RIO 1 SERIES

RIO 1.0, 1.1, 1.2, 1.3, 1.4

designplan

datasheet

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

Fixture Dimensions
(see drawings on page 2)

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, RGBW
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), 15.5 lm/W (RGBW)
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 (RGBW)
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)

ORDERING INFORMATION

Example: RE10005DB or RE10005DB-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 RGBW*
RE1300 - Rio 1.3	**7** - RGBW		**4** - 65.62' - *not for use with RGBW*
RE1400 - Rio 1.4			

Job Name/Date:

Fixture Type Designation:

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TECHNICAL DATA

	RIO 1.0			RIO 1.1			RIO 1.2		
	WHITE		RGBW	WHITE		RGBW	WHITE		RGBW
Wattage	3W		6W	6W		11W	12W		23W
Delivered Lumens ***(2800K)***	70 lm		90 lm	140 lm		180 lm	280 lm		360 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”		
Alum. Housing Dim. ***(l,w,h)***	10.39” x 1.02” x 2.95”			20.24” x 1.02” x 2.95”			39.92” x 1.02” x 2.95”		
& Cut-Out Size ***(l,w)***	10.39” x 1.02”			20.24” x 1.02”			39.92” x 1.02”		
SS Housing Dim. ***(l,w,h)***	10.35” x 1.02” x 3.50”			20.20” x 1.02” x 3.50”			39.88” x 1.02” x 3.50”		
& Cut-Out Size ***(l,w)***	10.35” x 2.83”			20.20” x 2.83”			39.88” x 2.83”		
Fixture Weight	0.46 lb			0.93 lb			1.83 lb		

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

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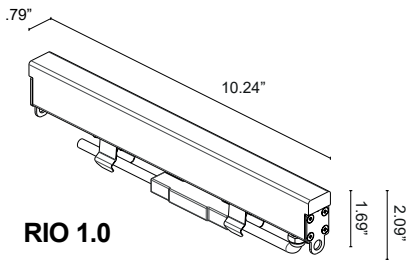
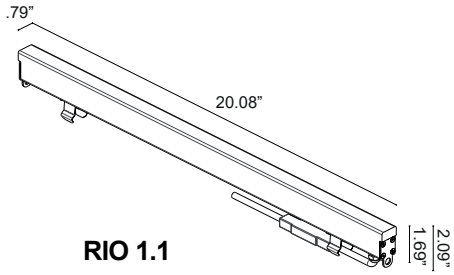
FIXTURE DIMENSIONS



RIO 1.0



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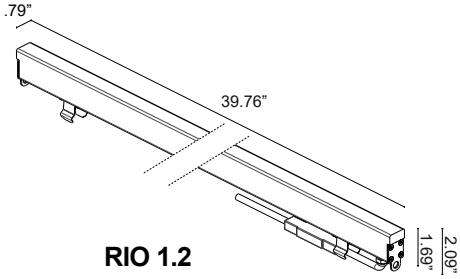

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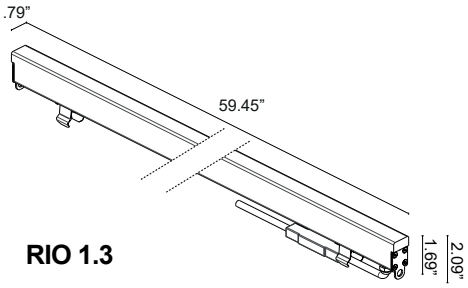

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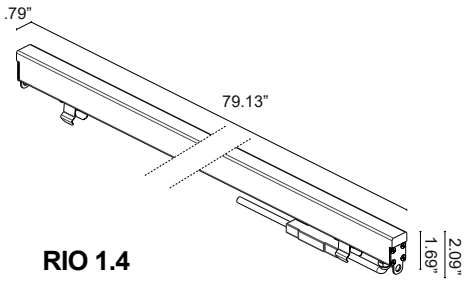

RIO 1.4

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Fixture Type Designation:

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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
PPLT00284	Non-Dim	120-277VAC to 24VDC, 100W, Class 2, 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

DRIVERS IN NEMA ENCLOSURE

STATIC WHITE, Remote 24VDC - ELV / TRIAC / 0-10V

PPLT00715

Part Number	Description	Input/Output	# of Fixtures				
			Rio 1.0	Rio 1.1	Rio 1.2	Rio 1.3	Rio 1.4
PPLT00715	ELV / TRIAC / 0-10V Dimming to 0.1%	120-277VAC to 24VDC, 96W, Class 2, WET/DAMP	1-25	1-12	1-6	1-4	1-3

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
PPLT00288	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.

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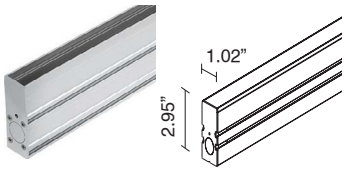
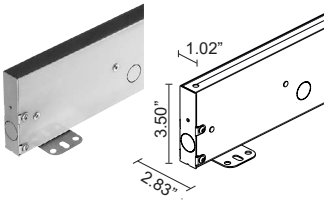
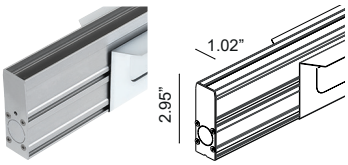
ACCESSORIES - Installation



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")*

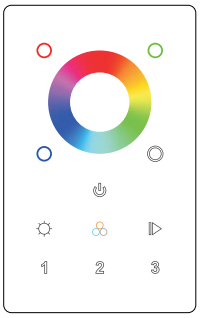


Stainless Steel Outer Casing
WC8150 - Rio 1.0 *(L 10.35")*
WC8151 - Rio 1.1 *(L 20.20")*
WC8152 - Rio 1.2 *(L 39.88")*
WC8153 - Rio 1.3 *(L 59.61")*
WC8154 - Rio 1.4 *(L 79.29")*



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")*

ACCESSORIES
Controllers (RGBW)



PPWD00570 - RGBW DMX512+Wifi Controller
Touch Sensitive
Can be controlled by WiFi
Controls 3 zones synchronously and separately

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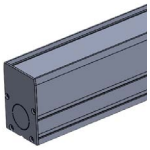
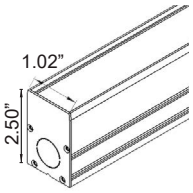
RIO 1 SERIES

RIO 1.0, 1.1, 1.2, 1.3, 1.4

datasheet





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")*

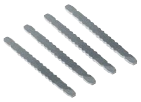
ACCESSORIES - Installation

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



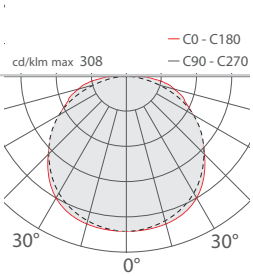
WND600525- Alignment Kit
For Aluminum 2.5" Outer Casings

WN8003 - U-Shaped Brackets (Pair)
For Plasterboard

PHOTOMETRIC DATA

D - Diffuse (Rio 1.0)

H (ft)	Ø (ft)	fc max (2800K) 3W
1.64′	5.5′	9.67 fc
3.28′	10.8′	2.42 fc
6.56′	22.1′	0.65 fc
8.20′	27.6′	0.37 fc
9.84′	33.2′	0.28 fc



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