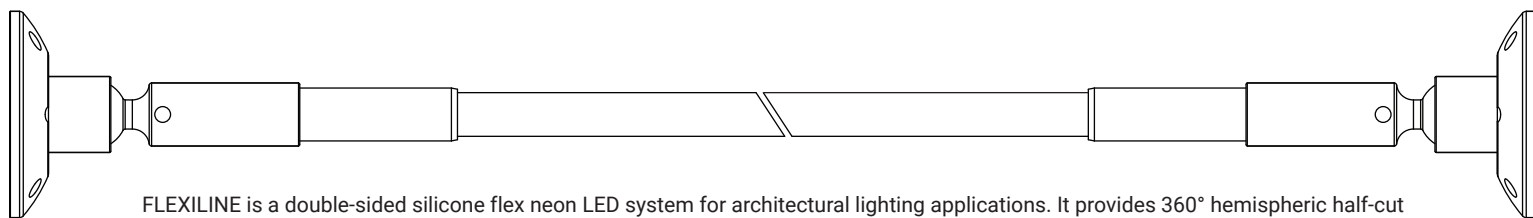


INTRODUCING
FLEXILINE
Designed for Architectural and Spatial Lighting Applications



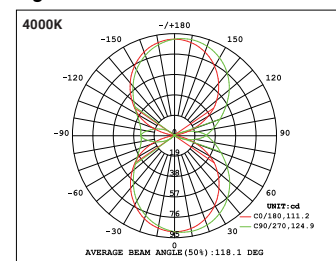
FLEXILINE is a double-sided silicone flex neon LED system for architectural lighting applications. It provides 360° hemispheric half-cut distribution, with a center line that separates the two luminous sides while preserving uniform output. The system connects through a single or multi-outlet canopy (up to six outputs) to support wall-to-wall or ceiling-to-wall 3D installations. An internal steel support wire allows runs up to 16 feet without sagging. Rated IP54 and operating at 24V, FLEXILINE offers a 2700K–6000K color temperature range, delivering reliable illumination for ambient, task, or decorative use across ceilings, walls, and transitional spaces.

Technical Details

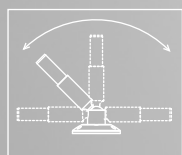
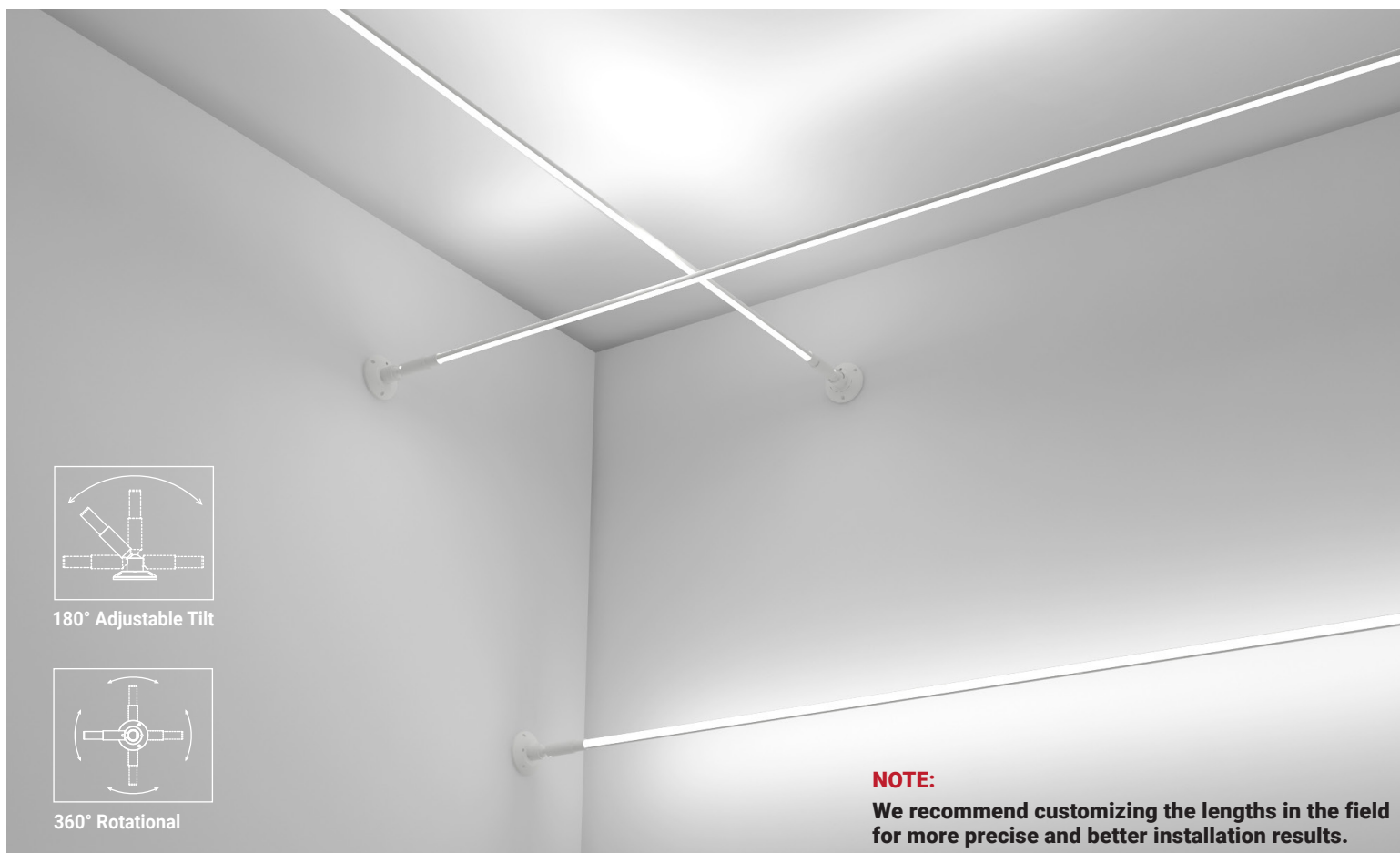
Power	3.1 W/ft
Voltage	24V
CRI	90+
Color Quality	2-Step MacAdam Ellipse
LPW	45 lm/W
LED Qty	61/ft
Max Run(ft)	16 ft
Cutting Length	Every 0.19" (field-cutttable)
Dimensions	W0.71" X H0.59"
Working Temp.	Max. 65°C / 149°F – Min. -25°C / -13°F
Life Time	L70 > 60,000 Hours

Color Temp.	3.1 W/ft	lm/W
2700K	120 lm/ft	39 lm/W
3000K	120 lm/ft	38 lm/W
3500K	120 lm/ft	40 lm/W
4000K	140 lm/ft	44 lm/W
5000K	130 lm/ft	41 lm/W
6000K	140 lm/ft	45 lm/W

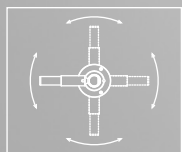
Light Distribution Curve



RoHS IP54



180° Adjustable Tilt

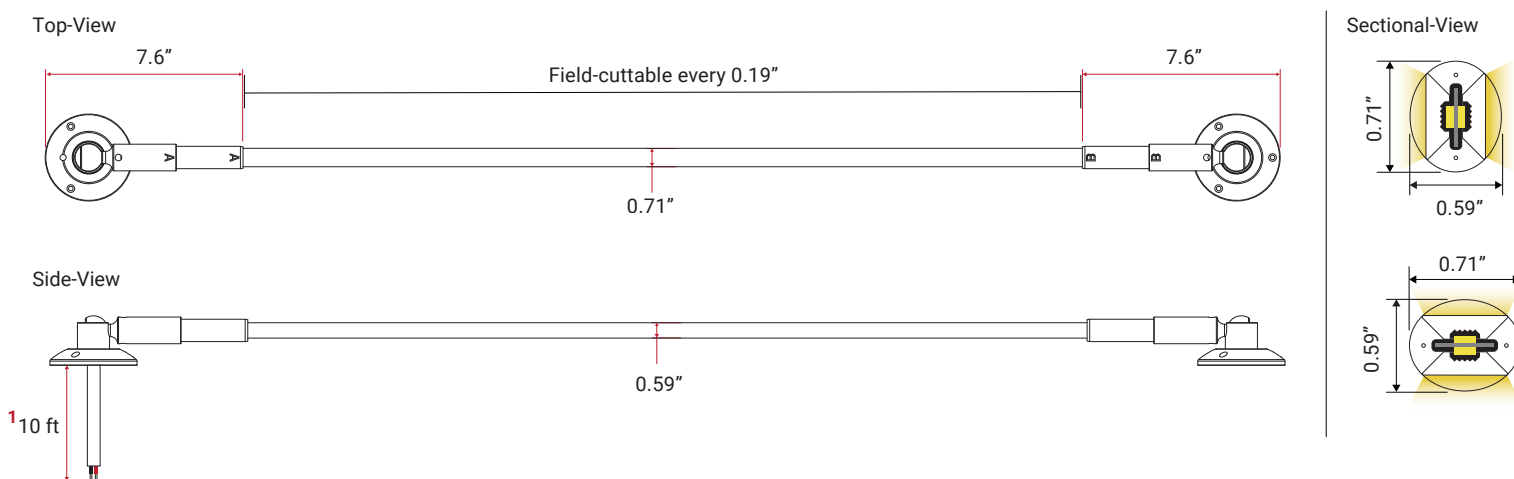


360° Rotational

NOTE:

We recommend customizing the lengths in the field for more precise and better installation results.

Dimensions



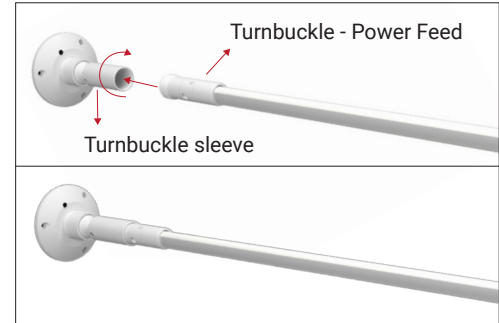
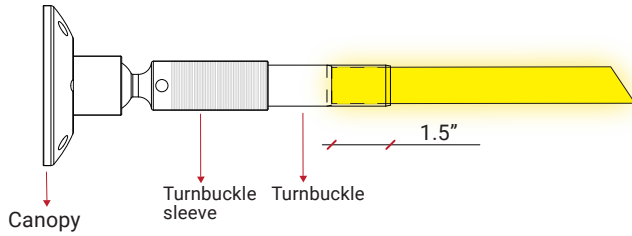
Canopy Positioned For Wall-to-Wall Installations



1 The flexiline LED strip includes a 10 ft UL-compliant FT6 power cable attached to one side. Only the single-feed canopy is Compatible with a standard 4" square junction box, (requires 4" round plaster ring).

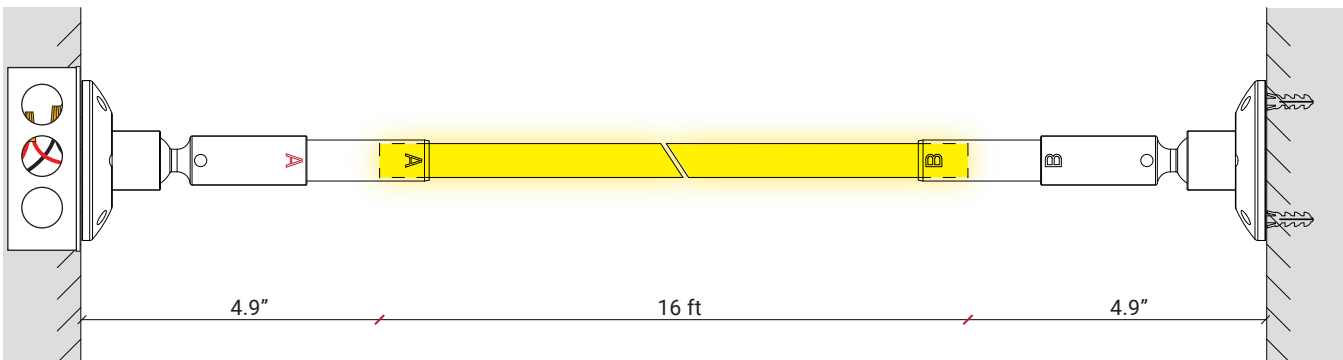
Canopy Technical Details

1. To adjust the length and tension of the FLEXILINE light, rotate the turnbuckle inside the turnbuckle sleeve, which is housed within the canopy.



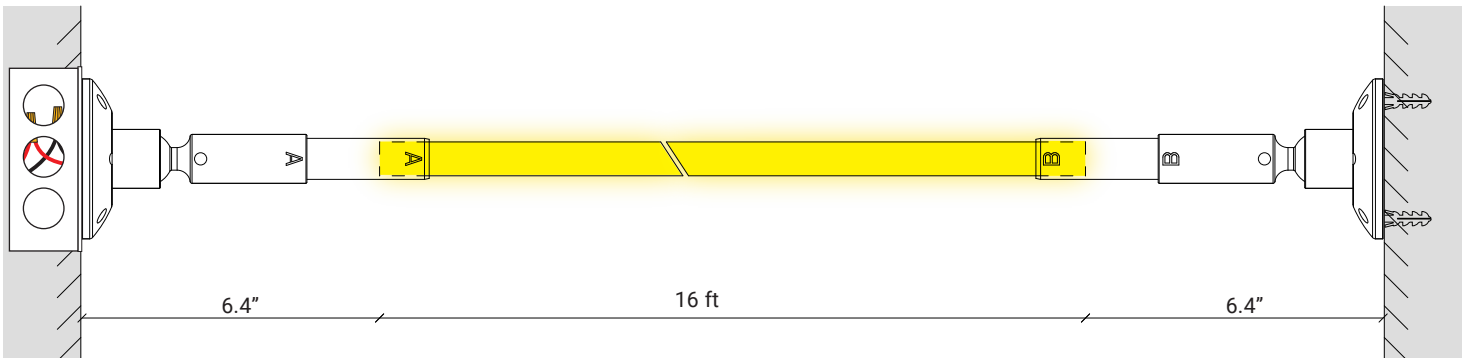
2. Installation Distance (Taking one 16 ft light strip as an example)

Minimum installation distance: 16.82 ft



Power Feed Installation – Compatible with standard 4" square J-box (requires 4" round plaster ring).

Maximum installation distance: 17.07 ft

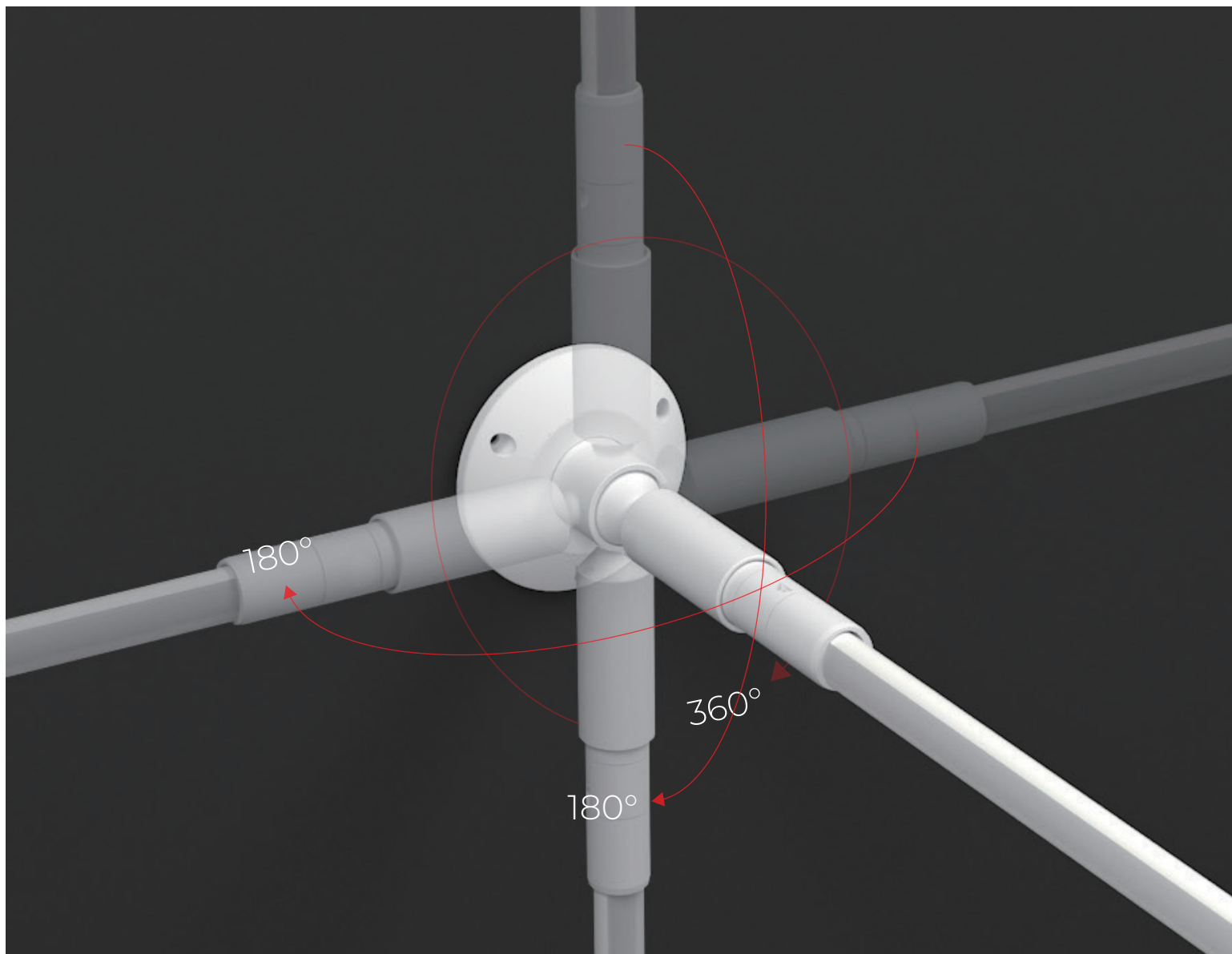


Power Feed Installation – Compatible with standard 4" square J-box (requires 4" round plaster ring).

Attention

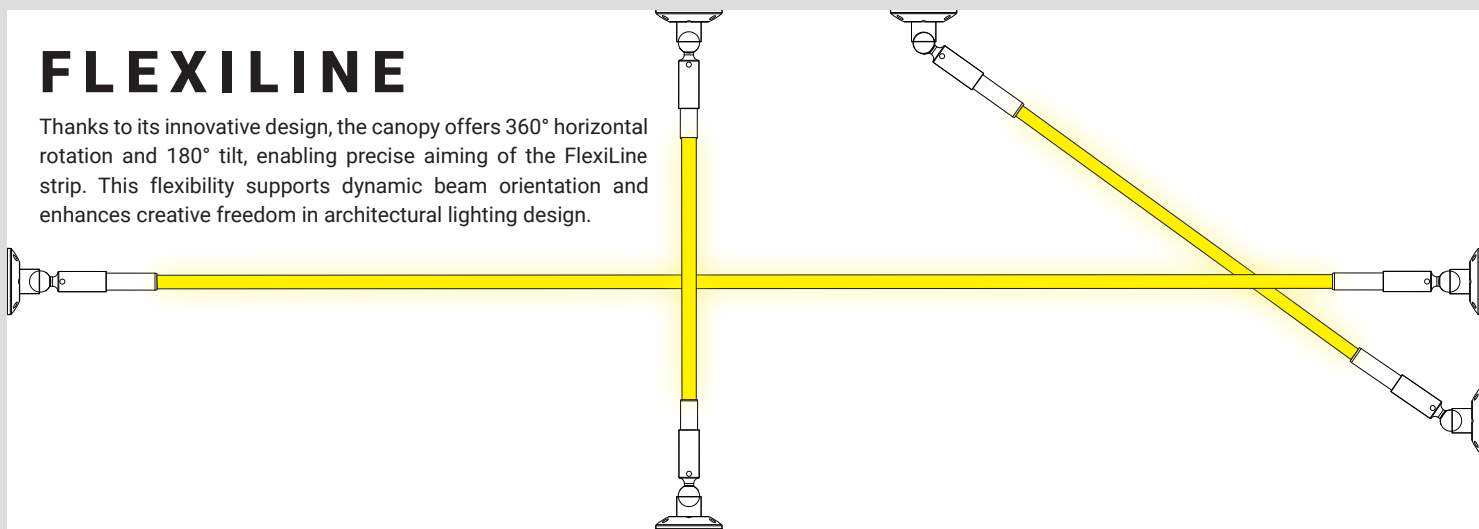
- The length of the neon light strip = installation distance minus approximately 8 inches
- 16 ft is the length of the neon light strip. The actual installation length should also include the length of the accessories
- Using a 16 ft light strip as an example, the total installation length of the complete set is approximately between 16.82 ft and 17.07 ft
- It is recommended to install the A-end outlet first, followed by the B-end
- We recommend customizing the lengths in the field for more precise and better installation results
- Side A: Supplied with threaded end cap pre-installed and 10 ft UL-compliant FT6 power cable
- Side B: Supplied open (without threaded end cap) to allow field-cutting; end cap must be installed on-site
- Only the single-feed canopy is compatible with a standard 4" square junction box (requires 4" round plaster ring)

For detailed information about the installation system, please refer to the installation guide and the installation videos available on the website.



FLEXILINE

Thanks to its innovative design, the canopy offers 360° horizontal rotation and 180° tilt, enabling precise aiming of the FlexiLine strip. This flexibility supports dynamic beam orientation and enhances creative freedom in architectural lighting design.

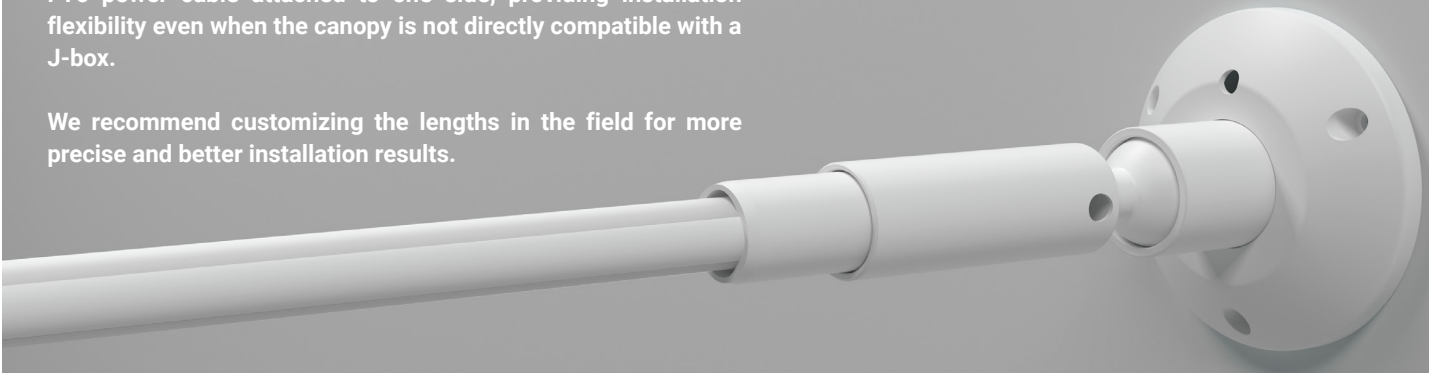


NOTE:

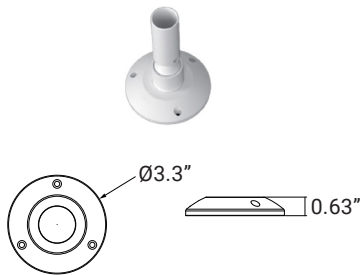
The FLEXILINE fixture is available with canopy options ranging from a single outlet up to 6 outlets. The single-outlet canopy is designed to fit a standard 4" square J-box, while the larger multi-outlet versions cannot be directly secured to the J-Box due to their size.

Each silicone flex neon run is supplied with a 10 ft UL-compliant FT6 power cable attached to one side, providing installation flexibility even when the canopy is not directly compatible with a J-box.

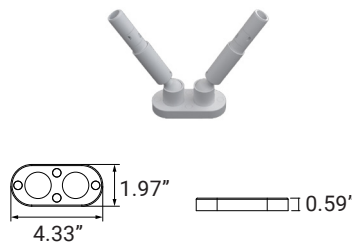
We recommend customizing the lengths in the field for more precise and better installation results.



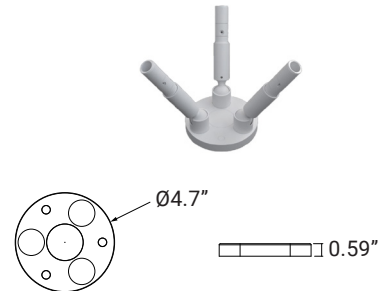
Canopy Options



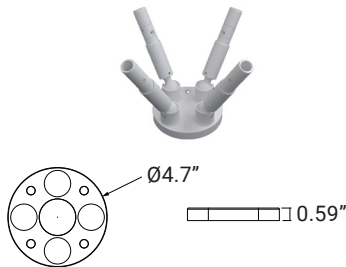
1 Feed Canopy
Compatible with a standard 4" square junction box.
1FC



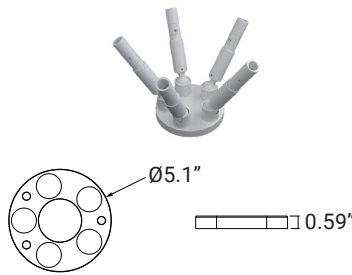
2 Feed Canopy
2FC



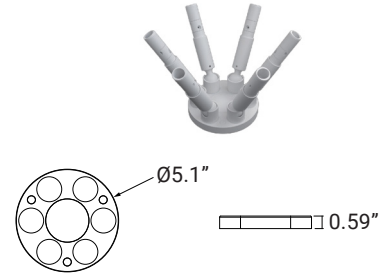
3 Feed Canopy
3FC



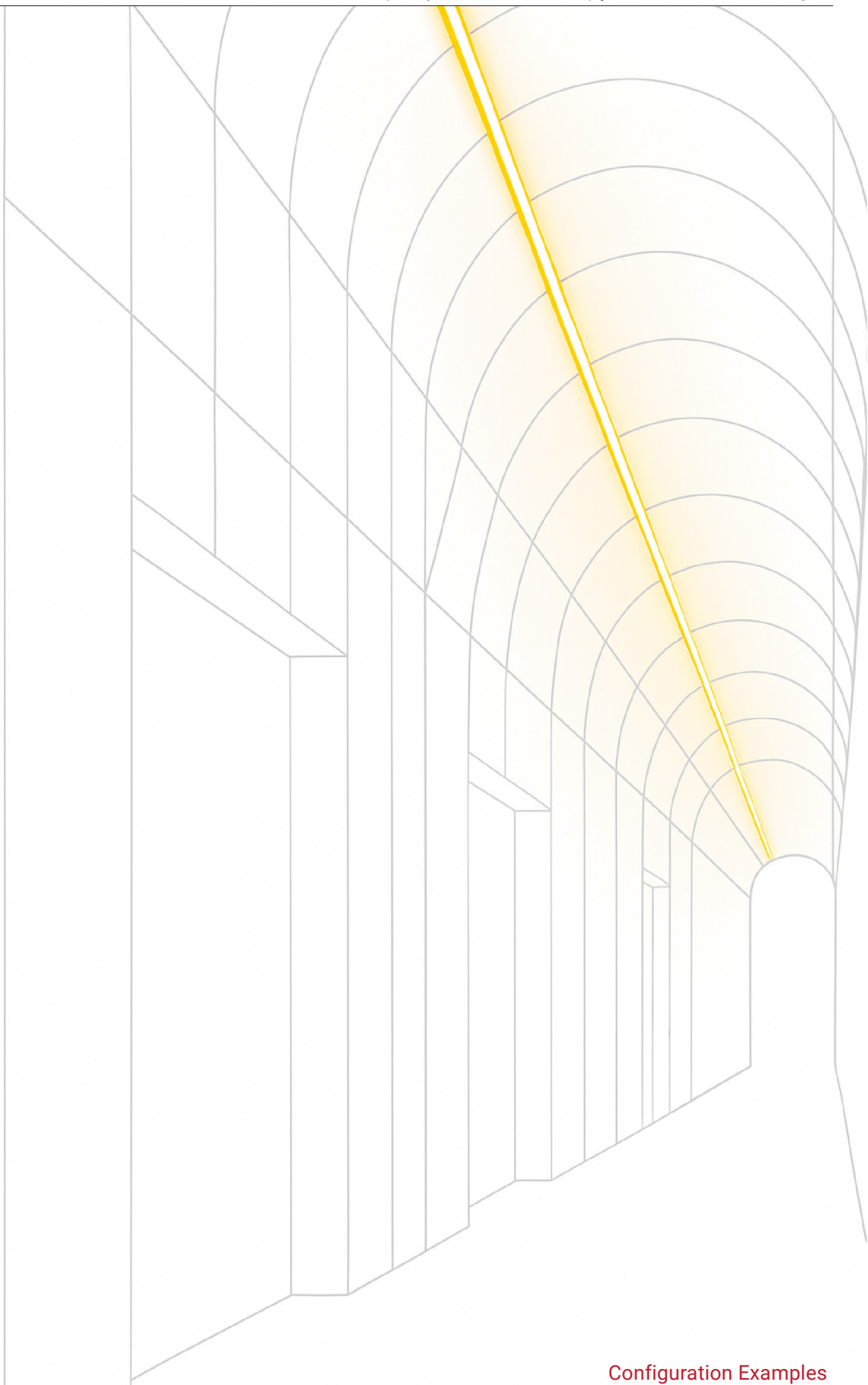
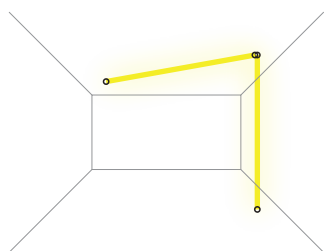
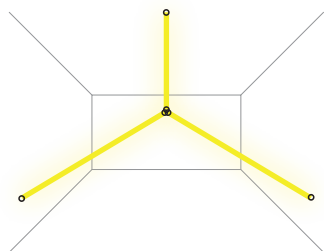
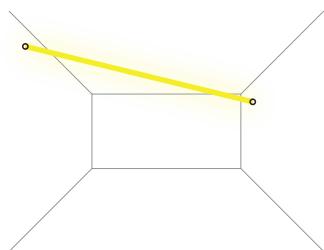
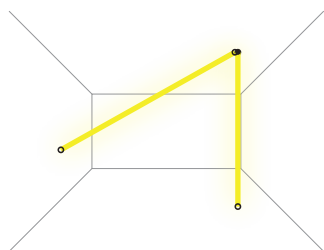
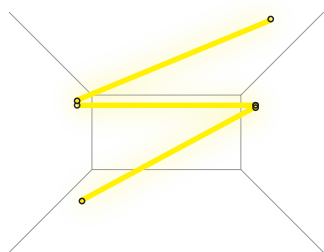
4 Feed Canopy
4FC



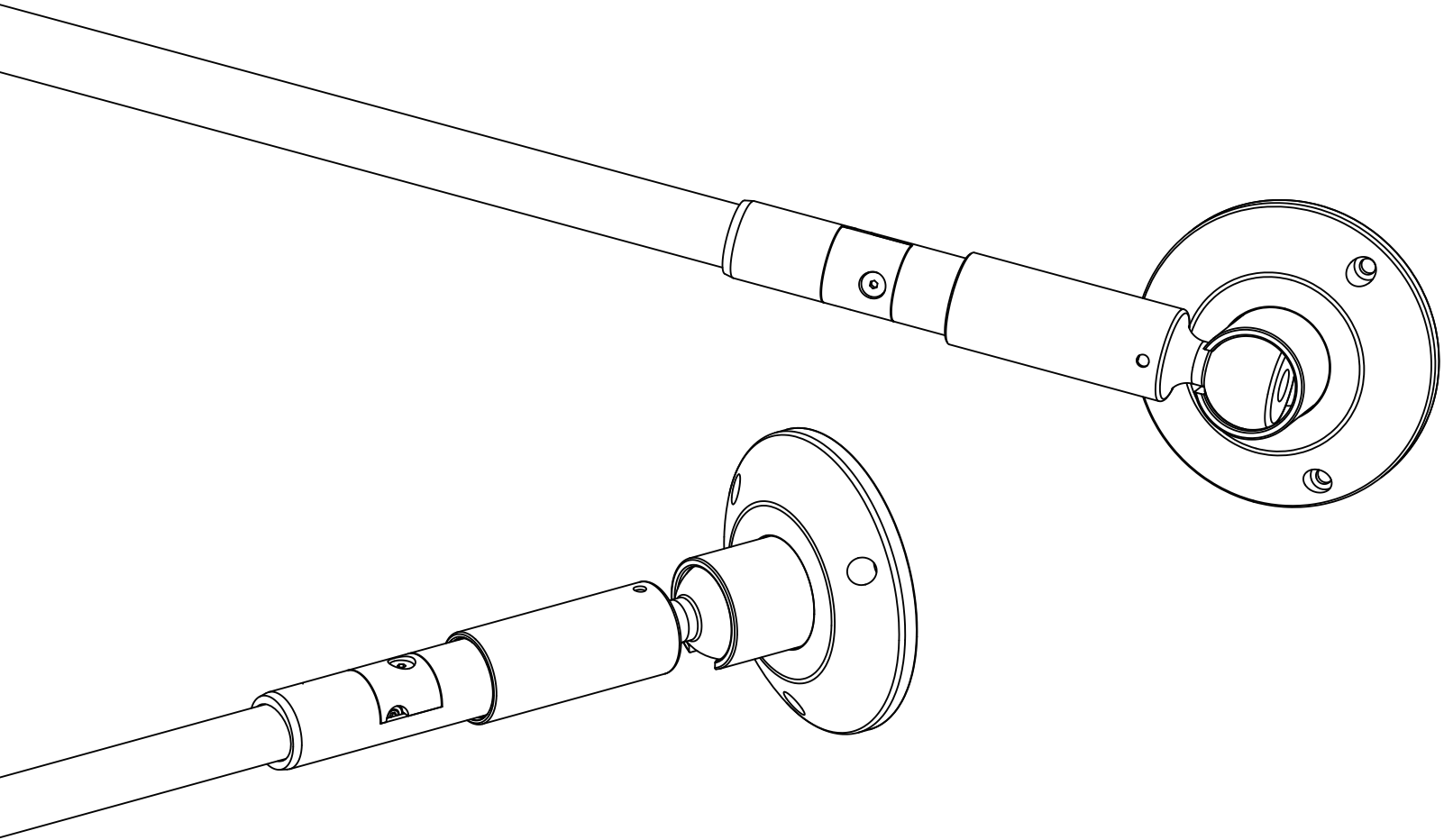
5 Feed Canopy
5FC



6 Feed Canopy
6FC



Configuration Examples



ORDERING SELECTION

Example: LB8000-16-FLX-ST-3W-16F-30K-24V

LB8000-16-FLX-ST							
SERIES	WATTAGE	LENGTH	CCT	VOLTAGE	³ CANOPY	CANOPY QUANTITY	CANOPY FINISH
LB8000-16-FLX-ST	3W - 3.1W/ft	¹ 16F - 16 ft Roll ² C - Custom (Cutting length every 0.19")	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K 60K - 6000K	24V - 24V	1FC - 1 Feed Canopy 2FC - 2 Feed Canopy 3FC - 3 Feed Canopy 4FC - 4 Feed Canopy 5FC - 5 Feed Canopy 5FC - 6 Feed Canopy	Specify the quantity of canopies needed	WH - White BK - Black RAL - Consult factory

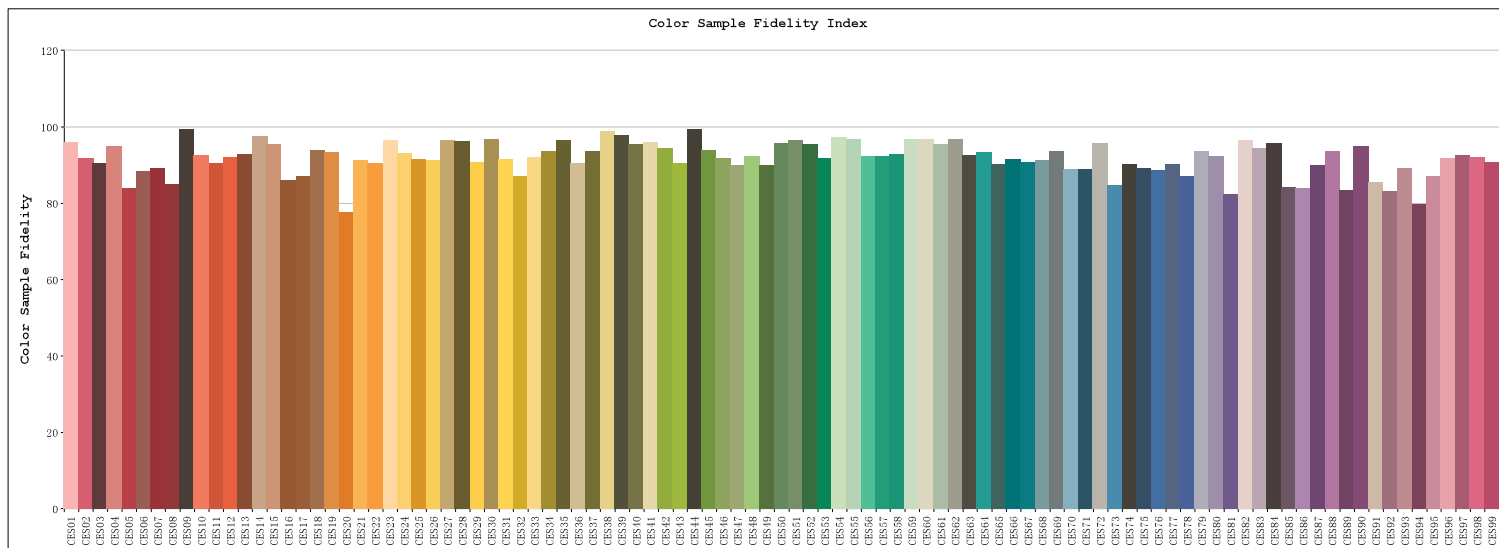
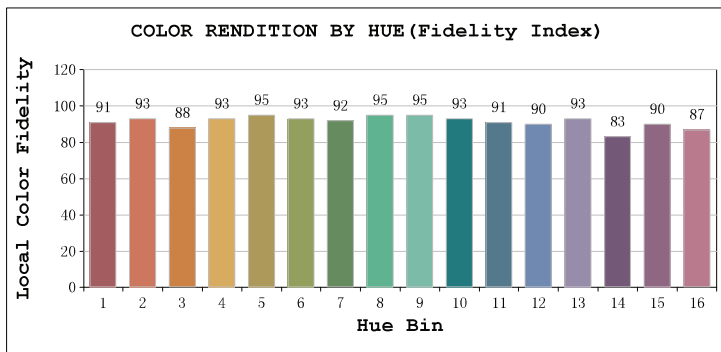
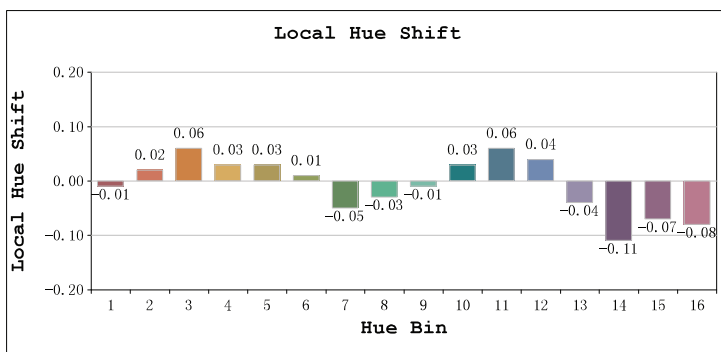
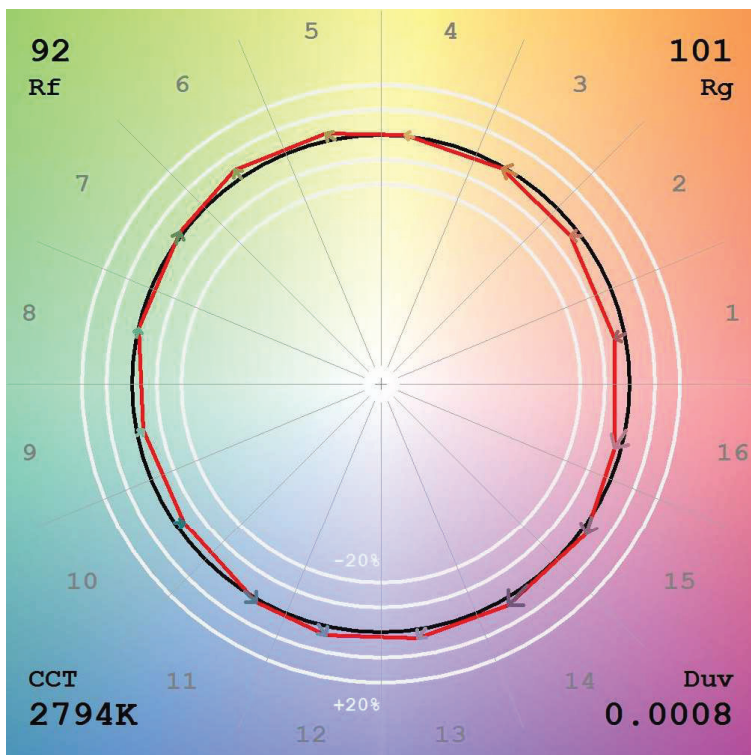
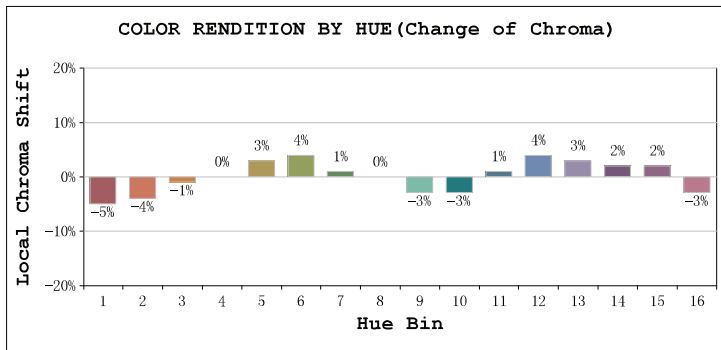
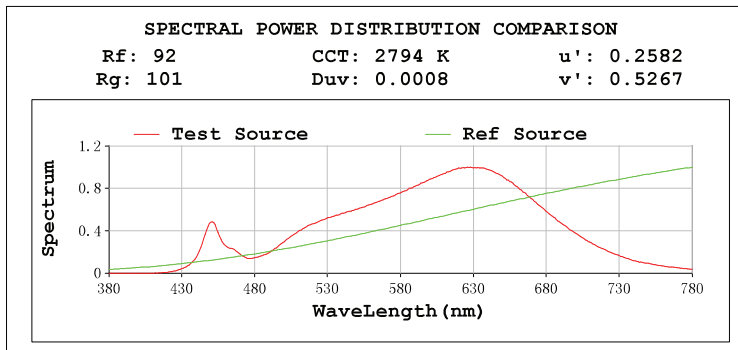
DRIVER	CONTROLLERS	SHIPPING OPTIONS
Refer to the next pages for available options.	LB-2830A - RF single color controller LB-2833N-K5-MONO - RF single color dimmer LED25W-24 - Power supply LB-1009EAWI - RF+WiFi receiver	RL - Rolls 16ft PA - Pre-Assembled FA - Fully Assembled

1. Side A of the flex neon comes with the threaded end cap pre-installed and a 10 ft lead attached. Side B is shipped without the threaded end cap to allow for custom lengths and must be installed on-site.

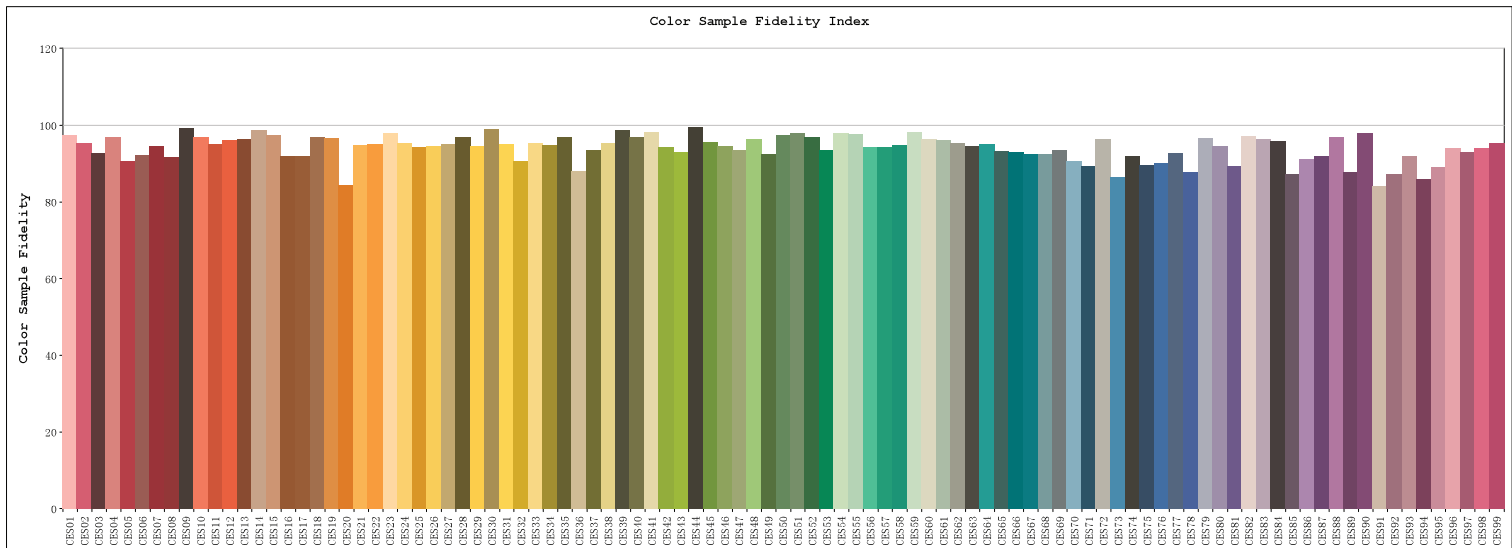
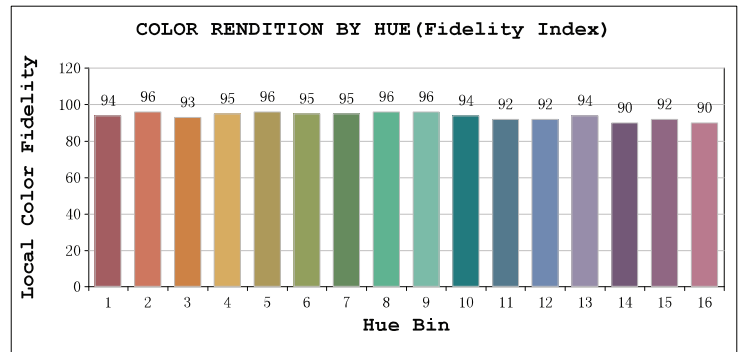
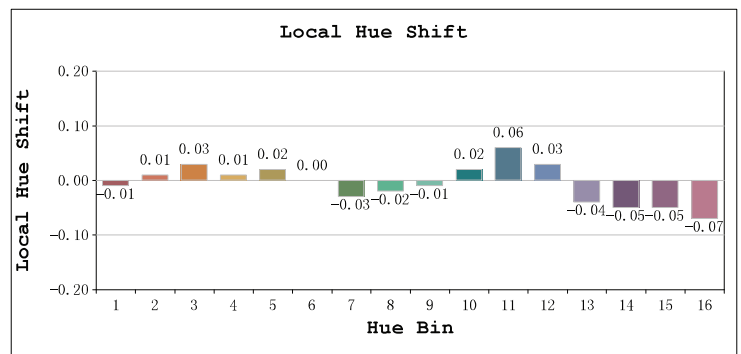
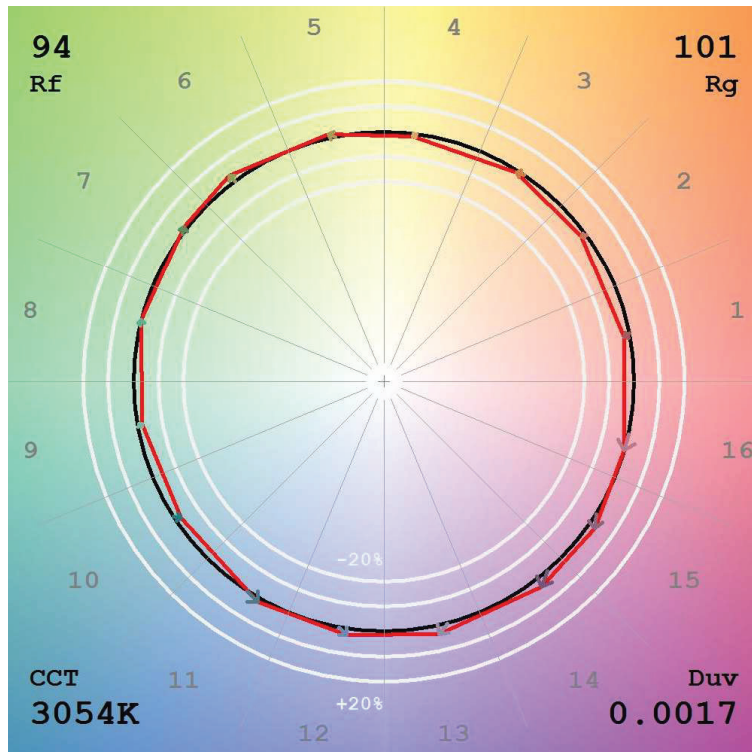
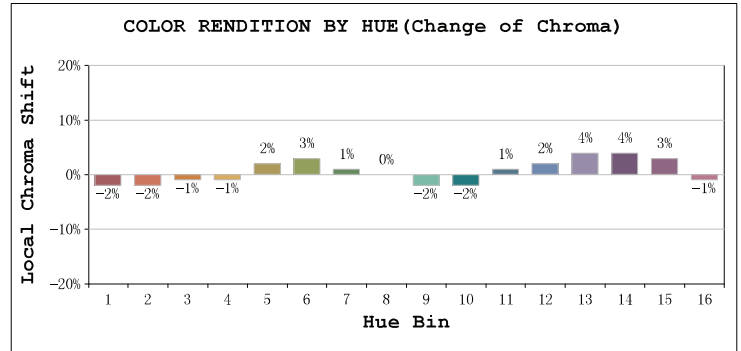
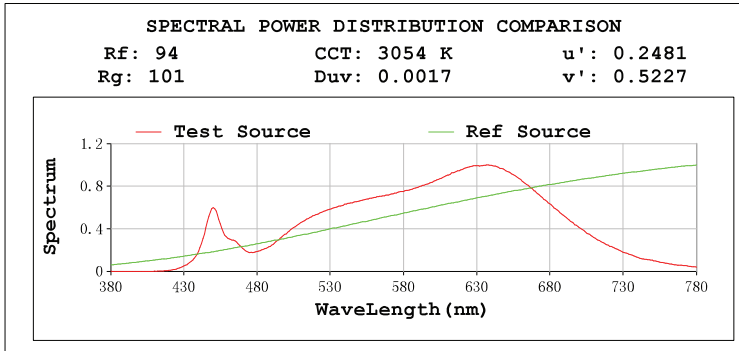
2. We recommend customizing the lengths in the field for more precise and better installation results.

3. Only the 1FC single-feed canopy is compatible with a standard 4" square junction box (requires a 4" round plaster ring), while the larger multi-outlet versions cannot be directly secured to the J-box due to their size.

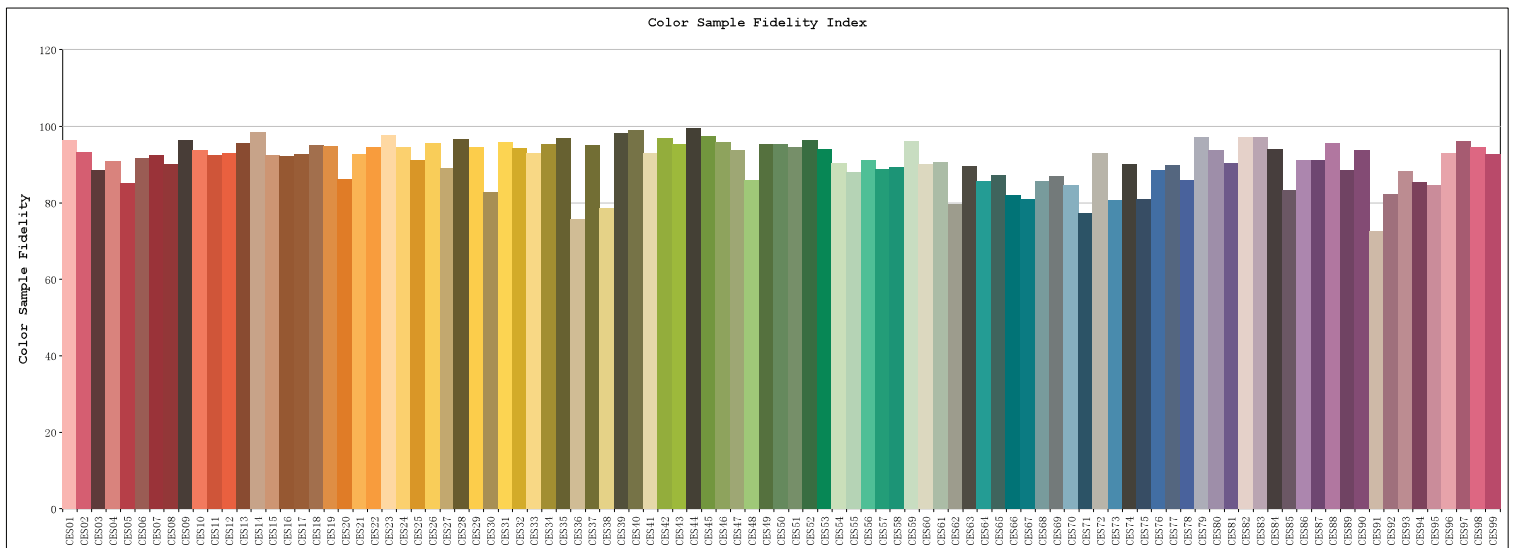
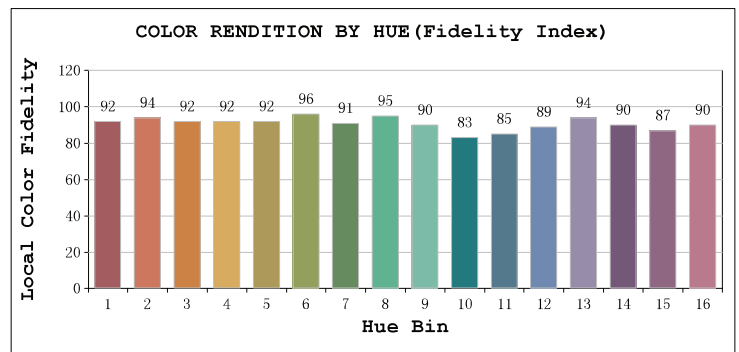
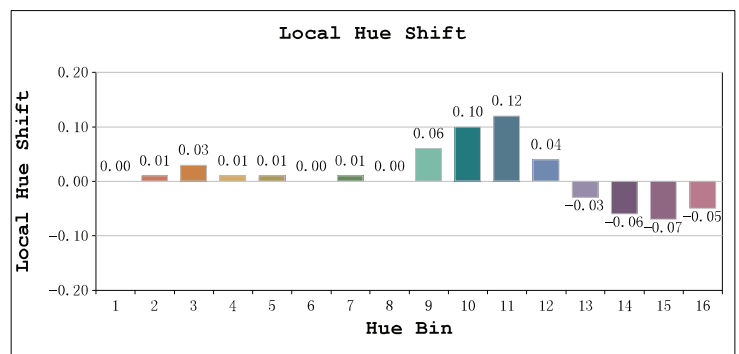
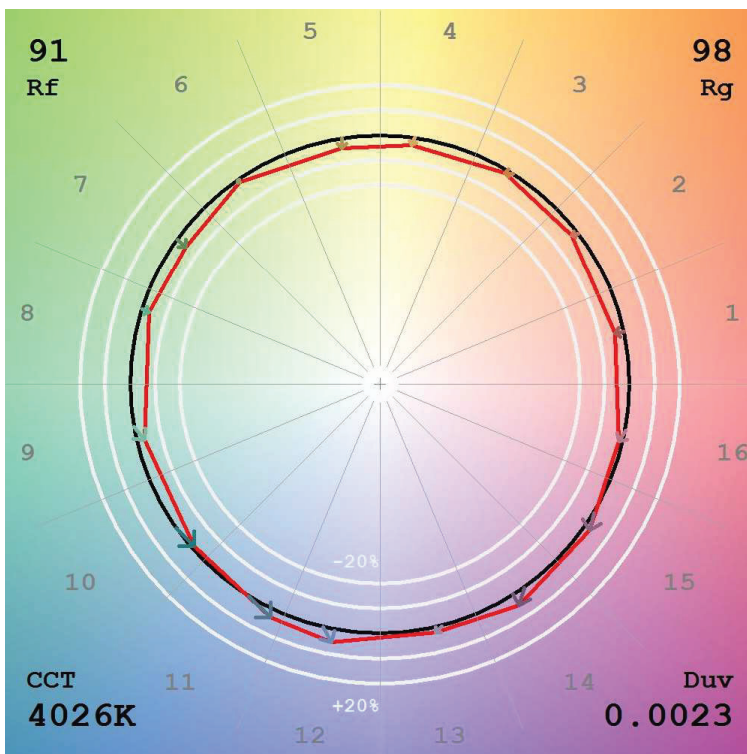
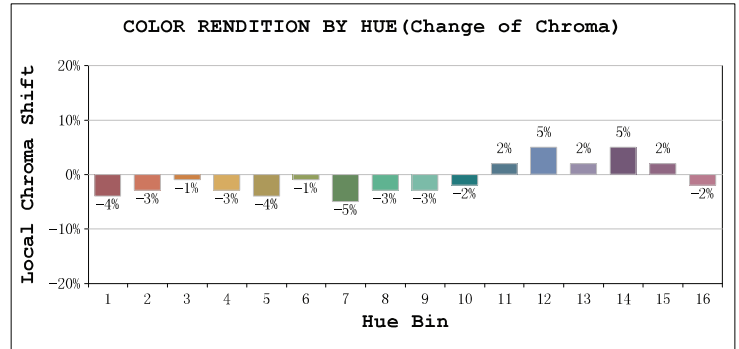
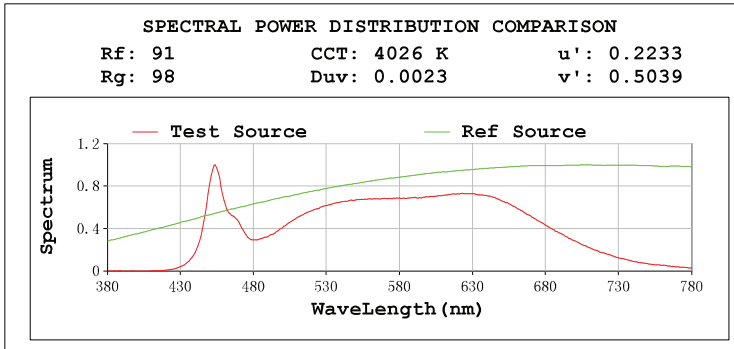
TM30 / 2700K



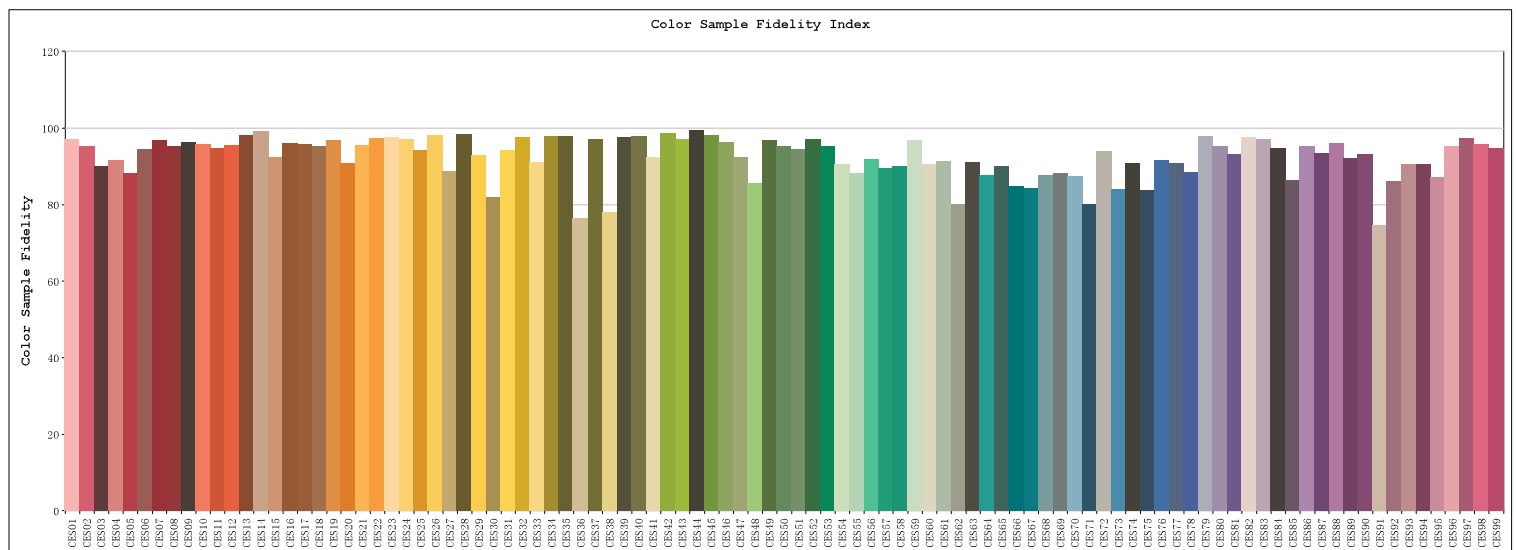
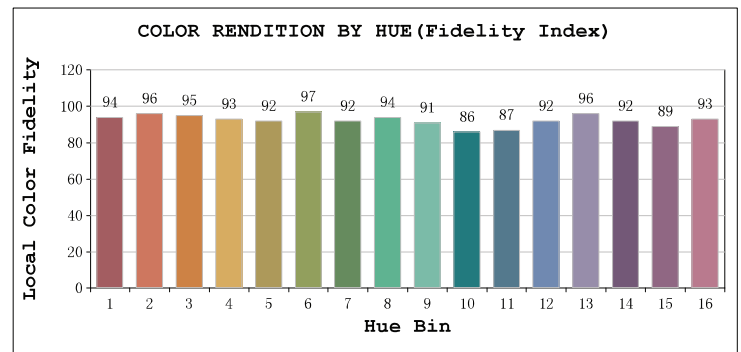
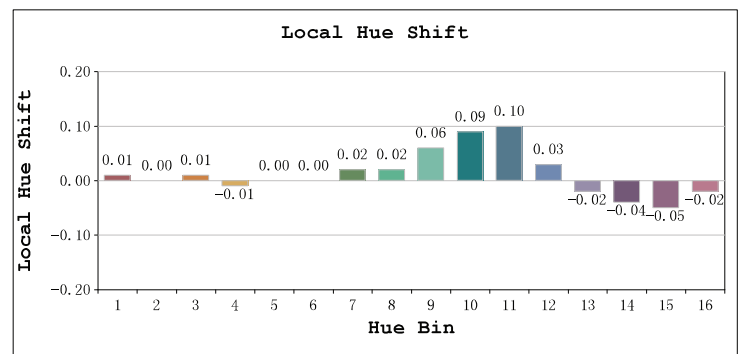
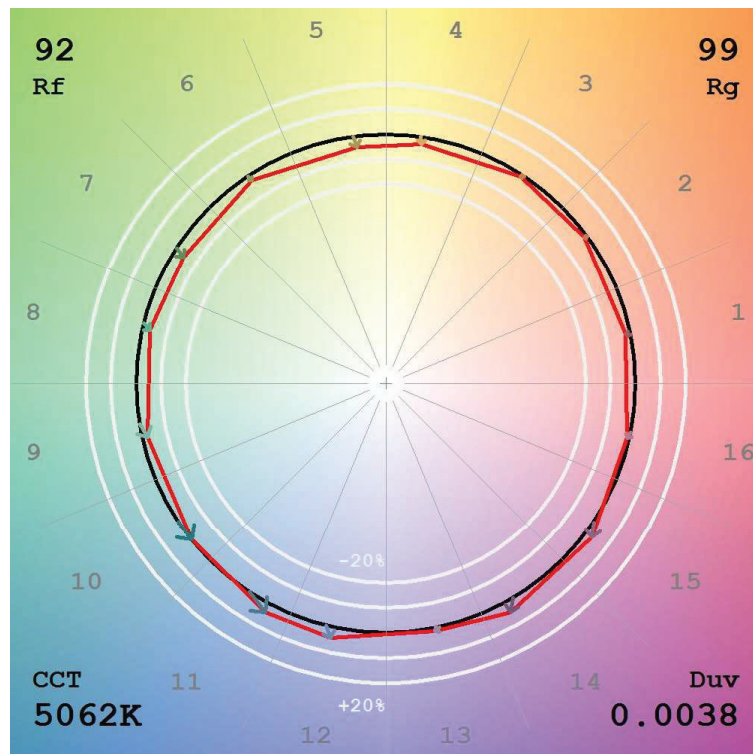
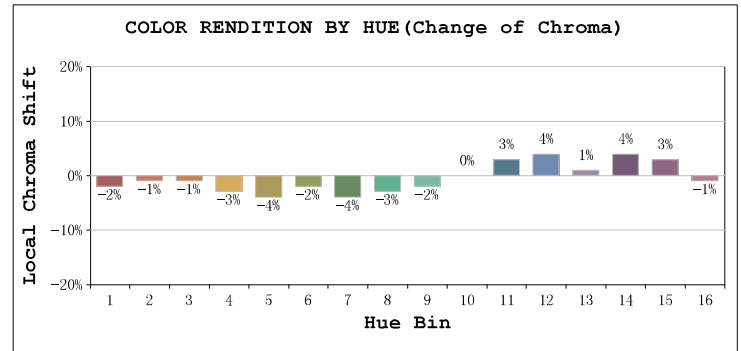
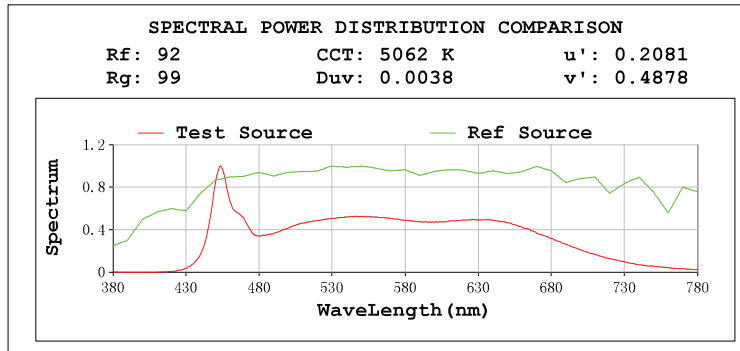
TM30 / 3000K



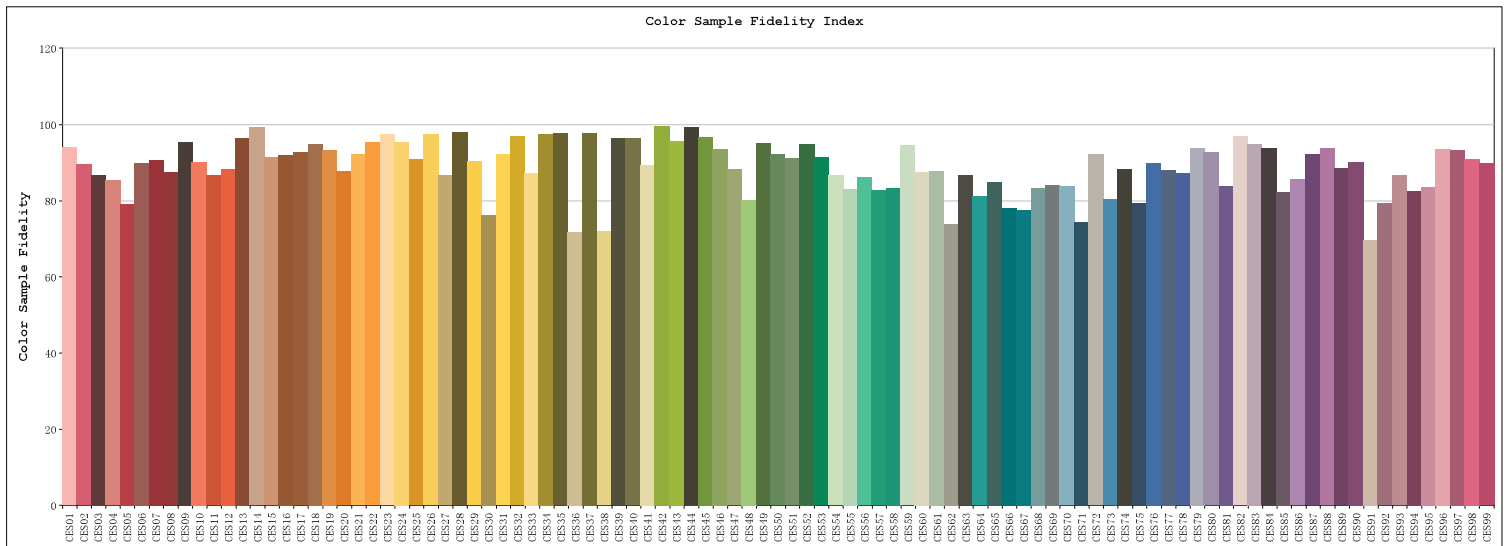
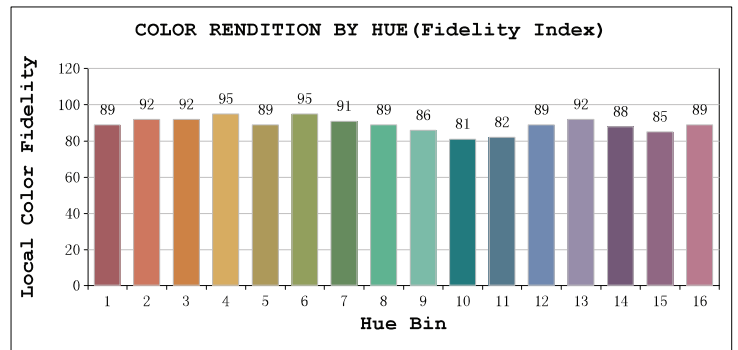
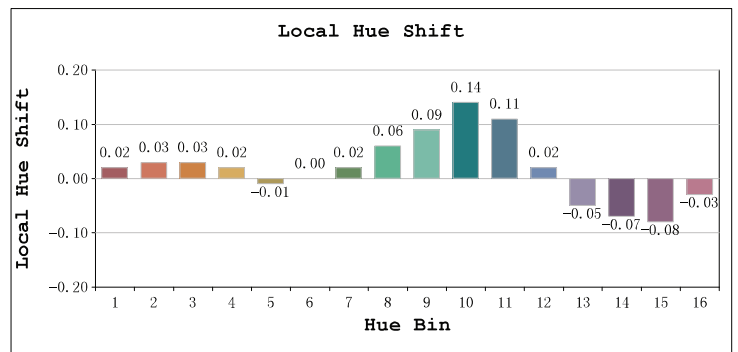
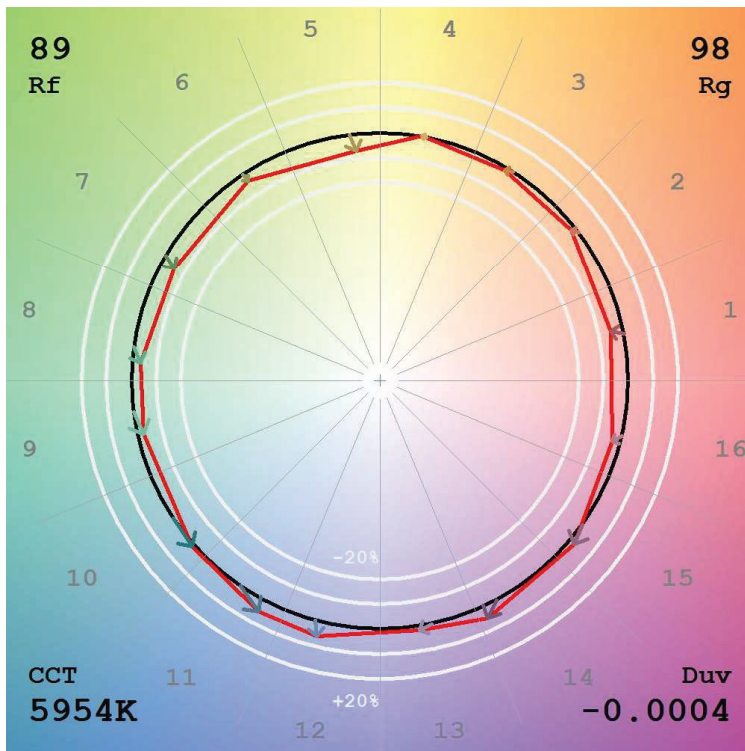
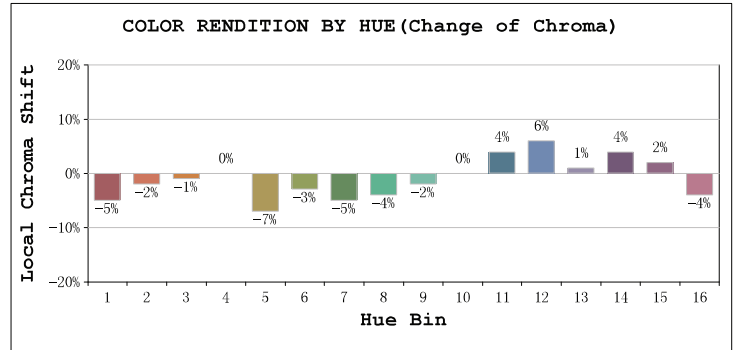
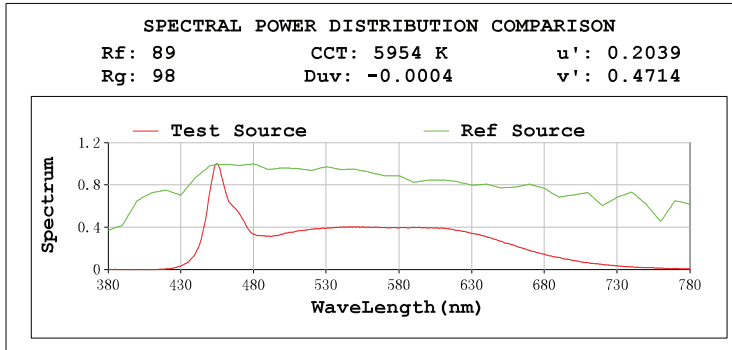
TM30 / 4000K



TM30 / 5000K



TM30 / 6000K



Static White / Wall Controller (RF Signal)

This solution enables the strip light to function with a wall controller (RF signal). It includes the following components:

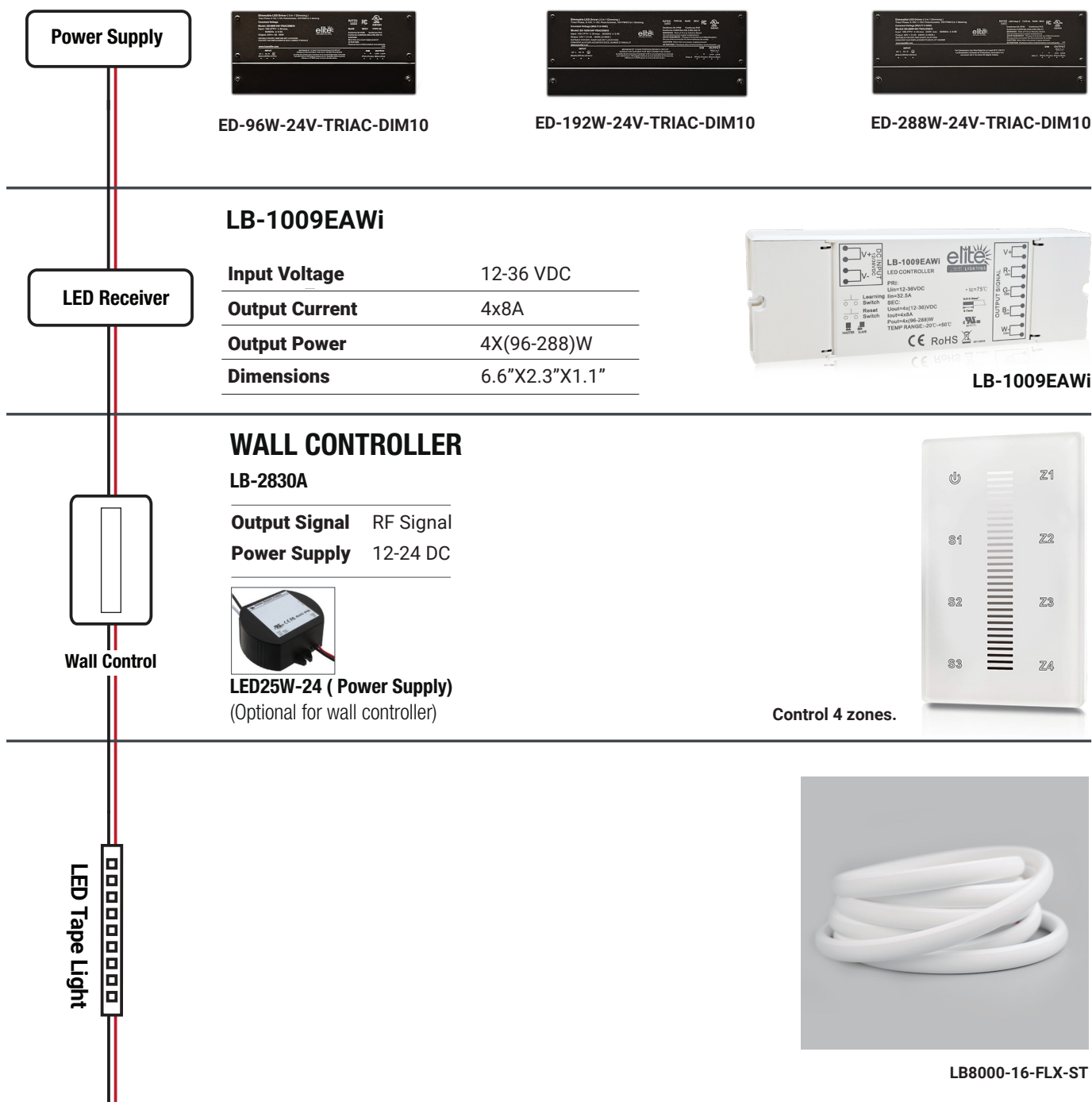
Driver – Powers the strip light.

Receiver – Receives signals from the wall controller to control the strip light.

Wall Controller (RF Signal) – Used to control the strip light remotely.

LED25W-24 Power Supply – Connected to the wall controller to convert the 120V AC from the wall outlet to 24V DC, which is necessary for the controller to function.

This configuration ensures seamless control of the strip light while maintaining the necessary power conversion and signal reception.



Static White / Wall Dimmer Controller (RF Signal)

This solution enables the strip light to function with a wall dimmer controller (RF signal). It includes the following components:

Driver – Powers the strip light.

Receiver – Receives signals from the wall dimmer controller to control the strip light.

Wall Dimmer Controller (RF Signal) – Used to control the strip light remotely, powered by a 3V CR2032 battery.

This configuration ensures seamless control of the strip light while maintaining the necessary signal reception.

Power Supply



ED-96W-24V-TRIAC-DIM10



ED-192W-24V-TRIAC-DIM10



ED-288W-24V-TRIAC-DIM10

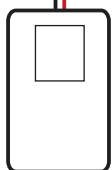
LED Receiver

LB-1009EAWi

Input Voltage	12-36 VDC
Output Current	4x8A
Output Power	4X(96-288)W
Dimensions	6.6"X2.3"X1.1"



LB-1009EAWi



Wall Control

WALL DIMMER CONTROLLER

LB-2833N-K5-MONO

Output Signal	RF Signal
Power Supply	3V (CR2032 battery)



Control 1 zone.

LED Tape Light



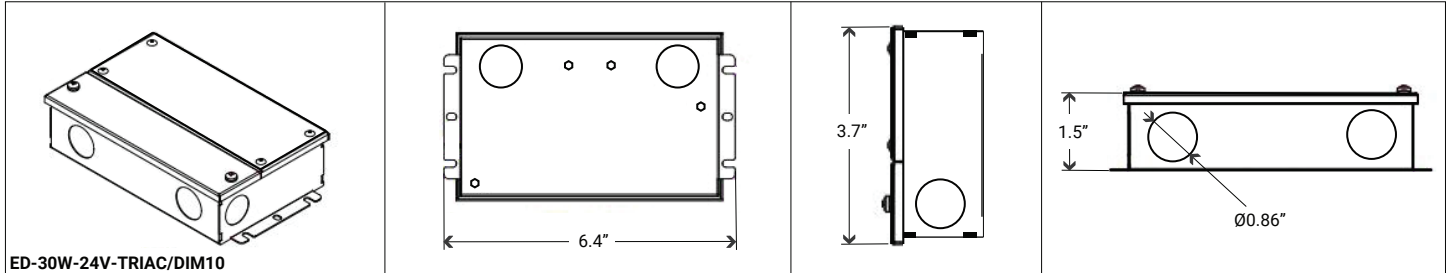
LB8000-16-FLX-ST

Triac-Phase Cut/Triac ELV/0-10V/1-10V PWM/Potentiometer (5 in 1) Dimmable

PN: ED-30W-24V-TRIAC/DIM10

Model	Input Voltage	Output Voltage	Wattage	Max. Output current	Frequency	Location	Certificate
ED-30W-24V-TRIAC/DIM10	100-277VAC	24V	30W	1.25A	50/60Hz	Dry, Damp, and Wet locations	UL, cUL, FCC, Class 2, RoHS

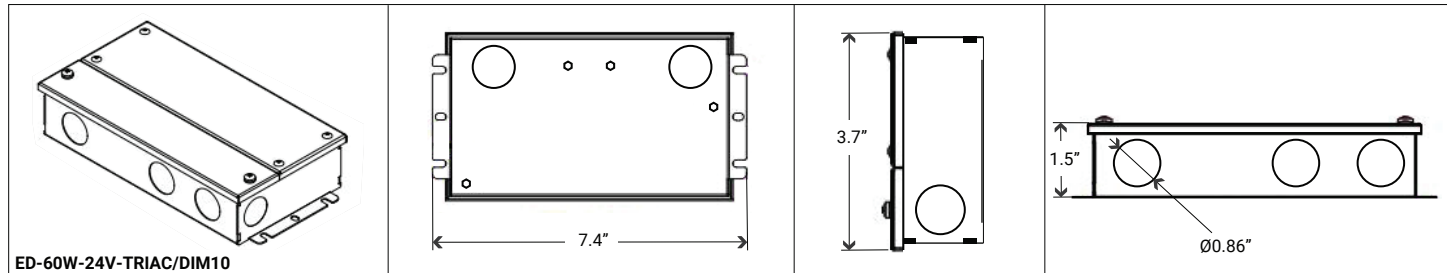
Dimensions



PN: ED-60W-24V-TRIAC/DIM10

Model	Input Voltage	Output Voltage	Wattage	Max. Output current	Frequency	Location	Certificate
ED-60W-24V-TRIAC/DIM10	100-277VAC	24V	60W	2.5A	50/60Hz	Dry, Damp, and Wet locations	UL, cUL, FCC, Class 2, RoHS

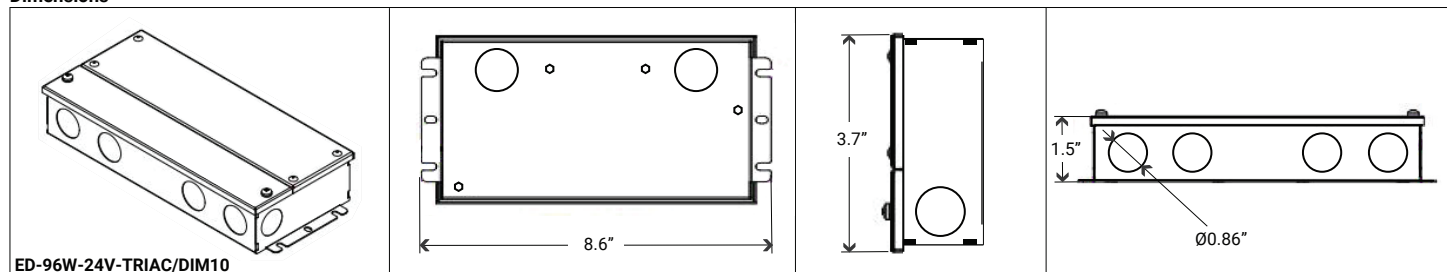
Dimensions



PN: ED-96W-24V-TRIAC/DIM10

Model	Input Voltage	Output Voltage	Wattage	Max. Output current	Frequency	Location	Certificate
ED-96W-24V-TRIAC/DIM10	100-277VAC	24V	96W	4A	50/60Hz	Dry, Damp, and Wet locations	UL, cUL, FCC, Class 2, RoHS

Dimensions

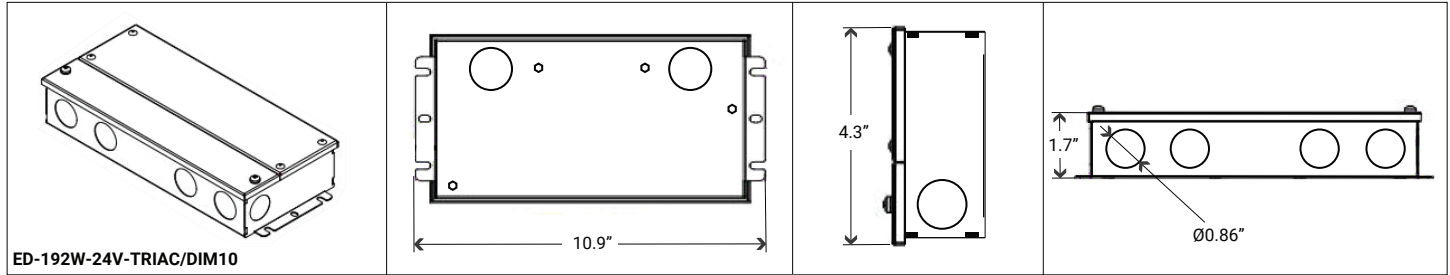


Triac-Phase Cut/Triac ELV/0-10V/1-10V PWM/Potentiometer (5 in 1) Dimmable

PN: ED-192W-24V-TRIAC/DIM10

Model	Input Voltage	Output Voltage	Wattage	Max. Output current	Frequency	Location	Certificate
ED-192W-24V-TRIAC/DIM10	100-277VAC	24V	192W	Multi 2X96W	50/60Hz	Dry, Damp, and Wet locations	UL, cUL, FCC, Class 2, RoHS

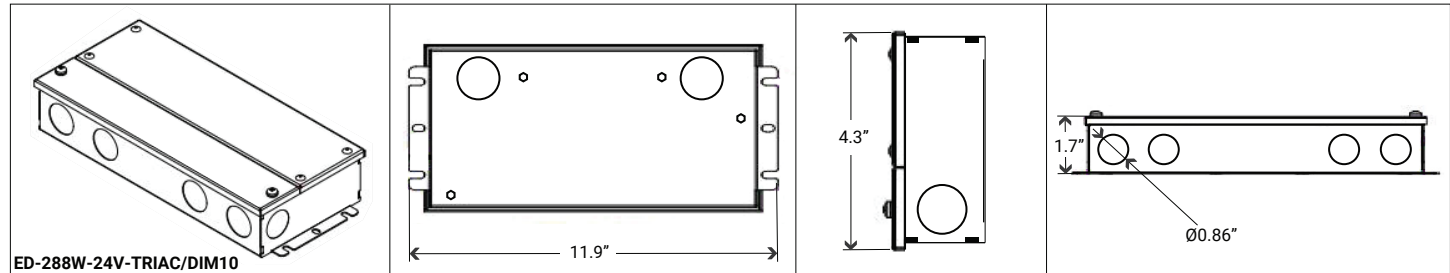
Dimensions



PN: ED-288W-24V-TRIAC/DIM10

Model	Input Voltage	Output Voltage	Wattage	Max. Output current	Frequency	Location	Certificate
ED-288W-24V-TRIAC/DIM10	100-277VAC	24V	288W	Multi 3X96W	50/60Hz	Dry, Damp, and Wet locations	UL, cUL, FCC, Class 2, RoHS

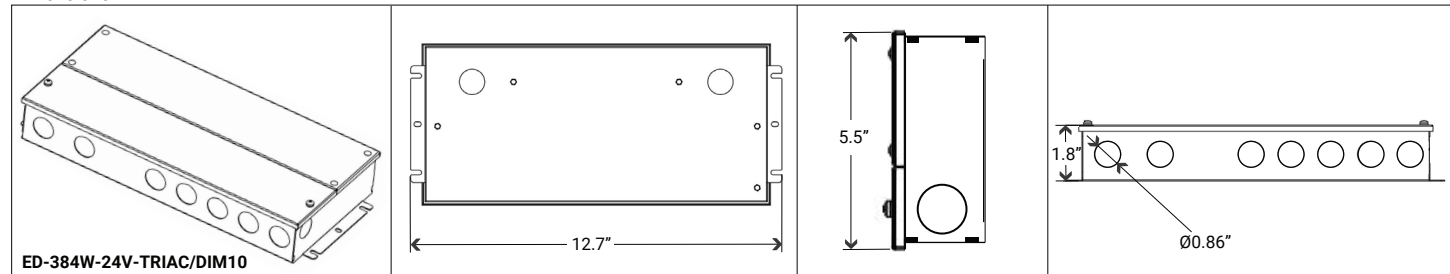
Dimensions



PN: ED-384W-24V-TRIAC/DIM10

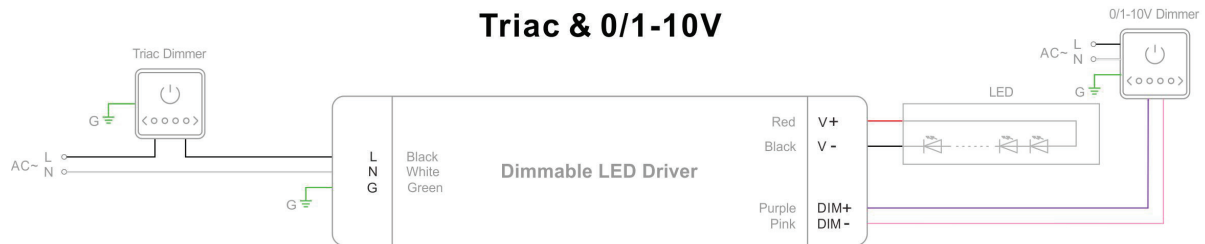
Model	Input Voltage	Output Voltage	Wattage	Max. Output current	Frequency	Location	Certificate
ED-384W-24V-TRIAC/DIM10	110-277VAC	24V	384W	Multi 4X96W	50/60Hz	Dry, Damp, and Wet locations	UL, cUL, Class 2, RoHS

Dimensions



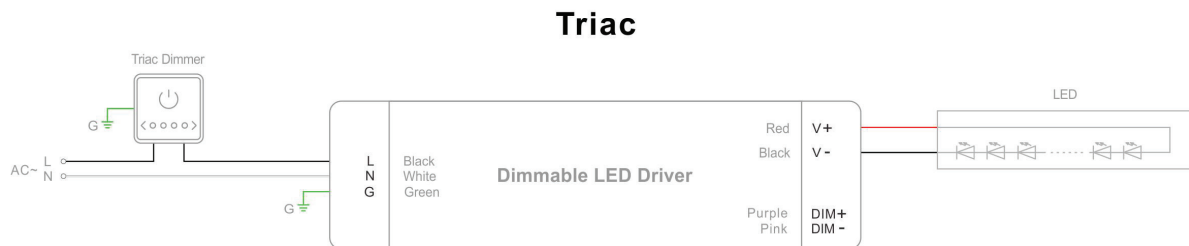
Dimming Operation and Connecting Diagram

- Using two ways of dimming at the same time, you must be assured that LED lighting is up to the max. Brightness then you could operate with the other dimming;

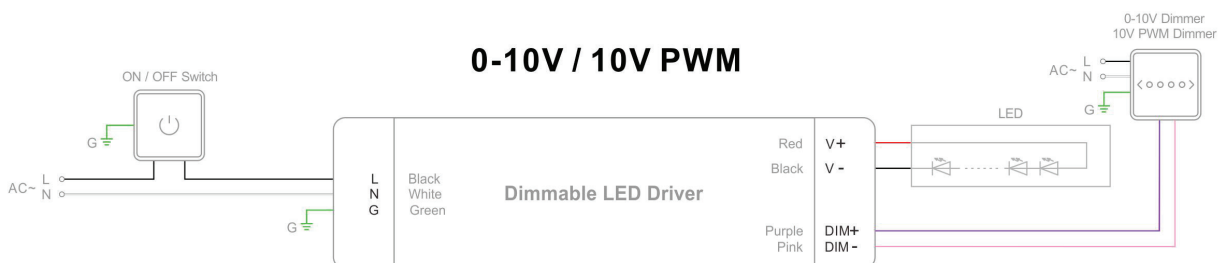


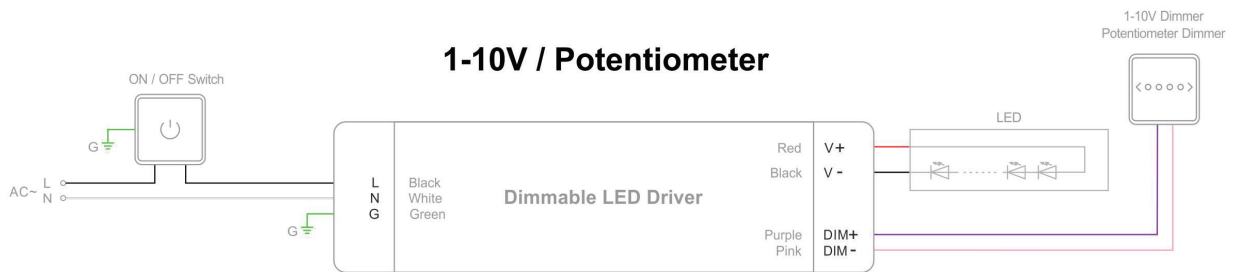
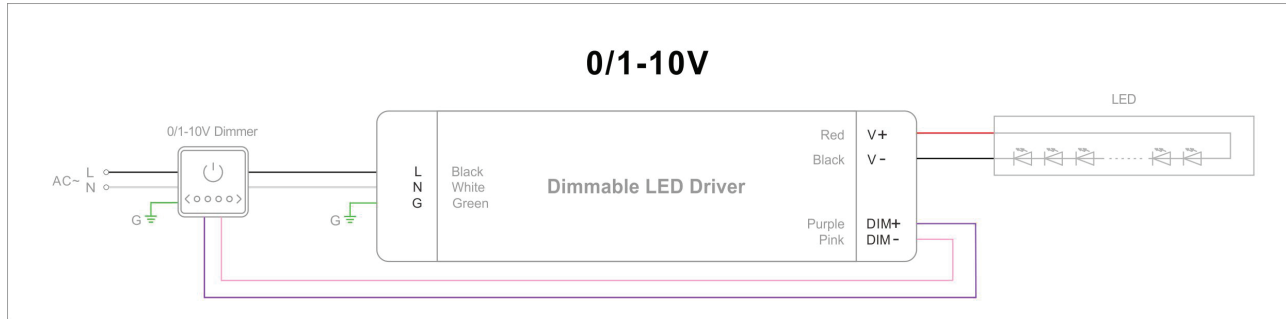
- Using one dimming ---TRIAC/Phase cut dimming**

- The Pulse-Width Modulation (PWM) of output voltage can be adjusted through input terminal of the AC phase line(L) by connection a phase /Triac dimmer or lighting system.
- Working with forward phase, MLV and Reverse phase , ELV, TRIAC dimmers or light system.
- Min. loading is about 10%
- Please try to use dimmers with power at least 1.5 times as the output power of the driver.



- Using one dimming ---0-10/ 1-10V/ 10V PWM/ Potentiometer dimming**





Triac/Phase cut & 0-10V/1-10V PWM/Potentiometer (5 in 1) Dimmable

Constant Voltage TRIAC Dimmable Driver

PN: HBL040-AW-24-DA

Model	Input Voltage	Output Voltage	Wattage	Rated Current	Frequency	Location	Certificate
HBL040-AW-24-DA	120-277VAC	24VDC	40W	1.66A	50/60Hz	Dry or Damp location	ETL, Class 2

TRIAC Dimming for 120VAC / Non-Dimming for 277VAC

PN: HBL060-AW-24-DA

Model	Input Voltage	Output Voltage	Wattage	Rated Current	Frequency	Location	Certificate
HBL060-AW-24-DA	120-277VAC	24VDC	60W	2.5A	50/60Hz	Dry or Damp location	ETL, Class 2

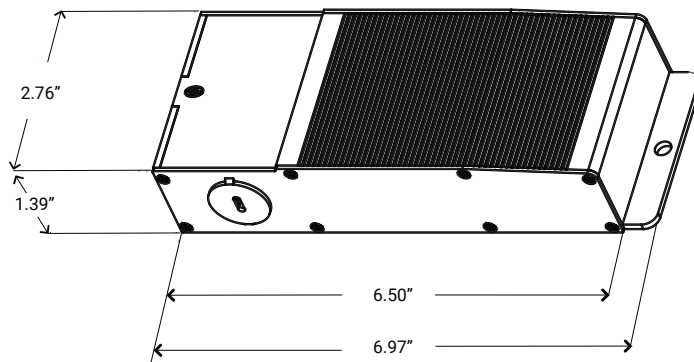
TRIAC Dimming for 120VAC / Non-Dimming for 277VAC

PN: HBL096-AW-24-DA

Model	Input Voltage	Output Voltage	Wattage	Rated Current	Frequency	Location	Certificate
HBL096-AW-24-DA	120-277VAC	24VDC	96W	4A	50/60Hz	Dry or Damp location	ETL, Class 2

TRIAC Dimming for 120VAC / Non-Dimming for 277VAC

DIMENSIONS

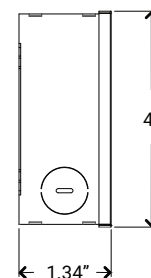
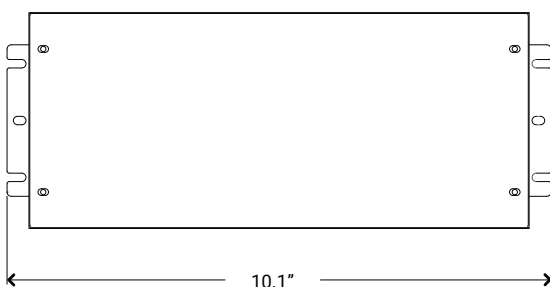


PN: HBL150-AW-24-DI

Model	Input Voltage	Output Voltage	Wattage	Rated Current	Location	Certificate
HBL150-AW-24-DI	120-277VAC	24VDC	150W	6.25A	Dry or Damp location	ETL, Class P

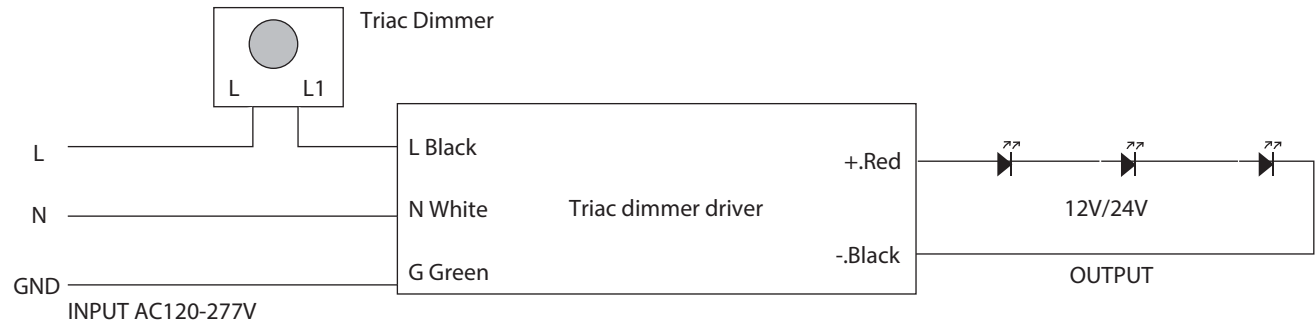
TRIAC Dimming for 120VAC / Non-Dimming for 277VAC

DIMENSIONS



Constant Voltage TRIAC Dimmable Driver

Connecting Diagram



Dimmer Compatible Chart

Brand	Series	Model	Load	Dimmability
Lutron	Ariadni	AYCL-153P	150W	10%-100%
	Diva	DV-600PR	600W	1%-100%
	Diva	DVCL-153P	150W	10%-100%
	Maestro	MACL-153MH	600W	10%-100%
	Maestro Wireless	MRF2-6CL	150W	10%-100%
	Rotary	D-600P	600W	10%-100%
	Electronic(ELV)	NTELV-300P	600W	10%-100%
	Skylark	S-600P	600W	10%-100%
	Skylark Conytour	CT-600P	600W	1%-100%
	Skylark Conytour	CTCL-153P	150W	10%-100%
	Toggler	TG-600P	600W	10%-100%
	Toggler	TCCL-153P	150W	10%-100%
Leviton	Sureslide	6633	600W	10%-100%
	Sureslide Decora	6674	600W	20%-100%
	Trimatron	6602	600W	20%-100%
	ILLVMATECH	IPL06	600W	1%-100%
Legrand	Adorne	ADTP703TU	700W	20%-100%
	Harmony	H703PTW	700W	10%-100%
Cooper	Aspire	9540	1000W	10%-100%
	Devine	DAL06P	300W	10%-100%



LB-2830A RF Single Color Controller

- Ultra-sensitive, high-strength glass touch panel features a color line for accurate, fast, and precise brightness control.
- Control 4 different zones separately or synchronously with endless receivers in each zone.
- Save 3 brightness or scenes for each zone.
- 256-level brightness adjustment for each white.
- Receivers can work with WiFi-RF converter after installing "Easylighting" app on IOS and android systems.

TECHNICAL DETAILS

Output Signal	RF Signal
Power Supply	12-24 VDC
Power Consumption	<20 mA
Operating Temperature	0-40°C / 32°F-104°F
Dimensions	4.7"X2.9"X1.1"
Mounting	Wall Mount
Color	White

Certifications	FCC / RoHS
Zones	4
Frequency	916.5MHz
Surface	Glass
Control	Single Color
Warranty	5 Years limited warranty



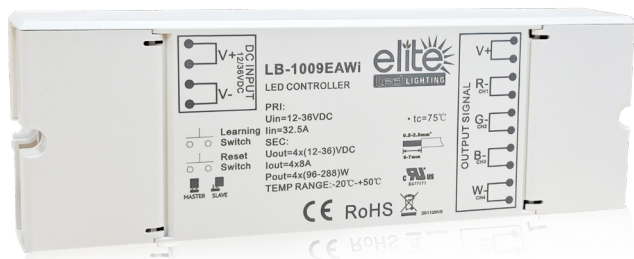
LB-2833N-K5-MONO Single Color Dimmer

RF wireless Single Color Remote can control 1 zone of receiver. This single color controller is compatible with all universal series RF receivers. **One receiver can be paired with a maximum of 8 remote controllers.** This device contains a button lithium battery that should be stored and disposed of properly. **DO NOT expose the device to moisture.**

TECHNICAL DETAILS

Output Signal	RF Signal
Power Supply	3V (CR2032 battery)
Operating Temperature	0-40°C / 32°F-104°F
Dimensions	2.5"X1.2"X0.35"
Color	White

Certifications	FCC / RoHS
Zones	Control 1 Zone of receiver
Frequency	916.5MHz
Rated	IP20
Warranty	5 Years limited warranty



LB-1009EAWI RF+WiFi Receiver/LED Controller 4Channels

The RGBW controller LB-1009EAWI is a 12-36 VDC constant voltage RF and WiFi controller with 4 channel output, offering 8A per channel. It is compatible with a variety of RF remotes and apps installed on iOS and Android systems, enabling control of single-color, dual-color LEDs, and RGBW LEDs.

Multiple zones can be controlled separately or synchronously with endless receivers in each zone. Built-in changing patterns are available and can be saved to each zone. The brightness of each R, G, B, W channel can be adjusted separately to achieve millions of changing colors.

Thanks to the built-in WiFi to RF module, a significant advantage of this WiFi controller is its compatibility with RF remotes and apps on iOS and Android systems directly, without the need for a WiFi-RF converter.

A free app is available (Easylighting) from the App Store and Google Play. Simply download it on your iOS or Android device, then search and connect your mobile device WLAN to the WiFi controller network.

TECHNICAL DETAILS

Input Voltage	12-36 VDC
Output Current	4x8A
Output Power	4x(96-288)W
Dimensions	6.6"X2.3"X1.1"

Frequency	869.5/916.5/434mhz
Certifications	FCC / RoHS
Color	White
Warranty	5-Years limited warranty



LED25W-24 (Power Supply) Optional for Wall Controller

Total Power: 25 Watts
Input Voltage: 100-277 VAC
UL Dry & Damp Location Rated
IP66
High Efficiency
High Power Factor
Analog Dimming (0-10V)
Black Magic Thermal Advantage, Plastic Housing