

FIXTURE SPECIFICATIONS

INTENDED USE

This architectural-grade LED tube pendant or wall-mounted light from the R2 series is adjustable at an angle of 45, 90, 135 or 180 degrees affording a 350-degree field adjustable rotation. The high-CRI, color-changing or regular white, LED light affords up to 11,600 lumens per 8-foot fixture. The R2 series comes in standard lengths of 2-foot, 3-foot, 4-foot and 8-foot lengths. This commercial-grade fixture is ideal for office, hospitality, studio, gallery, warehouse and even modern residential applications.

FEATURES

Construction: Aluminum channel

Lens: Glare-free snap-in acrylic for even distribution

Light Direction: Field-adjustable with included tool

Voltage: 50/60 Hz constant current 0-10V @

120-277V, TRIAC & ELV @ 120V

Dimming: 0-10V, TRIAC (Forward-phase), ELV (Reverse-phase)

Voltage: 120-277V 50/60 Hz

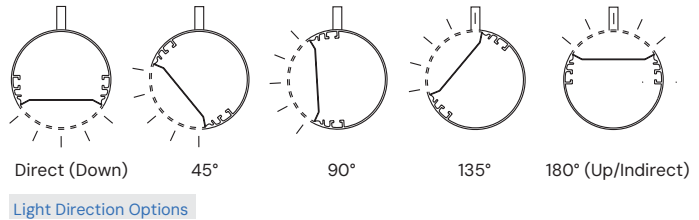
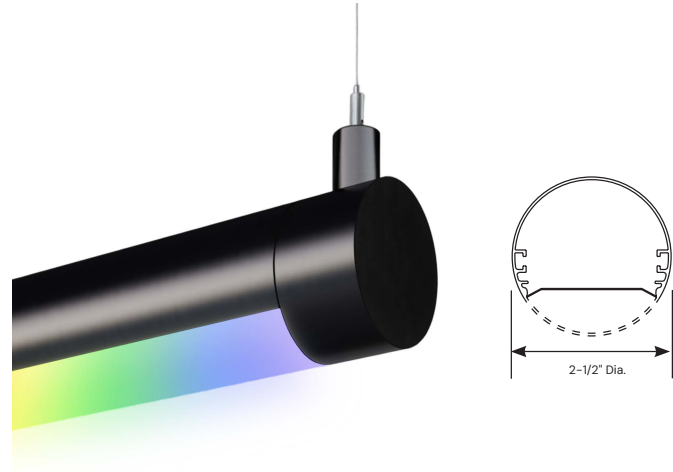
Operating Temperature: -4°F (-20°C) ~ 122°F (50°C) **Life:** 60,000 Hours L70

Warranty: 5 years (static colors) and 2 years (RGBW)

Carefree for parts & components

(Labor not included)

Listings: cULus, Assembled in USA



ORDERING INFORMATION | Example: (12100-R2-P-D4-D-S-4-27K-010-WH-AC4-5-8)

Model	Mount Type	LED Light	Light Direction	Length	Color Temp	Dimming	Finish	Pendant Mounting	Arm Length ⁷	CRI	Controls	Options
12100-R2	P	Per Foot Sections D4 4.5 Watts 598 lms	D Down / Direct	2 2 Foot	27K⁹ 2700K	010⁵Standard 0-10V 5-Wire	WH^{Standard} White (Matte) RAL# 9003	(Blank) None Required	5^{Standard} 5" Arm	8 80+	Blank Not Required	Blank Not Required
	W	D6 6.75 Watts 898 lms	I 180° Up/Indirect	3 3 Foot	30K 3000K	TRI TRIAC Forward Phase 2-Wire (120V Only)	BK Black (Matte) RAL# 9011	AC4 4" Adjustable Aircraft Cable	12 12" Arm	9⁸ 90+	TW-WWR-WH Tunable White Wireless Wall Remote White Finish	EM10 10W Emergency Battery Backup
		D9 9 Watts 1197 lms	45 45°	4 4 Foot	35K 3500K	ELV Electronic Low Voltage Reverse Phase 3-Wire (120V Only)	SL Silver (Matte) RAL# 9022	AC8 8" Adjustable Aircraft Cable	ALX⁶ Specify X in Inches (Max 24")		TW-WWR-BK Tunable White Wireless Wall Remote Black Finish	OS Occupancy Sensor w/ Daylight Harvesting
		D12 12 Watts 1597 lms	90 90°	8 8 Foot	40K 4000K			ACX Specify X in Feet (Max 30")			TW-WDR-BK Tunable White Wireless Desktop Remote Black Finish	DS Daylight Dimming Photo Sensor
		D13 13.5 Watts 1796 lms	135 135°	12 12 Foot	50K 5000K						TW-2N1-WH⁸ Wired White Wall Switch	
		Tunable White D4 4.5 Watts 598 lms		X Custom Length Replace X with length in Feet	Tunable White TW2065⁴ Tunable White 2000-6500K	050 Tunable White 0-10V	WH-M White Anti-Microbial Coating	ST2 2" Stem			RGBW-APP iOS/Android Bluetooth App	
		D6 6.75 Watts 898 lms			TW2075⁴ Tunable White 2700-5000K	24V⁵ RGBW & Wireless Tunable White 24V		ST4 4" Stem			RGBW-MZ RF Remote Control Multi Zone	
		D9 9 Watts 1197 lms			TW2762⁵ Wireless Tunable White 2700-6200K	4DMX¹⁰ 4-Channel DMX512 Decoder	XXXX Specify XXXX: Use RAL # found on Page 3	STX Specify X in Feet (Max 8")			RGBW-DMXAC 4-Channel DMX512 Decoder (85-265VAC)	
		D12 12 Watts 1597 lms									RGBW-DMX5V 4-Channel DMX512 Decoder (5VDC adapter)	
		D13 13.5 Watts 1796 lms										
		Wireless Tunable White TW-DLO¹ 480 lms			RGBW RGBW30 RGB + W (3000K)							
		TW-DHO¹ 768 lms			RGBW40 RGB + W (4000K)							
		RGBW RGBW-D10 10 Watts 425 lms										
		RGBW-D20 20 Watts 1126 lms										

¹Must specify Wall or Desktop Remote Wireless Control for Wireless Tunable White

²Length Minimum 2 Foot

³Draw your custom shape and send us your idea to rfq@alconlighting.com

⁴Must be Paired with 050 Driver

⁵Must specify for RGBW & Wireless Tunable White 24V Driver

⁶Not available for RGBW

⁷Only applicable for Wall Mount

⁸MOQ is 50 units, Applies to all lengths but 5" and 12"

⁹Not available with 80+ CRI

¹⁰Must specify for RGBW-DMXAC or RGBW-DMX5V controls

Alcon 12100-R2 & 12100-R2-RGBW Color-Changing or Regular White LED Tube Light

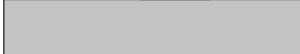
FINISHES

Standard

	Matte White	RAL #9003
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Set up fee and longer lead time will be applied on non-standard finishes.

Metropolitan

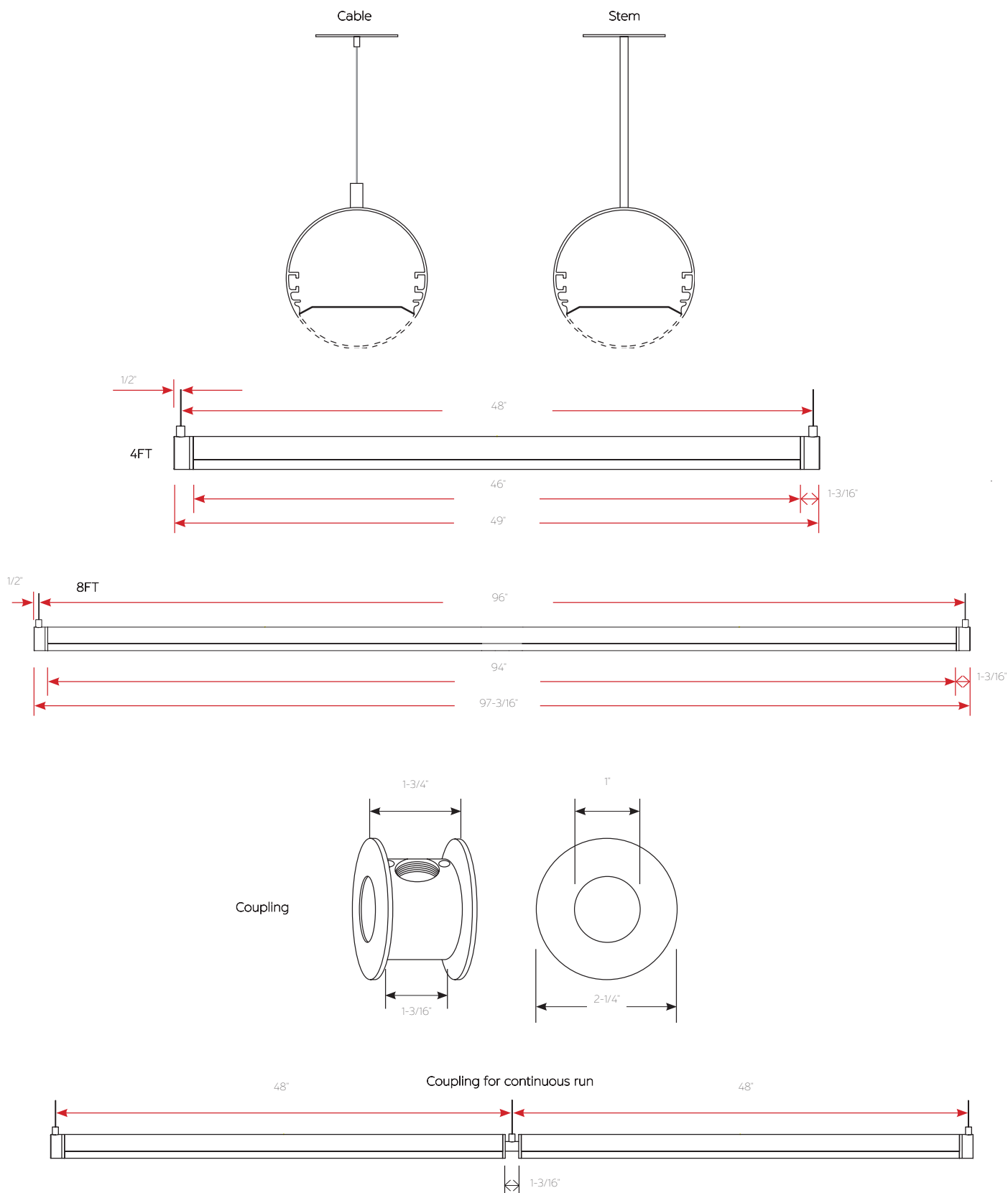
	Black	RAL #9011
	Silver	RAL #9022
	Urban Native	RAL #8025
	Military Green	RAL #6011
	Carmin	RAL #8028
	Chocolate Spice	RAL #8017
	Asher Grey	RAL #7004
	Tech Grey	RAL #7016
	Slate	RAL #7031
	Mason	RAL #7039

Vibrant

	Violet Dreams	RAL #4006
	Sangria Sunset	RAL #2004
	Deep Pink	RAL #4010
	Ruby Red	RAL #3027
	Island Skye	RAL #6027
	Sophia	RAL #5015
	Antique Spring	RAL #6019
	Daisy	RAL #1018
	Gun Metal	RAL #7024



Fixture Dimensions



LUTRON

Dynamic White

Triac	ELV	0-10V
TG-600P	DVELV-303P	NTSTV
LG-600P	SELV-300P	NFTV
TGCL-153P	MAELV-600	DVSTV
DV-600P	FAELV-500	
DVCL-153P		
S-603PG		
CT-103P		
S-600P		

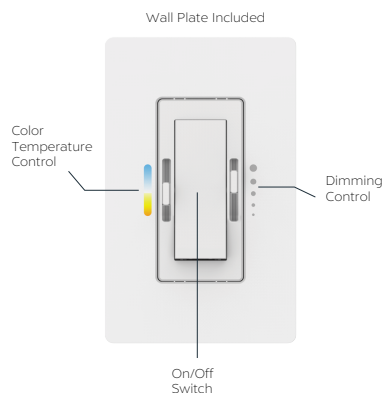
LEVITON

6161	IPEO4	IP710-DLZ
6633-P	VPEO6-1LZ	
6683		
6631-2		
IPIO6-1LZ		

Wireless Tunable White Control

TUNABLE WHITE

TW-2N1-WH Dual Wall Switch



Input: 120VAC ~ 60Hz
 Max Load: 600W
 Control: 0-10V
 Wired Tunable: TW2750 &
 White: TW2065

Weight	0.35 lbs
Dimming Type	PWM
Signal Type	RF (Radio Frequency) 434 MHz/868MHz
Range	100ft from fixture
Maximum Load	24V @ DC 480W
Working Temperature	-20°F to 140°F (-28C to 60°C)
Battery	3V (CR2032 Battery)

Wall

L - 4 3/8" x W - 3 1/4" x D - 1 3/4"



Desktop

L - 4 3/8" x W - 3 1/4" x D - 2 1/2"



RGBW-APP | Bluetooth Smart Phone App



Smart Life



Tuya Smart

Bluetooth	
Software	IOS 8.0 and up, Android 4.4 and up
App	Smart Life or Tuya Smart supported
Features	Group, Scenes
Bluetooth Distance	> 49ft in open area
Additional Feature	Home Management / Third party control -> Alexa, Google Assistant (by others)

RGBW-MZ | Wireless RF Remote Control 4-Zone



RGBW-MZ (RF remote control)

Dimensions	W 2" x D 0.825" x H 4.725"
Weight	0.1lbs
Signal Type	RF (Radio Frequency) 2.4GHz
Range	98ft from fixture open air
Zone / Mode	4 zones / 9 modes
Working Temp.	-4°F to 131°F (-20°C to 55°C)
* Battery	2 x AAA battery

* Not included

RGBW-DMX | 4-Zone DMX512 Touch Panel



RGBW-DMXAC

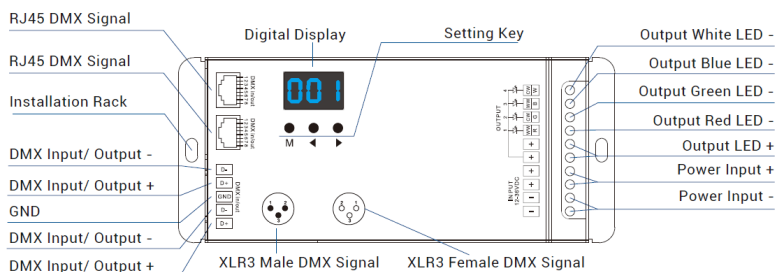
Zone	4 zone
Signal	DMX512 protocol
Input Voltage	85-265VAC
Dimensions	L 3.4" x H 3.4" x D 1.45"
Features	10 built-in mode, scene
Operating Temp.	-22°F ~ 131°F (-30°C ~ 55°C)



RGBW-DMX5V

Zone	4 zone
Signal	DMX512 protocol
Dimensions	L 7" x H 1.3" x D 1.9"
Features	12 built-in mode, scene
Operating Temp.	-22°F ~ 131°F (-30°C ~ 55°C)

RGBW-DMX | 4-Channel DMX512 Decoder



Dimensions	L 6.5" x W 2.7" x D 1.5"
Output Current	8A / 4 channels
Input Voltage	12-36V DC
Output Power	768W (24V)
Frequency	PWM output

Photometrics (for Static Color Temperatures)

Direct

12100-R2-D27-S-4

Illuminance at a Distance

Center Beam FC Beam Width

1.7FT	555 FC	3.9 FT	3.1 FT
3.3FT	147 FC	7.6 FT	6.1 FT
5.0FT	64.1 FC	11.6 FT	9.2 FT
6.7FT	35.7 FC	15.5 FT	12.3 FT
8.3FT	23.3 FC	19.2 FT	15.2 FT
10.0FT	16.0 FC	23.2 FT	18.4 FT

■ Vert. Spread:
■ 98.4° Horiz. Spread: 85.1°

12100-R2-D27-S-8

Illuminance at a Distance

Center Beam FC Beam Width

1.7FT	1,117 FC	3.9 FT	3.1 FT
3.3FT	296 FC	7.6 FT	6.1 FT
5.0FT	129 FC	11.6 FT	9.2 FT
6.7FT	71.9 FC	15.5 FT	12.3 FT
8.3FT	46.8 FC	19.2 FT	15.2 FT
10.0FT	32.3 FC	23.2 FT	18.4 FT

■ Vert. Spread:
■ 98.4° Horiz. Spread: 85.1°

12100-R2-D54-S-4

Illuminance at a Distance

Center Beam FC Beam Width

1.7FT	993 FC	3.9 FT	3.1 FT
3.3FT	263 FC	7.6 FT	6.1 FT
5.0FT	115 FC	11.6 FT	9.2 FT
6.7FT	63.9 FC	15.5 FT	12.3 FT
8.3FT	41.6 FC	19.2 FT	15.2 FT
10.0FT	28.7 FC	23.2 FT	18.4 FT

■ Vert. Spread:
■ 98.4° Horiz. Spread: 85.1°

12100-R2-D54-S-8

Illuminance at a Distance

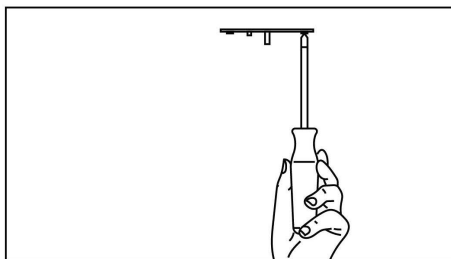
Center Beam FC Beam Width

1.7FT	1,986 FC	3.9 FT	3.1 FT
3.3FT	527 FC	7.6 FT	6.1 FT
5.0FT	230 FC	11.6 FT	9.2 FT
6.7FT	128 FC	15.5 FT	12.3 FT
8.3FT	83.3 FC	19.2 FT	15.2 FT
10.0FT	54.7 FC	23.2 FT	18.4 FT

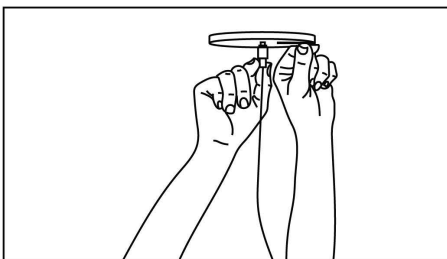
■ Vert. Spread:
■ 98.4° Horiz. Spread: 85.1°

Pendant Installation

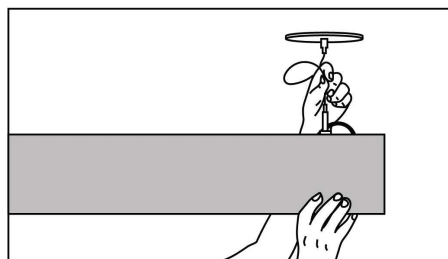
A simple design and adjustable components provide a flexible and hassle-free experience when installing the Continuum Series.



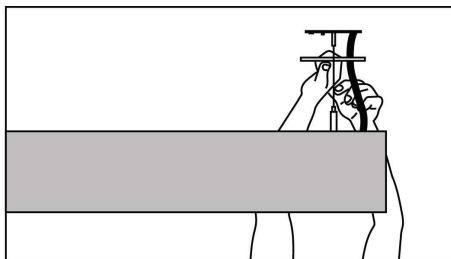
Step 1 Secure cross brackets to junction boxes for both power and non power mounting points.



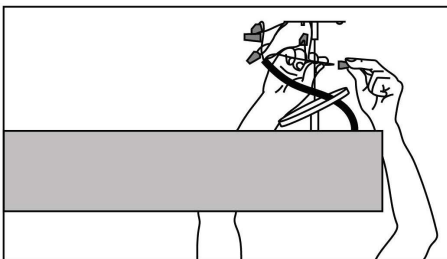
Step 2 Secure canopy with power canopy coupler (Power Feed Mount) & secure canopy with cable terminal (Non Power Feed Mount).



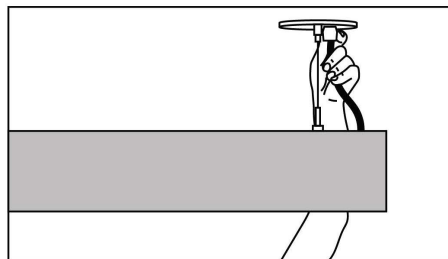
Step 3 Feed aircraft cable into cable grippers, adjust height and level luminaire.



Step 4 Unscrew outer coupler to allow access to junction box. Feed power cord through canopy.



Step 5 Secure canopy back in place with outer coupler.



Step 6 Snap strain relief around power cord. Press into canopy.

COLOR TEMPERATURE GUIDE



Alcon 12100-R2 & 12100-R2-RGBW Color-Changing or Regular White LED Tube Light