

FIXTURE SPECIFICATIONS

INTENDED USE

Install architectural-grade R4 series rotatable tube lighting, larger than R2 series tube lights, for evenly distributed, all-around uplighting and downlighting. With a four-inch wide lens aperture opening compared to the 2.5-inch opening of R2 series, the R4 series has a high-CRI, color-tunable white LED light affording up to 11,600 lumens per eight-foot light fixture. The R4 series comes in standard lengths of 2-foot, 3-foot, 4-foot and 8-foot lengths with seamless corner connectors (sold separately for square fixture designs). Our commercial-grade light illuminates the medical office, lab and other healthcare applications. Coated with antimicrobial white paint to resist rust and corrosion.

FEATURES

Construction: Die-formed and welded 22-gauge cold rolled steel

Finish: White antimicrobial finish (prevents bacterial growth on exposed painted surfaces.)

Continuous Run: Full ability to tandem mount for continuous run application

Custom Design: Offered with pre-fabricated and fully illuminated corners

Lens: Glare-free frosted acrylic flat or 1/2" drop lens for even distribution

Voltage: 50/60 Hz constant current 0-10V @ 120-277V, TRIAC & ELV @ 120V RGBW tunable white @ 120-277V

Dimming for Static Color: 0-10V, TRIAC (forward-phase), ELV (reverse-phase)

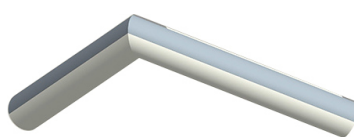
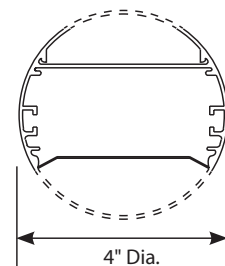
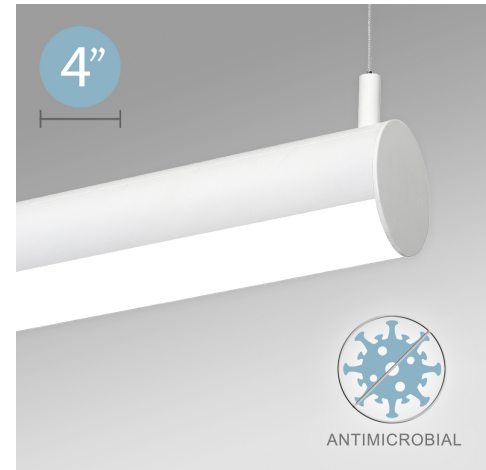
RGBW Smart Phone App: Light mesh Bluetooth App for [iOS](#) and [Android](#)

Life: +60,000 Reported L70 hours @ 55°C

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

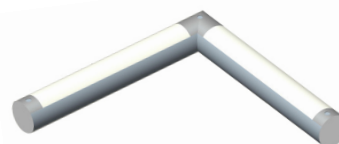
Warranty: 5 years (dynamic colors) and 2 years (RGBW & tunable white) carefree for parts & components (labor not included)

Listings: cULus Listed, UL listed for damp location, DLC listed (Excludes RGBW), ADA compliant (Less than 4" off wall)



Corner Downlight is Seamless

Applies to Rectangle, Square and 90° Shape options



Corner Uplight ends at Corner

Applies to Rectangle, Square and 90° Shape options



ORDERING INFORMATION Example: (12501-R4-D4-S-2-27K-010-AC4-8)

MODEL		12501-R4 4" Dia.		
LED DOWNLIGHT PER FOOT		DYNAMIC WHITE D4 4.5 Watts 665 lms D6 6.75 Watts 825 lms D9 9 Watts 1140 lms D12 12 Watts 1371 lms D13 13.5 Watts 1614 lms	TUNABLE WHITE TW-DLO 480 lms TW-DHO 768 lms	RGBW RGBW-D10 10 Watts 425 lms
LENGTH	(Specify in Feet)	S_{xx} Single Run _{xx} = 2', 3', 4', 6' or 8' CR_{xx} Continuous Run _{xx} = Length RC_{xx} Rectangle ⁵ _{xx} = Width & Length SQ_{xx} Square ⁵ _{xx} = Width & Length 90_{xx} 90° Angle ⁵ _{xx} = Leg 1 & Leg 2		
COLOR TEMPERATURE		DYNAMIC WHITE 27K 2700K Warm White 30K 3000K Soft White 35K 3500K Neutral White 40K 4000K Cool White 50K 5000K Daylight	TUNABLE WHITE TW2750 2700-5000K ⁷ TW2065 2000-6500K ⁷ TW2762 2700-6200K (Wireless) ⁸	RGBW RGBW24 RGB + W (2400K) RGBW27 RGB + W (2700K) RGBW30 RGB + W (3000K) RGBW42 RGB + W (4200K)
DRIVER		010 0-10V 1% TRI Triac (120V) ELV Electronic Low Voltage ES566 eldoLED 0-10V SOLOdrive BLS Bi-Level Step 40/100% BLS_{xx} Bi-Level Step _{xx} /100% TLS Tri-Level Step 30/70/100%	050 Tunable White 0-10V	24V RGBW & Wireless Tunable White ⁸
PENDANT MOUNTING		AC4 4' Adjustable Aircraft Cable AC8 8' Adjustable Aircraft Cable ACX Specify X in Feet (Max 30')	ST2 2' Stem ST4 4' Stem STX Specify X in Feet (Max 8')	
CRI		8 80+ CRI	9 90+ CRI ⁹	
CONTROLS		DYNAMIC WHITE Blank Not Required LV Lutron VIVE Wireless FE Fulham Elite Control	TUNABLE WHITE TW-WWR-BK Black Wall Remote TW-WWR-WH White Wall Remote TW-DWR-BK Black Desktop Remote	RGBW RGBW-APP iOS/Android Bluetooth App RGBW-SZ Wireless RF Remote Control Single Zone RGBW-MZ Wireless RF Remote Control Multi Zone
WARRANTY		Blank 5 Year Warranty ^{Standard}	W7 7 Year Warranty	W10 10 Year Warranty
OPTIONS		EM5 5W Emergency Battery EM8 8W Emergency Battery EM16 16W Emergency Battery	OS Occupancy & Daylight Harvesting Sensor DS Daylight Dimming Photo Sensor ELCU-200 Fail-to-on Emergency UL924	GTD Bodine Generator Transfer Device COC Chicago Code Compliance Separated EM Feed
VIVE CONTRL SYSTEM		VDO Integral RF Occupancy/Daylight (EcoSystem) VRF Integral RF (EcoSystem)	FCJ50 PowPak (0-10V) FCJSE PowPak (EcoSystem) FCJSOEM EM UL924 PowPak (0-10V) FCJSEEM EM UL924 PowPak (EcoSystem)	RMJS8T PowPak RF (0-10V) RMJSECO32 PowPak RF Single Zone (EcoSystem) RMJS8TEM EM UL924 PowPak RF (0-10V)
FULHAM CONTRL SYSTEM		ELIOP-SR Occupancy & Daylight Harvesting (Short Range) ELIOP-LR Occupancy & Daylight Harvesting (Long Range)	SR-W White Wireless Single Rocker Pad DR-W White Wireless Double Rocker Pad	

- 1 Only available for Pendant and Wall Mounts with General Downlight Optics
- 2 RGBW downlight can be paired with a static color temperature uplight or RGBW uplight
- 3 Only compatible with D6 & D12 Downlight Wattages
- 4 Must specify Wall or Desktop Remote Wireless Control for Wireless Tunable White

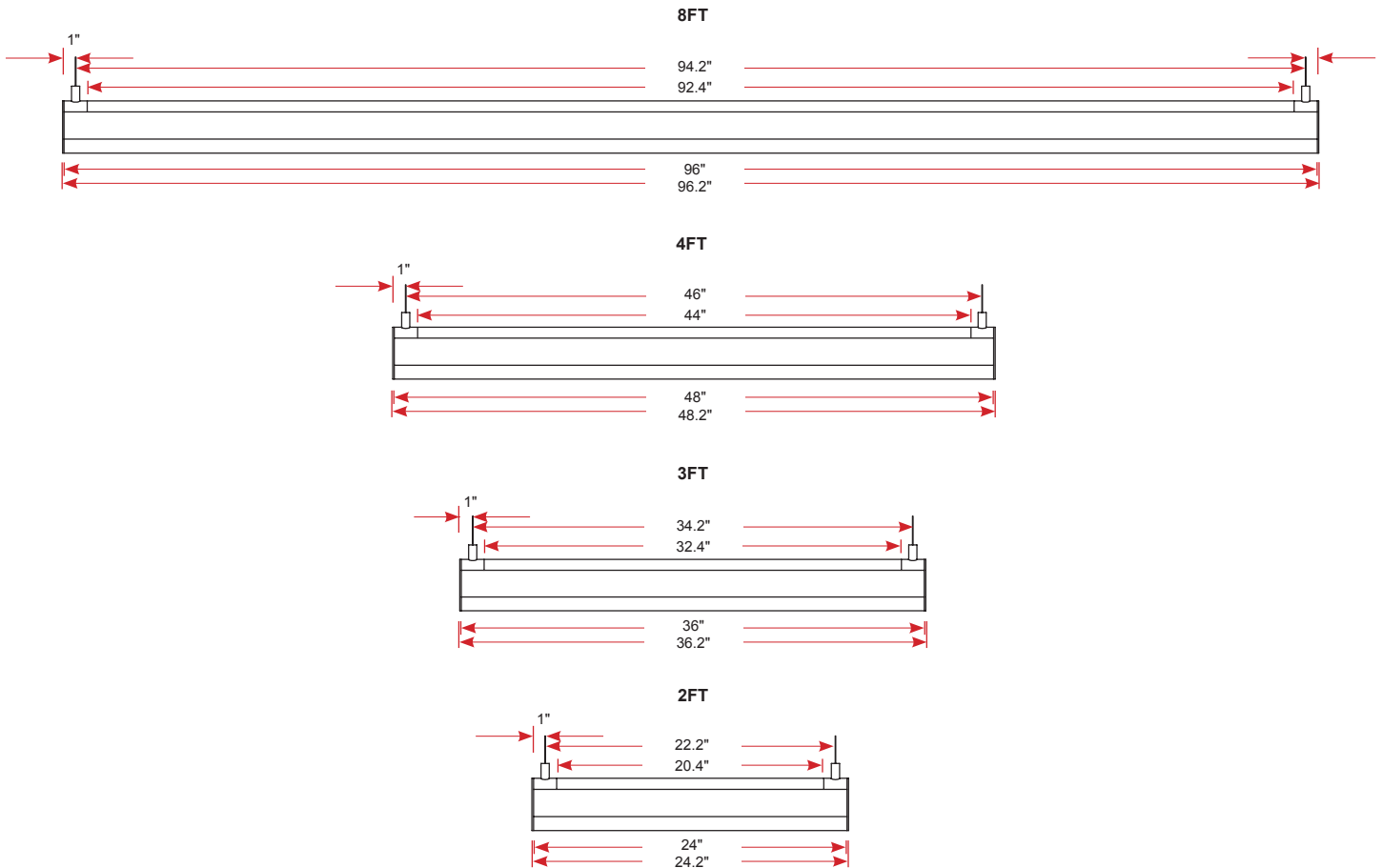
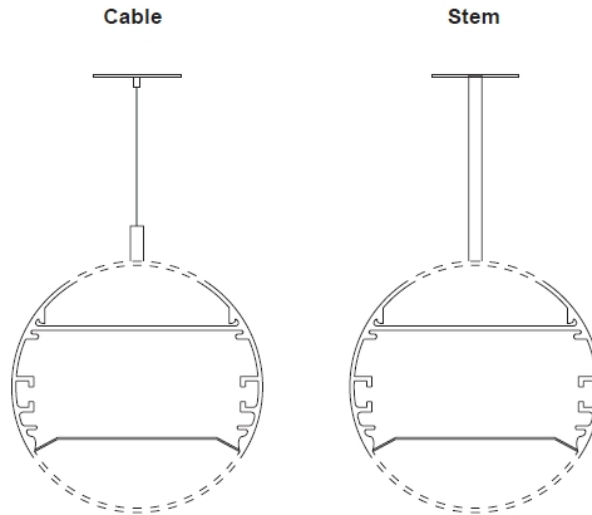
- 5 Length Minimum 2 Foot
- 6 Draw your custom shape and send us your idea to rfq@alconlighting.com
- 7 Must be Paired with 050 Driver
- 8 Must specify for RGBW & Wireless Tunable White 24V Driver

- 9 Not available for RGBW
- 10 Required for Tunable White
- 11 Required for RGBW

Application Images



Fixture Dimensions



Compatible Dimmers

MFG	Triac	ELV	0-10V	0-10V Tunable White For use with TW2750 & TW2065 Must order two to control Dimming + ON/OFF & color temp tuning
	TG-600P LG-600P TGCL-153P DV-600P DVCL-153P S-603PG CT-103P S-600P	DVELV-303P SELV-300P MAELV-600 FAELV-500	NTSTV NFTV DVSTV	DVTV DVSTV
		6161 6633-P 6683 6631-2 IPI06-1LZ	IPE04 VPE06-1LZ	IP710-DLZ

Wireless Tunable White Control

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"

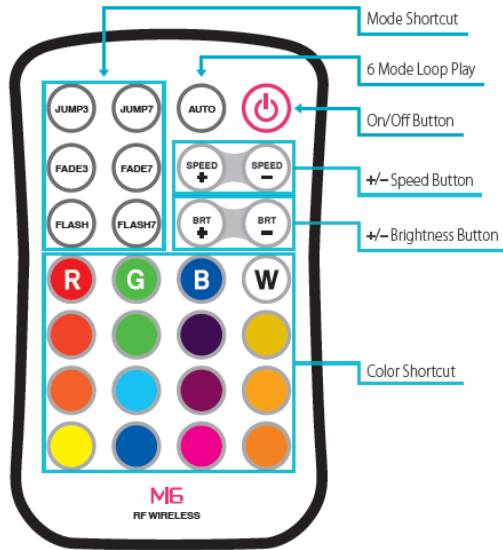


Desktop

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



RGBW-SZ | RF Remote Control Single Zone



Dimensions	H 5-3/4" x W 2-5/16" x D 3/8"
Supply Voltage	24V DC constant voltage
Signal Type	RF (Radio Frequency) 433.92MHz
Range	165ft from fixture
Maximum Load	24V @ DC 216W
Working Temp.	-4°F to 131°F (-20°C to 55°C)
Battery	3V (CR2032 battery)

Wall mount plate is included

RGBW-MZ | RF Remote Control Multi Zone



Dimensions	L 5.7" x W 2.1" x H 0.86"
Input Voltage	DC5V (Built-in Lithium battery)
Working Frequency	2.4 GHz
Max. Distance	98ft from fixture
Maximum Load	24V @ 360W
Change Mode	18 color modes
Scale Level	1024 x 1024 x 1024
Weight (G.W.)	0.44 lbs
Working Temp.	-22°F to 131°F (-30°C to 55°C)
Zone	up to 10

Wall mount plate is included

Preset Modes

1	3 Color jump	10	Green / Cyan fade
2	7 Color jump	11	Blue / Purple fade
3	White flash	12	Green / Yellow fade
4	7 Color flash	13	Blue / Cyan fade
5	RGB fade in / out	14	Red / Purple fade
6	Red / Green fade	15	Blue / White fade
7	Red / Blue fade	16	Yellow / Purple / Cyan fade
8	Green / Blue fade	17	RGB fade
9	Red / Yellow fade	18	Full-color fade

Controls

Smart Sensors	Protocol	Compatible Networks	Occupancy	Daylight	Temperature Reporting	Communication to Luminaire
	Lutron Clear Connect	Lutron Vive System Network	Enabled	Enabled	No	Wireless
	eliteBlue	EliteControl SmartBridge	Enabled	Enabled	No	Wireless

LUTRON

Controls Installed on the Fixture



VDO
Individual
Fixture Control

Shipped LUTRON VIVE Enabled with VDO Vive Integral Fixture Control (with Sensing).



VRF
Individual
Fixture Control

Shipped LUTRON VIVE Enabled with VRF Vive Integral Fixture Control (RF Only) Install on the Fixture.



FCJ50
Individual
Fixture Control

Shipped LUTRON VIVE Enabled FCJ50 Control Module Installed on the Fixture.



FCJ5E
Individual
Fixture Control

Shipped LUTRON VIVE Enabled FCJ5E Control Module Control Module Installed on the Fixture.



FCJ50EM
Individual
Fixture Control

Shipped LUTRON VIVE Enabled FCJ50 Control Module Installed on the Fixture.



FCJ5EEM
Individual
Fixture Control

Shipped LUTRON VIVE Enabled FCJ5EEM Control Module Control Module Installed on the Fixture.



RMJS8TEM
Individual
Fixture Control

Shipped LUTRON VIVE Enabled RMJS8TEM Control Module Control Module Installed on the Fixture.



RMJS8T
Individual
Fixture Control

Shipped LUTRON VIVE Enabled RMJS8T Control Module Installed on the Fixture.



RMJSECO32
Individual
Fixture Control

Shipped LUTRON VIVE Enabled RMJSECO32 Control Module Control Module Installed on the Fixture.



Controls Installed on the Fixture

ELIOP-SR

Short Range, Bluetooth compatible occupancy and Daylight Harvesting Sensor.



ELIOP-LR

Long range, Bluetooth compatible occupancy and Daylight Harvesting Sensor.



Controls Provided by Fulham



SR-W - Bluetooth Single
Rocker Pad



SR-D - Bluetooth Double
Rocker Pad

Photometrics (for Static Color Temperatures)

Direct

12501-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°

12501-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°

Direct/Indirect

12501-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°

12501-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°

12501-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°

12501-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°

12501-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°

12501-R4-D54-U18-S-8

Illuminance at a Distance

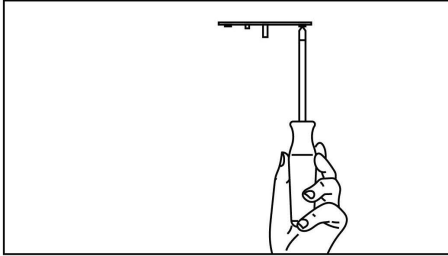
Center Beam FC Beam Width

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

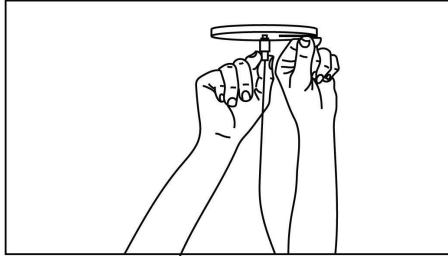
■ Vert. Spread: 96.9°
■ Horiz. Spread: 83.9°

Pendant Installation

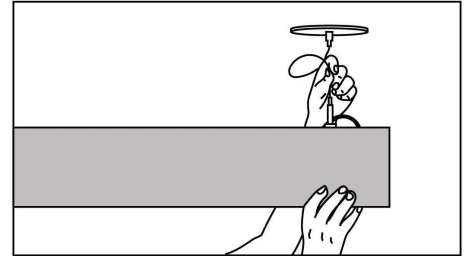
A simple design and adjustable components provide a flexible and hassle-free experience when installing the Continuum Series.



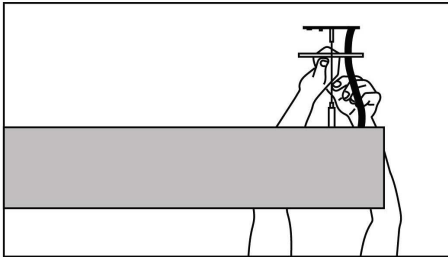
Step 1: Secure cross brackets to junction boxes for both power and non power mounting points.



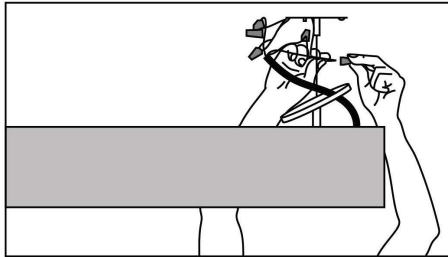
Step 2: Secure canopy with power canopy coupler (Power Feed Mount) & secure canopy with cable terminal (Non Power Feed Mount).



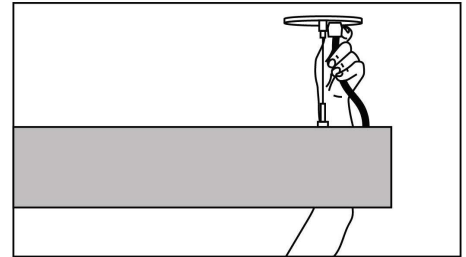
Step 3: Feed aircraft cable into cable grippers, adjust height and level luminaire.



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

