2)



**WN6005**  
Alignment kit  
for 3.31" h aluminum  
outer casings



**WN6006**  
Alignment kit  
for 2.50" h aluminum  
outer casings



**WN8011**  
Alignment kit for  
stainless steel  
outer casings

3700K, 19W/m, version with customized lengths

Project by / Salvatore Ferragamo HQ Store planning Light  
planning by / Salvatore Ferragamo HQ Store planning in  
association with Flux cs Studio  
Salvatore Ferragamo Tokyo Ginza Flagship Store  
Tokyo, Japan





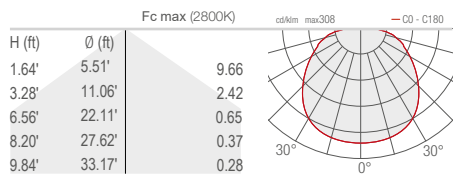


# RIO

## OUTDOOR LINEAR PROFILES

### RIO 1.0

D - Diffuse



### RIO 2.0

D - Diffuse

