

RIO SUB 2 SERIES

RIO SUB 2.1, 2.2

Rio Sub are recessed linear profiles with diffused light that can be used for underwater, fountain (max depth 32.8 in) and outdoor applications to illuminate the ground, wall and ceiling. Available in static white or RGBW and with the use of the aluminum housing is walkover up to 1100 lbs. Minimum spacing between fixtures is 1.97".

TECHNICAL DATA

Wattage / Input	See Chart on page 2. (24VDC)
Power Supply	Remote, not included. See page 3.
Construction	Body: PMMA / 316L Stainless Steel End Caps: 316L Stainless Steel Lens: Opal PMMA Cable Length: 16.4'
CCT	2600K, 2800K, 3700K, RGBW
CRI	>80
BUG Rating	B0-U1-G0 (2800K, 2.1) B0-U1-G1 (2800K, 2.2)
Delivered Lumens	See Chart on page 2.
Efficacy	2.1: 29.0 lm/W (White), 18 lm/W (RGBW) 2.2: 30.5 lm/W (White), 18.9 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	96 SMD Low Power LEDs (SW) SMD Full-Color LED + White LED (RGBW)
Lumen Maintenance	L95, B10>50,000hrs
Color Consistency	3-Step MacAdam
Operating Temp.	-4°F to +113°F
IP Rating	IP68
Impact Rating	IK10
Walkover	Up to 1102 lbs



UL 676



Fixture Dimensions
See page 2 for chart

OUTER CASING REQUIRED

ORDERING INFORMATION

Example: RS21005DB. Accessories / Power Supplies ordered separately.

		DB
Model No.	CCT	Optics
RS2100 - Rio Sub 2.1	F - 2600K	DB - Diffuse
RS2200 - Rio Sub 2.2	5 - 2800K	
	9 - 3700K	
	7 - RGBW	

Job Name/Date:

Fixture Type Designation:

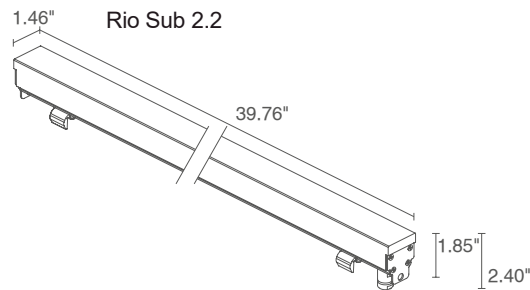
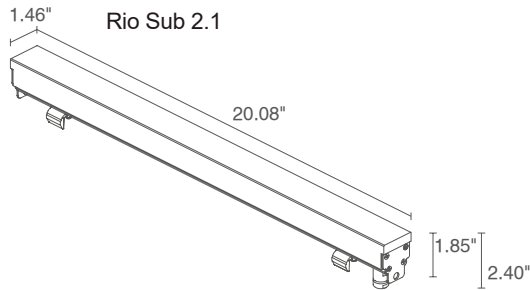
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RIO SUB 2.1, 2.2

TECHNICAL DATA

	RIO SUB 2.1		RIO SUB 2.2	
	WHITE	RGBW	WHITE	RGBW
Wattage	10W	12W	19W	23W
Delivered Lumens (2800K)	290 lm	216 lm	580 lm	432 lm
Fixture Dim. (l,w,h)	20.08" x 1.46" x 2.40"		39.76" x 1.46" x 2.40"	
Cut-Out Size (l,w)	2.68" x 21.46"		2.68" x 41.14"	
Fixture Spacing (Min.)	1.97"		1.97"	
Fixture Weight	3.02 lbs		6.00 lbs	

FIXTURE DIMENSIONS



ACCESSORIES - Installation



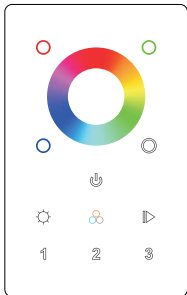
**Stainless Steel
Outer Casing REQUIRED**
WC8651 - Rio Sub 2.1 (L 21.46")
WC8652 - Rio Sub 2.2 (L 41.14")



WN6006 - Extractors (Pair)
 For Outer Casings
 Rio Sub 1.1, Rio Sub 1.2

ACCESSORIES

Controllers (RGBW)



PPWD00570 - RGBW DMX512+Wifi Controller
TO BE USED WITH FPV DMX DRIVERS ONLY
 Touch Sensitive
 Can be controlled by WiFi
 Controls 3 zones synchronously and separately

Job Name/Date:

Fixture Type Designation:

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SUGGESTED POWER SUPPLIES

24VDC - FOR USE WITH FOUNTAIN / WATER FEATURES

Part Number	Description	Input/Output	# of Fixtures	
			Rio Sub 2.1	Rio Sub 2.2
FPV-100000024	Non-Dim	120-277VAC to 24VDC, 100W, Class 2, IP66, NEMA 4X	1-8	1-4
FPV-100100024	0-10V Dimming to 1.0%	120-277VAC to 24VDC, 100W, Class 2, IP66, NEMA 4X	1-8	1-4
FPV-100EL0024	DMX / RDM (Field Addressable) / DALI	120-277VAC to 24VDC, 100W, Class 2, IP66, NEMA 4X	1-8	1-4

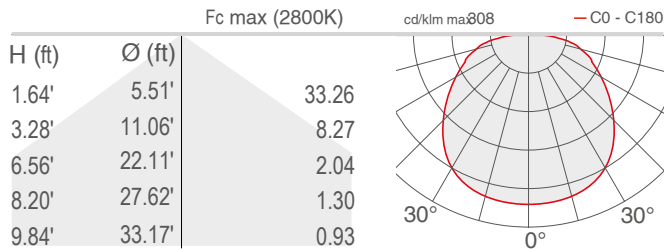
RGB, 24VDC - FOR USE WITH FOUNTAIN / WATER FEATURES

Part Number	Description	Input/Output	# of Fixtures / Power Supply	
			Rio Sub 2.1	Rio Sub 2.2
FPV-100EL0024	DMX / RDM (Field Addressable) / Dali	120-277VAC to 24VDC, 100W, Class 2, DRY, IP66, NEMA 4X	1-9	1-4

For other power supply options consult factory.

PHOTOMETRIC DATA

D - Diffuse



Job Name/Date:

Fixture Type Designation: