

# 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, RGB or RGBW and with the use of the aluminum housing is driveover up to 11,000 lbs.

### TECHNICAL DATA

<b>Wattage / Input</b>	See Chart on page 2. (24VDC)
<b>Power Supply</b>	Remote, not included. See page 3.
<b>Construction</b>	Body: PMMA End Caps: 316L Stainless Steel Lens: Opal PMMA Housing: Aluminum or Stainless Steel
<b>CCT</b>	2600K, 2800K, 3700K, RGB, RGBW
<b>CRI</b>	CRI >80
<b>BUG Rating</b>	B0-U1-G0 (2800K, 1.0, 1.1, 1.2, 1.3) B0-U1-G1 (2800K, 1.4)
<b>Delivered Lumens</b>	See Chart on page 2.
<b>Efficacy</b>	23 lm/W (White), 11 lm/W (RGB), 15.5 lm/W (RGBW)
<b>Optics</b>	Diffuse
<b>Finishes</b>	N/A
<b>Cut-Out Dimensions</b>	See Chart on page 2.
<b>Fixture Dimensions</b>	See Chart on page 2.
<b>Fixture Weight</b>	See Chart on page 2.
<b>LED Source</b>	SMD Low Power (SW), SMD Full Color (RGB)
<b>Lumen Maintenance</b>	L80 >50,000hrs
<b>Color Consistency</b>	3-Step MacAdam
<b>Operating Temp.</b>	-4°F to +113°F
<b>IP Rating</b>	IP67
<b>Impact Rating</b>	IK10
<b>Driveover</b>	Up to 11,000 lbs (With aluminum housing)



Fixture Dimensions  
(see drawings on page 2)

### ORDERING INFORMATION

Example: RE10005DB or RE10005DB-1. Accessories / Power Supplies ordered separately.

		<b>DB</b>	
<b>Model No.</b>	<b>CCT</b>	<b>Optics</b>	<b>Cable Length</b>
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 or RGBW
RE1300 - Rio 1.3	6 - RGB - only uses standard 4.92'		3 - 49.21' - not for use with RGB or RGBW
RE1400 - Rio 1.4	or 16.40' cable		4 - 65.62' - not for use with RGB or RGBW
	7 - RGBW		

Job Name/Date:

Fixture Type Designation:

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### TECHNICAL DATA

	RIO 1.0			RIO 1.1			RIO 1.2		
	WHITE	RGB	RGBW	WHITE	RGB	RGBW	WHITE	RGB	RGBW
<b>Wattage</b>	3W	4.5W	6W	6W	8.5W	11W	12W	17W	23W
<b>Delivered Lumens (2800K)</b>	70 lm	50 lm	90 lm	140 lm	100 lm	180 lm	280 lm	200 lm	360 lm
<b>Fixture Dim. (l,w,h)</b>	10.24" x 0.79" x 2.09"			20.08" x 0.79" x 2.09"			39.76" x 0.79" x 2.09"		
<b>Alum. Housing Dim. (l,w,h)</b>	10.39" x 1.02" x 2.95"			20.24" x 1.02" x 2.95"			39.92" x 1.02" x 2.95"		
<b>&amp; Cut-Out Size (l,w)</b>	10.39" x 1.02"			20.24" x 1.02"			39.92" x 1.02"		
<b>SS Housing Dim. (l,w,h)</b>	10.35" x 1.02" x 3.50"			20.20" x 1.02" x 3.50"			39.88" x 1.02" x 3.50"		
<b>&amp; Cut-Out Size (l,w)</b>	10.35" x 2.83"			20.20" x 2.83"			39.88" x 2.83"		
<b>Fixture Weight</b>	0.46 lb			0.93 lb			1.83 lb		

	RIO 1.3			RIO 1.4		
	WHITE	RGB	RGBW	WHITE	RGB	RGBW
<b>Wattage</b>	18W	26W	34W	24W	34W	46W
<b>Delivered Lumens (2800K)</b>	420 lm	300 lm	540 lm	560 lm	400 lm	720 lm
<b>Fixture Dim. (l,w,h)</b>	59.45" x 0.79" x 2.09"			79.13" x 0.79" x 2.09"		
<b>Alum. Housing Dim. (l,w,h)</b>	59.65" x 1.02" x 2.95"			79.33" x 1.02" x 2.95"		
<b>&amp; Cut-Out Size (l,w)</b>	59.65" x 1.02"			79.33" x 1.02"		
<b>SS Housing Dim. (l,w,h)</b>	59.61" x 1.02" x 3.50"			79.29" x 1.02" x 3.50"		
<b>&amp; Cut-Out Size (l,w)</b>	59.61" x 2.83"			79.29" x 2.83"		
<b>Fixture Weight</b>	2.82 lb			3.31 lb		

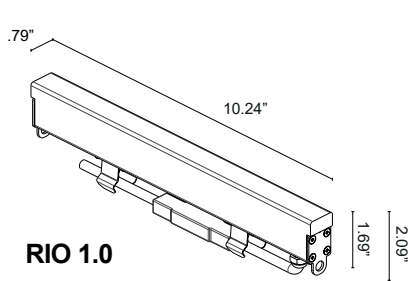
Job Name/Date:

Fixture Type Designation:

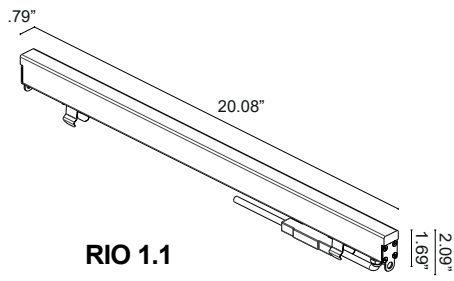
# RIO 1 SERIES

## RIO 1.0, 1.1, 1.2, 1.3, 1.4

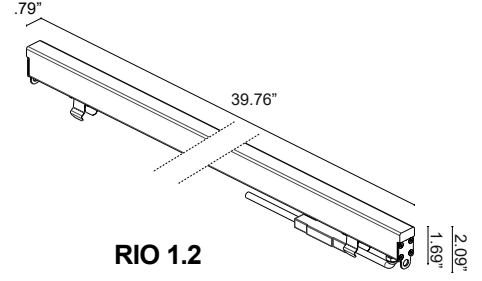
### FIXTURE DIMENSIONS



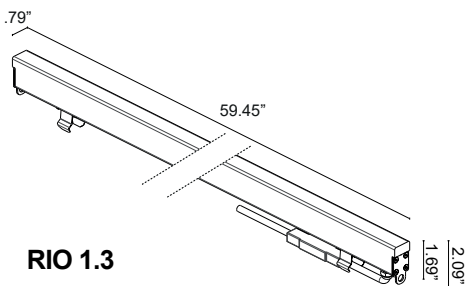
**RIO 1.0**



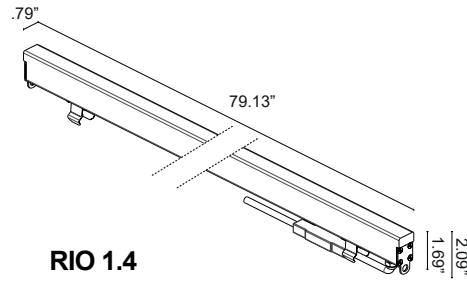
**RIO 1.1**



**RIO 1.2**



**RIO 1.3**



**RIO 1.4**

Job Name/Date:

Fixture Type Designation:

# RIO 1 SERIES

## RIO 1.0, 1.1, 1.2, 1.3, 1.4

### 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
<a href="#">PPLT00632</a>	0-10V Dimming (Dim to Off)	120-277VAC to 24VDC, 12W, Class 2	1-3	1-1	-	-	-
<a href="#">PPLT00586</a>	Non-Dim	120-277VAC to 24VDC, 40W, Class 2	1-10	1-5	1-2	1-1	1-1
<a href="#">PPLT00709</a>	ELV/TRIAC & 0-10V Dimming to 5% and OFF	120-277VAC to 24VDC, 96W, Class 2, DAMP	1 - 25	1 - 12	1 - 6	1 - 4	1 - 3
<a href="#">PPLT00543</a>	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
<a href="#">PPLT00273</a>	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
<a href="#">PPLT00530</a>	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
<a href="#">PPLT00288</a>	DMX / RDM (Field Addressable) /Dali	120-277VAC to 24VDC, 100W, Class 2, DRY	1 - 17	1 - 9	1 - 4	1 - 3	1 - 2

### RGBW, 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
<a href="#">PPLT00288</a>	DMX / RDM (Field Addressable) /Dali	120-277VAC to 24VDC, 100W, Class 2, DRY	1 - 13	1-7	1-3	1-2	1-1

For other power supply options consult factory.

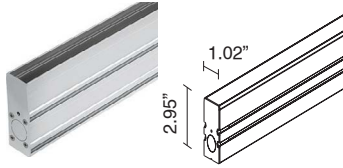
Job Name/Date:

Fixture Type Designation:

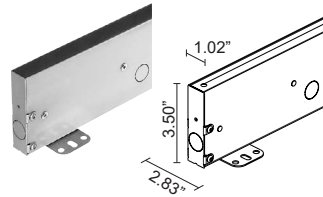
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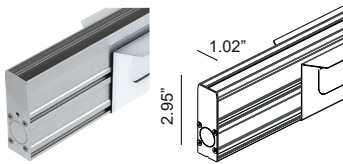
### ACCESSORIES - Installation



**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")



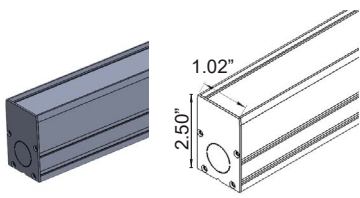
**Aluminum Outer Casing  
for Plasterboard**  
**WC8310** - Rio 1.0 (L 10.39")  
**WC8311** - Rio 1.1 (L 20.24")  
**WC8312** - Rio 1.2 (L 39.92")  
**WC8313** - Rio 1.3 (L 59.65")  
**WC8314** - Rio 1.4 (L 79.33")

Job Name/Date:

Fixture Type Designation:

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### 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



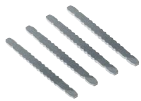
### WN6005 - Alignment Kit

For Aluminum Outer Casings



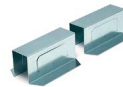
### WN8101 - Fixture Anti Fall Kit

Optional for Ceiling (and if desired Wall) Installations



### WND600525- Alignment Kit

For Aluminum 2.5" Outer Casings

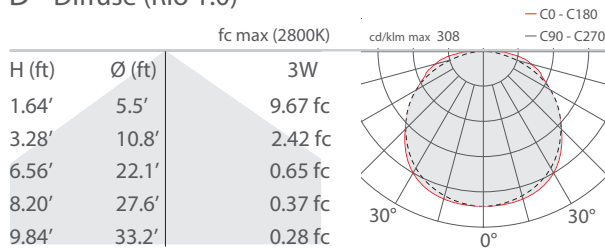


### WN8003 - U-Shaped Brackets (Pair)

For Plasterboard

## PHOTOMETRIC DATA

D - Diffuse (Rio 1.0)



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