

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:

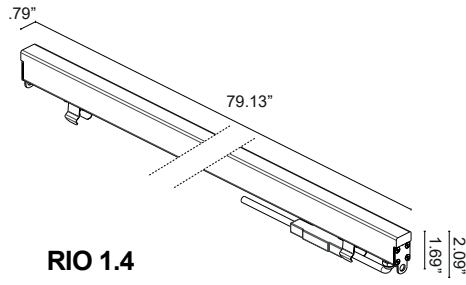
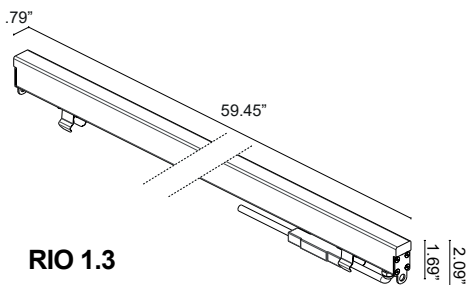
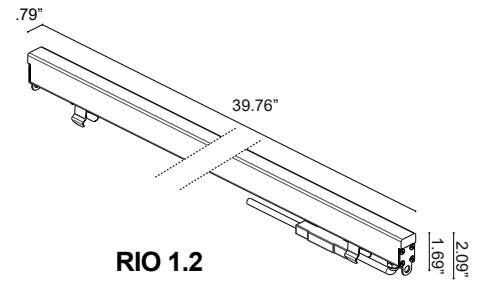
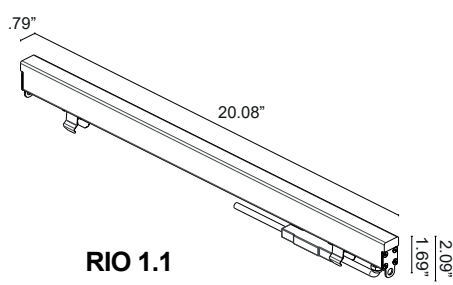
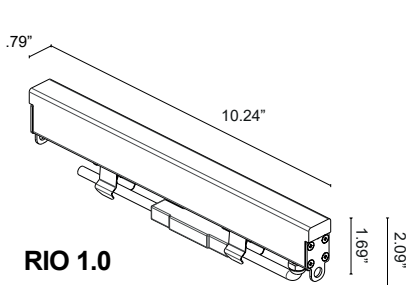
Fixture Type Designation:

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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
PPLT00709	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
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.

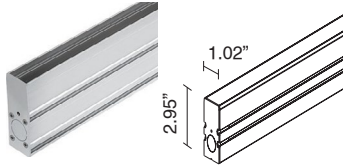
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Fixture Type Designation:

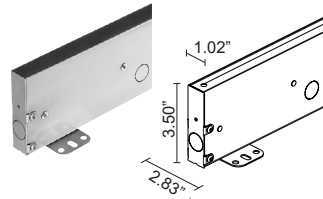
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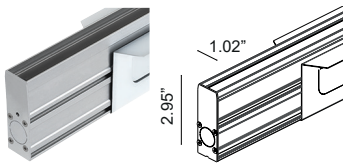
ACCESSORIES - Installation



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")



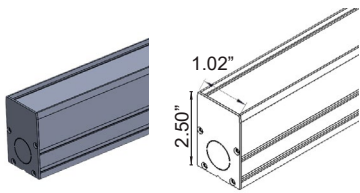
**Aluminum Outer Casing
for Plasterboard**
WC8310 - Rio 1.0 (L 10.39")
WC8311 - Rio 1.1 (L 20.24")
WC8312 - Rio 1.2 (L 39.92")
WC8313 - Rio 1.3 (L 59.65")
WC8314 - Rio 1.4 (L 79.33")

Job Name/Date:

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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



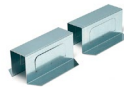
WN6005 - Alignment Kit
For Aluminum Outer Casings



WN8101 - Fixture Anti Fall Kit
Optional for Ceiling (and if desired Wall) Installations



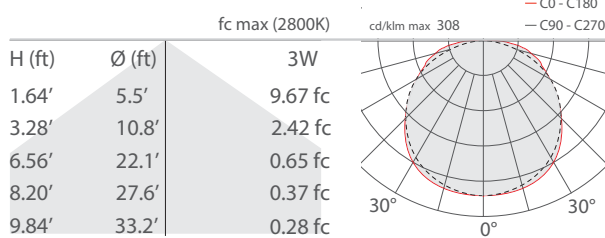
WND600525- Alignment Kit
For Aluminum 2.5" Outer Casings



WN8003 - U-Shaped Brackets (Pair)
For Plasterboard

PHOTOMETRIC DATA

D - Diffuse (Rio 1.0)



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