

RIO 1 SERIES

RIO 1.0, 1.1, 1.2, 1.3, 1.4

Slim, sleek and tough, the Rio Series illuminates ground, wall and ceiling installations with no dark zone between fixtures. Available in Static White or RGB and with the use of the aluminum housing is driveover up to 11,000 lbs.

TECHNICAL DATA

| | |
|---------------------------|---|
| Wattage / Input | See Chart on page 2. (24VDC) |
| Power Supply | Remote, not included. See page 3. |
| Construction | Body: PMMA End Caps: 316L Stainless Steel Lens: Opal PMMA Housing: Aluminum or Stainless Steel |
| CCT | 2600K, 2800K, 3700K, RGB |
| CRI | CRI >80 |
| BUG Rating | B0-U1-G0 (2800K, 1.0, 1.1, 1.2, 1.3) B0-U1-G1 (2800K, 1.4) |
| Delivered Lumens | See Chart on page 2. |
| Efficacy | 23 lm/W (White), 11 lm/W (RGB) |
| Optics | Diffuse |
| Finishes | N/A |
| Cut-Out Dimensions | See Chart on page 2. |
| Fixture Dimensions | See Chart on page 2. |
| Fixture Weight | See Chart on page 2. |
| LED Source | SMD Low Power (SW), SMD Full Color (RGB) |
| Lumen Maintenance | L80 >50,000hrs |
| Color Consistency | 3-Step MacAdam |
| Operating Temp. | -4°F to +113°F |
| IP Rating | IP67 |
| Impact Rating | IK10 |
| Driveover | Up to 11,000 lbs (With aluminum housing) |



Fixture Dimensions
(see drawings on page 2)

ORDERING INFORMATION

Example: RE1005DB or RE1005DB-1. Accessories / Power Supplies ordered separately.

| | | | |
|------------------|------------------------------------|---------------|-----------------------------------|
| | | DB | |
| Model No. | CCT | Optics | Cable Length |
| RE1000 - Rio 1.0 | F - 2600K | DB - Diffuse | 4.92' standard |
| RE1100 - Rio 1.1 | 5 - 2800K | | 1 - 16.40' |
| RE1200 - Rio 1.2 | 9 - 3700K | | 2 - 32.81' - not for use with RGB |
| RE1300 - Rio 1.3 | 6 - RGB - only uses standard 4.92' | | 3 - 49.21' - not for use with RGB |
| RE1400 - Rio 1.4 | or 16.40' cable | | 4 - 65.62' - not for use with RGB |

Job Name/Date:

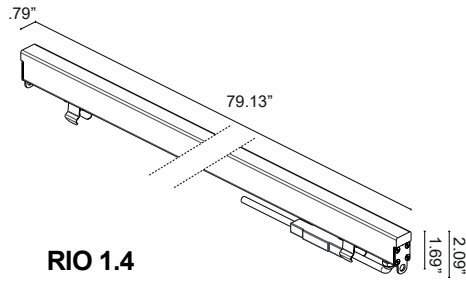
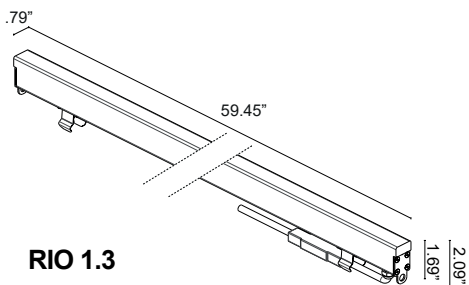
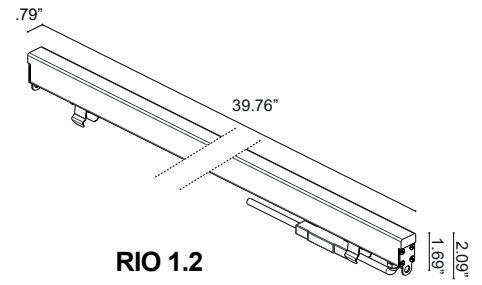
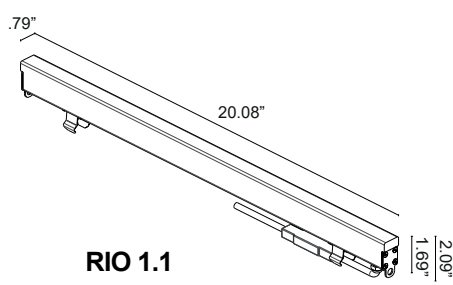
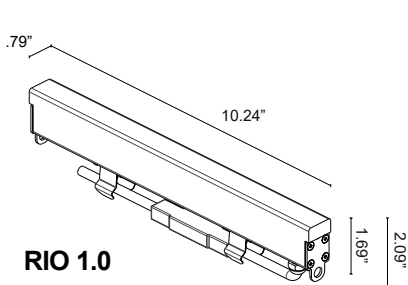
Fixture Type Designation:

RIO 1 SERIES

RIO 1.0, 1.1, 1.2, 1.3, 1.4

TECHNICAL DATA

| | RIO 1.0 | | RIO 1.1 | | RIO 1.2 | | RIO 1.3 | | RIO 1.4 | |
|--|--|-------|--|--------|--|--------|--|--------|--|--------|
| | WHITE | RGB | WHITE | RGB | WHITE | RGB | WHITE | RGB | WHITE | RGB |
| Wattage | 3W | 4.5W | 6W | 8.5W | 12W | 17W | 18W | 26W | 24W | 34W |
| Delivered Lumens (2800K) | 70 lm | 50 lm | 140 lm | 100 lm | 280 lm | 200 lm | 420 lm | 300 lm | 560 lm | 400 lm |
| Fixture Dim. (l,w,h) | 10.24" x 0.79" x 2.09" | | 20.08" x 0.79" x 2.09" | | 39.76" x 0.79" x 2.09" | | 59.45" x 0.79" x 2.09" | | 79.13" x 0.79" x 2.09" | |
| Alum. Housing Dim. (l,w,h) & Cut-Out Size (l,w) | 10.39" x 1.02" x 2.95" 10.39" x 1.02" | | 20.24" x 1.02" x 2.95" 20.24" x 1.02" | | 39.92" x 1.02" x 2.95" 39.92" x 1.02" | | 59.65" x 1.02" x 2.95" 59.65" x 1.02" | | 79.33" x 1.02" x 2.95" 79.33" x 1.02" | |
| SS Housing Dim. (l,w,h) & Cut-Out Size (l,w) | 10.35" x 1.02" x 3.50" 10.35" x 2.83" | | 20.20" x 1.02" x 3.50" 20.20" x 2.83" | | 39.88" x 1.02" x 3.50" 39.88" x 2.83" | | 59.61" x 1.02" x 3.50" 59.61" x 2.83" | | 79.29" x 1.02" x 3.50" 79.29" x 2.83" | |
| Fixture Weight | 0.46 lb | | 0.93 lb | | 1.83 lb | | 2.82 lb | | 3.31 lb | |



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SUGGESTED POWER SUPPLIES

STATIC WHITE, 24VDC

| Part Number | Description | Input/Output | # of Fixtures / Power Supply | | | | |
|---------------------------|---|-----------------------------------|------------------------------|---------|---------|---------|---------|
| | | | Rio 1.0 | Rio 1.1 | Rio 1.2 | Rio 1.3 | Rio 1.4 |
| PPLT00632 | 0-10V Dimming (Dim to Off) | 120-277VAC to 24VDC, 12W, Class 2 | 1-3 | 1-1 | - | - | - |
| PPLT00586 | Non-Dim | 120-277VAC to 24VDC, 40W, Class 2 | 1-10 | 1-5 | 1-2 | 1-1 | 1-1 |
| PPLT00284 | Non-Dim | 120-277VAC to 24VDC, 100W, DAMP | 1 - 26 | 1 - 13 | 1 - 6 | 1 - 4 | 1 - 3 |
| PPLT00543 | 0-10V Dimming to 15% (-40°C / -40°F cold weather start) | 120-277VAC to 24VDC, 100W | 4 - 26 | 2 - 13 | 1 - 6 | 1 - 4 | 1 - 3 |

Suggested Lutron Compatible

| Part Number | Option | Lutron SKU | Dim Range | Description | Input/Output | # of Fixtures / Power Supply | | | | |
|---------------------------|----------------|------------|-----------|--|-----------------------------------|------------------------------|---------|---------|---------|---------|
| | | | | | | Rio 1.0 | Rio 1.1 | Rio 1.2 | Rio 1.3 | Rio 1.4 |
| PPLT00273 | L3DAE / L3DA3W | L3DA | 100%-1% | Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver | 120-277VAC to 24VDC, 40W, Class 2 | 1-10 | 1-5 | 1-2 | 1-1 | 1-1 |
| PPLT00530 | L3DAE / L3D0 | L3DA/L3D0 | 100%-1% | Hi-Lume™ 0.1% EcoSystem™ or 3-Wire LED Driver | 120-277VAC to 24VDC, 96W, Class 2 | 1-25 | 1-12 | 1-6 | 1-4 | 1-3 |

RGB, 24VDC

| Part Number | Description | Input/Output | # of Fixtures / Power Supply | | | | |
|---------------------------|-------------------------------------|---------------------------|------------------------------|---------|---------|---------|---------|
| | | | Rio 1.0 | Rio 1.1 | Rio 1.2 | Rio 1.3 | Rio 1.4 |
| PPLT00288 | DMX / RDM (Field Addressable) /Dali | 120-277VAC to 24VDC, 100W | 1 - 17 | 1 - 9 | 1 - 4 | 1 - 3 | 1 - 2 |

For other power supply options consult factory.

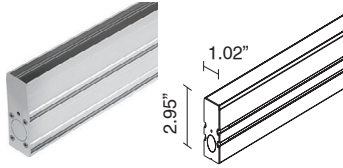
Job Name/Date:

Fixture Type Designation:

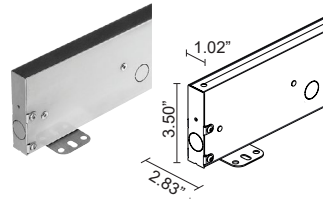
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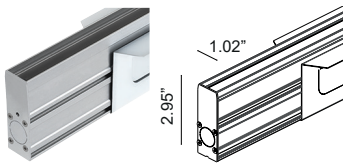
ACCESSORIES - Installation



Aluminum Outer Casing
**Must use for Driveover applications*
(Aluminum has been treated to avoid corrosion when in contact with concrete.)
WC8110 - Rio 1.0 (L 10.39")
WC8111 - Rio 1.1 (L 20.24")
WC8112 - Rio 1.2 (L 39.92")
WC8113 - Rio 1.3 (L 59.65")
WC8114 - Rio 1.4 (L 79.33")



Stainless Steel Outer Casing
WC8150 - Rio 1.0 (L 10.35")
WC8151 - Rio 1.1 (L 20.20")
WC8152 - Rio 1.2 (L 39.88")
WC8153 - Rio 1.3 (L 59.61")
WC8154 - Rio 1.4 (L 79.29")



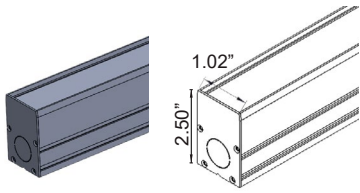
**Aluminum Outer Casing
for Plasterboard**
WC8310 - Rio 1.0 (L 10.39")
WC8311 - Rio 1.1 (L 20.24")
WC8312 - Rio 1.2 (L 39.92")
WC8313 - Rio 1.3 (L 59.65")
WC8314 - Rio 1.4 (L 79.33")

Job Name/Date:

Fixture Type Designation:

RIO 1 SERIES

RIO 1.0, 1.1, 1.2, 1.3, 1.4



Aluminum Outer Casing

2.5" h

WCD910 - Rio 1.0 (L 10.39")

WCD911 - Rio 1.1 (L 20.24")

WCD912 - Rio 1.2 (L 39.92")

WCD913 - Rio 1.3 (L 59.65")

WCD914 - Rio 1.4 (L 79.33")

ACCESSORIES - Installation



WN8011 - Alignment Kit

For Stainless Steel Outer Casings



WN6006 - Extractors (Pair)

To Remove Fixture from Outer Casings



WN6005 - Alignment Kit

For Aluminum Outer Casings



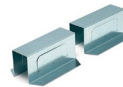
WN8101 - Fixture Anti Fall Kit

Optional for Ceiling (and if desired Wall) Installations



WND600525- Alignment Kit

For Aluminum 2.5" Outer Casings

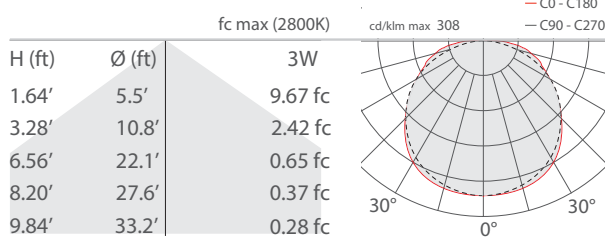


WN8003 - U-Shaped Brackets (Pair)

For Plasterboard

PHOTOMETRIC DATA

D - Diffuse (Rio 1.0)



Job Name/Date:

Fixture Type Designation: