

FIXTURE SPECIFICATIONS

INTENDED USE

This architectural-grade LED R4 series is the larger sibling of our R4 series tube light fixtures. The R4 series has a 4-inch wide lens aperture opening compared to the 2.5-inch opening of R2 series. The high-CRI, color-tunable white or color-changing LED light affords up to 11,600 lumens per 8-foot fixture. The R4 series comes in standard lengths of 2-foot, 3-foot, 4-foot and 8-foot

lengths, series has seamless corner connectors sold separately for square fixture designs. Uplighting corner connectors available. This commercial-grade fixture is ideal for office, hospitality, studio, gallery, warehouse and even modern residential applications.

FEATURES

Construction: Aluminum channel

Continuous Row: Full ability to tandem mount for continuous run application equipped with a low profile coupling

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

Voltage: 50/60 Hz Constant Current 0-10V @ 120-277V, TRIAC & ELV @ 120V

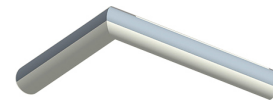
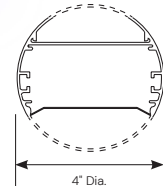
Dimming: 0-10V, TRIAC (Forward-phase), ELV (Reverse-phase)

Operating Temperature: -4°F (-20°C) ~ 122°F (50°C)

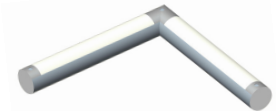
Life: 60,000 Hours L70

Warranty: 5 years (Static Colors) and 2 years (RGBW) Carefree for parts & components (Labor not included)

Listings: cULus, Assembled in USA



Corner Downlight is Seamless
Applies to Rectangle, Square and 90° Shape



Corner Uplight ends at Corner
Applies to Rectangle, Square and 90° Shape

ORDERING INFORMATION Example: (12100-R4-D4-S-2-27K-010-WH-8)

Model	LED Downlight	LED Uplight ¹	Shape	Single Run									
				2', 3', 4' or 8'	Color Temp	Dimming	Finish	Pendant Mounting	CRI	Controls	Options		
12100-R4	Per Foot Sections	Per Foot Sections	S	Cont. Run	27K	010	WH	Blank	8	Blank	Blank		
	D4	Blank	Single Run		2700K	0-10V	White	None Required	80+	Not Required	Not Required		
	D6	Not Required			30K	TRI	tte)		9 ⁸	TW-WWR-WH	EM8		
	6.75 Watts 899 lms	4.5 Watts 600lms	CR	Specify Run Length in Feet	3000K	TRIAC	RAL# 9003	AC4	90+	Tunable White	8W Emergency		
	D9	I6 ²	Continuous Run		35K	Forward Phase	BK	4' Adjustable		Wireless Wall Remote	Battery Backup		
	9 Watts 1198 lms	6.75 Watts 899lms	RC ⁴		40K	2-Wire (120V)	tte)	Aircraft Cable		White Finish			
	D12		Rectangle		50K	ELV	RAL# 9011	AC8		Wireless Wall Remote	EM15		
	12 Watts 1598 lms				5000K	Electronic Low Voltage Reverse Phase	SL	8' Adjustable		Black Finish	Battery Backup		
	D13					3-Wire (120V)	te)	ACX			EM20		
	13.5 Watts 1798 lms							Specify X in Feet (Max 30')			20W Emergency		
	Tunable White	Tunable White	SQ ⁴		Tunable White	050 ⁶	RAL# 9022	ST2		Tunable White	Battery Backup		
	TW-DLO ³	Blank	Square		TW2065 ⁶	Tunable White 0-10V		4' Stem		Wireless Desktop Remote Black Finish	EM25		
	480 lms	Not Required			Wired			ST4			25W Emergency		
	TW-DHO ³	TW-ILO ³	90 ⁴		TW2075 ⁶	RGBW & Wireless Tunable White 24V	-M	4' Stem		TW-2NI-WH ⁶	Battery Backup		
	768 lms	480 lms	90°		Wired		White Anti-Microbial ting	STX		Wired White Wall Switch	OS		
		TW-IHO ³			TW2762 ⁷	4-channel DMX512 decoder	XX	Specify X in Feet (Max 8')		RGBW-APP ⁷	Occupancy Sensor w/ Daylight Harvesting		
		768 lms			Wireless		Specify XXXX: Use RAL #			iOS/Android Bluetooth App	DS		
	RGBW	RGBW			Tunable White		nd on e 3			RGBW-MZ ⁷	Daylight Dimming Photo Sensor		
	RGBW-D10	Blank			2700-5000K					RF Remote Control Multi Zone	AB ⁹		
	10 Watts 425 lms	Not Required			RGBW						Separate Dimming Control of Uplight and Downlight		
	RGBW-D20	RGBW-I10			RGBW30					RGBW-DMX512 ¹⁰			
	20 Watts 850 lms	10 Watts 425 lms			RGB + W (3000K)					4-Channel DMX512 Decoder (85-265VAC)			
					RGBW42					RGBW-DMX5V ¹⁰			
					RGB + W (4200K)					4-Channel DMX512 Decoder (5VDC adapter)			

¹RGBW downlight can be paired with a static color temperature uplight or RGBW uplight
²Only compatible with D27 & D48 Downlight Wattages
³Must specify Wall or Desktop Remote Wireless Control for Wireless Tunable White (Only compatible with -TW2762)
⁴Length Minimum 2 Foot
⁵Wired tunable white options must be paired with 0-10V Driver (-050)
⁶Must specify with RGBW & Wireless Tunable White 24V Driver
⁷Not available for RGBW
⁸For RGBW, AB is only available through RGBW-MZ control or RGBW-APP
⁹Must specify with 4-channel DMX512 decoder

FINISHES

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

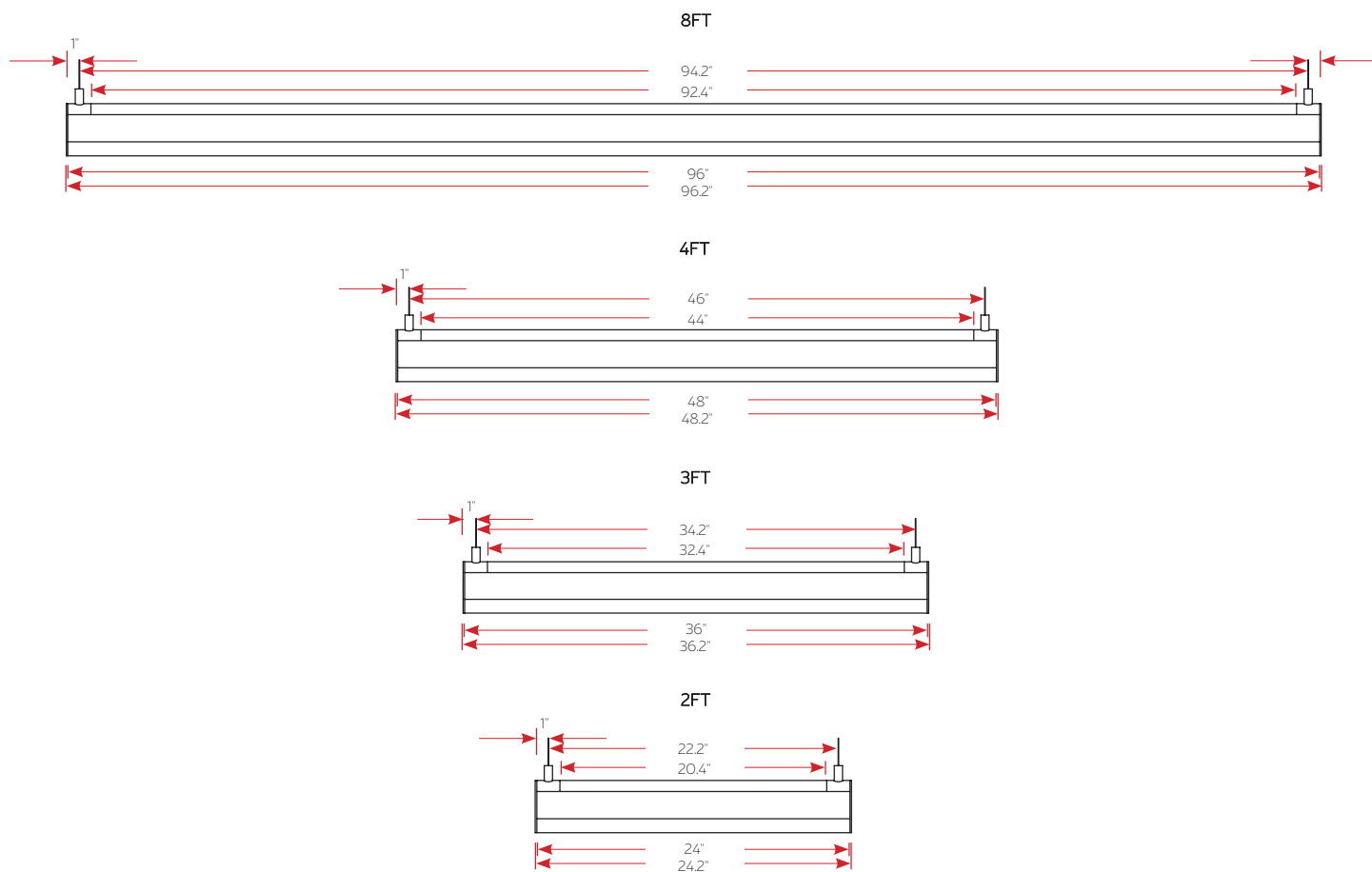
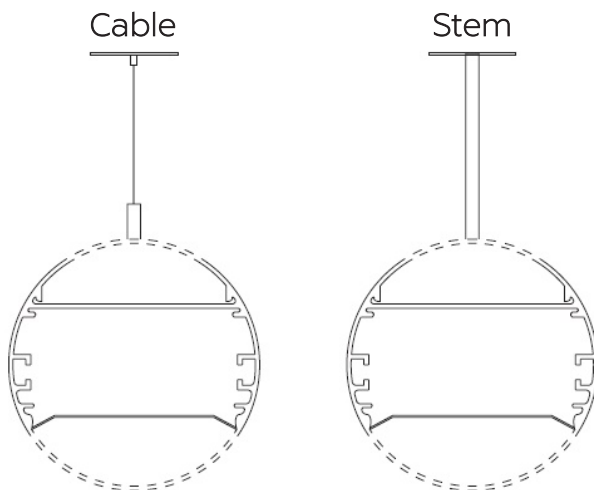
Metropolitan

	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





COMPATIBLE DIMMERS

LUTRON

Dynamic White

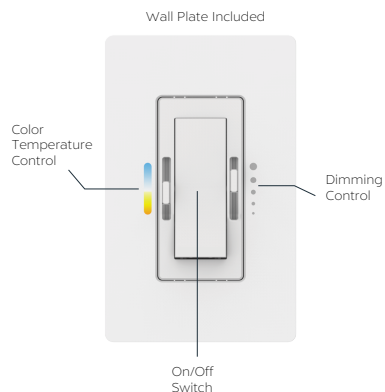
Triac	ELV	O-10V
TG-600P	DVELV-303P	NTSTV
LG-600P	SELV-300P	NFTV
TGCL-153P	MAELV-600	DVSTV
DV-600P	FAELV-500	
DVCL-153P		
S-603PG		
CT-103P		
S-600P		
6161	IPEO4	IP710-DLZ
6633-P	VPEO6-1LZ	
6683		
6631-2		
IPIO6-1LZ		

LEVITON

Wireless Tunable White Control

TUNABLE WHITE

TW-2N1-WH Dual Wall Switch



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

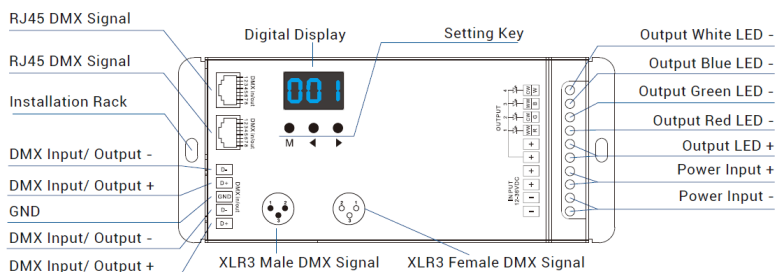
Zone	4 zone
Signal	DMX512 protocol
Input Voltage	85-265VAC
Dimensions	L 3.4" x H 3.4" x D 1.45"
Features	10 built-in mode, scene
Operating Temp.	-22°F ~ 131°F (-30°C ~ 55°C)



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

PHOTPMETRICS (FOR STATIC COLOR)

Direct

12100-R4-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-R4-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-R4-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-R4-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°			

Direct/Indirect

12100-R4-D27-U27-S-4			
Illuminance at a Distance			
	Center Beam FC	Beam Width	
1.7FT	470 FC	3.9 FT	3.3 FT
3.3FT	296 FC	7.6 FT	6.5 FT
5.0FT	129 FC	11.5 FT	9.8 FT
6.7FT	71.9 FC	15.5 FT	13.2 FT
8.3FT	46.8 FC	19.1 FT	16.3 FT
10.0FT	32.3 FC	23.1 FT	19.7 FT
■ Vert. Spread: 98.1°			
■ Horiz. Spread: 89.0°			

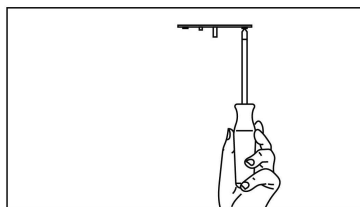
12100-R4-D27-U27-S-8			
Illuminance at a Distance			
	Center Beam FC	Beam Width	
1.7FT	940 FC	3.9 FT	3.3 FT
3.3FT	249 FC	7.6 FT	6.5 FT
5.0FT	109 FC	11.5 FT	9.8 FT
6.7FT	60.5 FC	15.5 FT	13.2 FT
8.3FT	39.4 FC	19.1 FT	16.3 FT
10.0FT	27.2 FC	23.1 FT	19.7 FT
■ Vert. Spread: 98.1°			
■ Horiz. Spread: 89.0°			

12100-R4-D54-U18-S-4			
Illuminance at a Distance			
	Center Beam FC	Beam Width	
1.7FT	982 FC	3.8 FT	3.1 FT
3.3FT	261 FC	7.4 FT	5.9 FT
5.0FT	114 FC	11.3 FT	9.0 FT
6.7FT	63.2 FC	15.1 FT	12.1 FT
8.3FT	41.2 FC	18.7 FT	14.9 FT
10.0FT	28.4 FC	22.6 FT	18.0 FT
■ Vert. Spread: 96.9°			
■ Horiz. Spread: 83.9°			

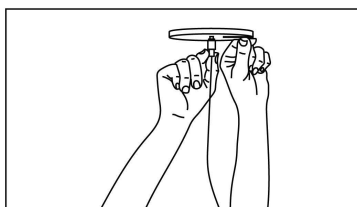
12100-R4-D54-U18-S-8			
Illuminance at a Distance			
	Center Beam FC	Beam Width	
1.7FT	1,965 FC	3.8 FT	3.1 FT
3.3FT	521 FC	7.4 FT	5.9 FT
5.0FT	227 FC	11.3 FT	9.0 FT
6.7FT	126 FC	15.1 FT	12.1 FT
8.3FT	82.4 FC	18.7 FT	14.9 FT
10.0FT	56.8 FC	22.6 FT	18.0 FT
■ Vert. Spread: 96.9°			
■ Horiz. Spread: 83.9°			

PENDANT INSTALLATION

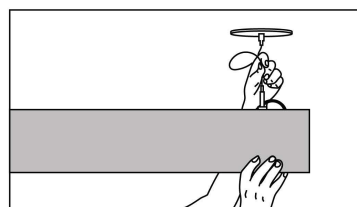
A simple design and adjustable components provide a flexible and hassle-free experience when installing the Continuum Series™.



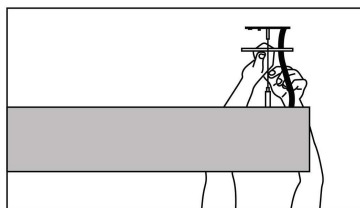
Step 1 Secure cross brackets to junction boxes for both power and non power mounting points.



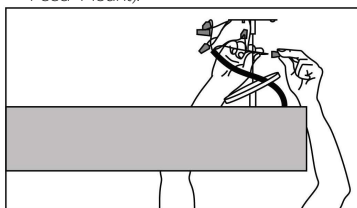
Step 2 Secure canopy with power canopy coupler (Power Feed Mount) & secure canopy with cable terminal (Non Power Feed Mount).



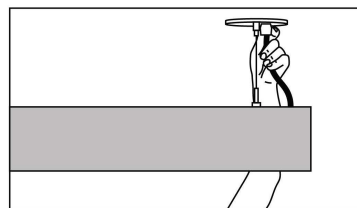
Step 3 Feed aircraft cable into cable grippers, adjust height and level luminaire.



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-R4 & 12100-R4-RGBW Linear LED Tunable-White & RGBW