

### FEATURES

The Optics-Side Bend Flexible LED Wall Washer Strip Light delivers versatile wall-washing and grazing performance with beam distributions of 10°, 24°, 36°, 60°, 10°x30°, and 10°x60°.

An integrated anti-glare design enhances visual comfort, while precision optics provide a focused, high-intensity beam with uniform illumination and excellent beam control. Featuring a 7.8" outer bending diameter and a 15.5" inner bending diameter, the fixture integrates seamlessly into curved, circular, or arc-shaped architectural elements.

Available in color temperatures ranging from 2700K to 6500K, it is ideal for wall washing, accent lighting, and façade illumination. Supplied with mounting accessories, the system supports fast, efficient installation and is suitable for outdoor and wet locations, cove lighting, architectural accents, and hospitality environments such as wet bars.

### Wet Location (IP67)

### Side Bend

Optic Options: 10°, 24°, 36°, 60°, 10° x30°, 10°x60°

Material: Aluminum alloy / Average Life: (L70) 50,000 hours

Warranty: 3-year outdoor warranty for parts (labor not included)

Color Temp.	14.6 W/ft (36°)	lm/W (36°)
2700K	850 lm/ft	58 lm/w
3000K	960 lm/ft	66 lm/w
4000K	1000 lm/ft	70 lm/w
5000K	1100 lm/ft	75 lm/w
6500K	1050 lm/ft	72 lm/w

### MOUNTING TRACKS & LENS ACCESSORIES

#### ACC-CL-LB7000S-3D



Aluminum Mounting Clip  
15 clips included with 11-ft strip light roll.

#### ACC-RB-LB7000S-3D



Rotatable Mounting Bracket

#### ACC-OLH-LB7000S-3D



Optical Lens Hood

#### WL-BCM-2P-WH-S



Two 72-inch male barrel connectors included.

#### WL-BCF-2P-WH-S



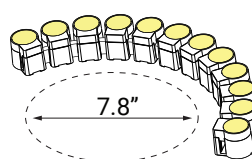
12-inch female barrel connector with anti-wicking ferrule, attached to one side of the tape light.

### TECHNICAL DETAILS

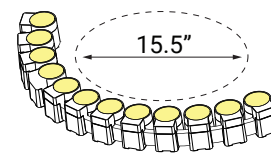
Power	14.6 W/ft
Voltage	24V
CRI	80+
Color Quality	1-Step MacAdam Ellipse
LED's Qty	8/ft
Max Run(ft)	11 ft
Cutting Length	Every 9.8" (not field cuttable)
Dimensions	W1.9" X H1.5"
Working Temp.	-10°C to 50°C / 14 to 122°F

### MINIMUM BENDING DIAMETER

#### Outer Bend

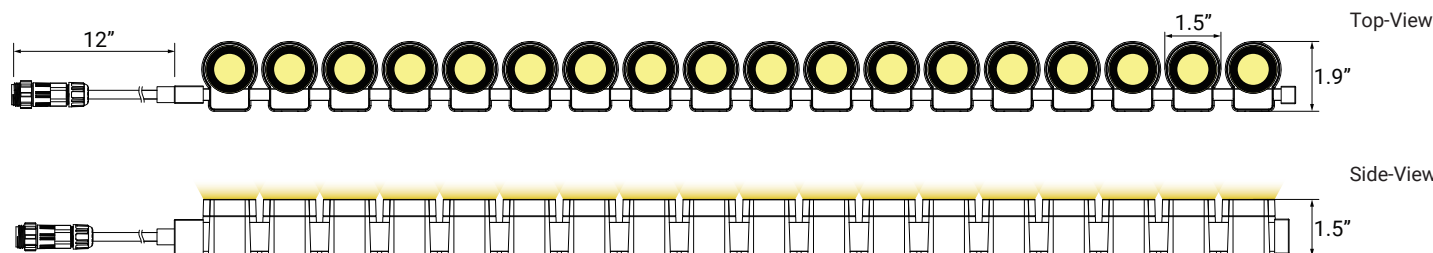


#### Inner Bend



Bending the Flex-Neon tape light beyond its minimum bending diameter may cause damage and is not covered under warranty.

### DIMENSIONS



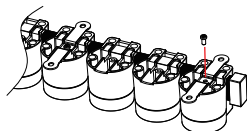
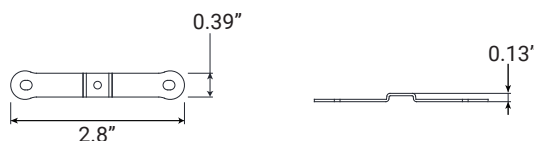
The tape light comes with a 12-inch standard length female barrel connector with anti-wicking, attached to one side, along with 15 mounting clips, and Two 72-inch male barrel connectors.

### Mounting Clip

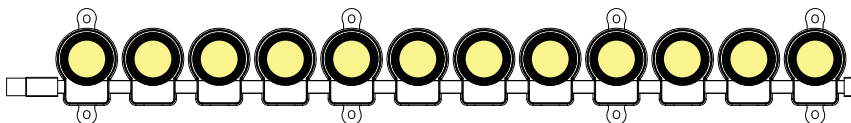
#### ACC-CL-LB7000S-3D

Secure the clips by screwing them into the holes located at the bottom of the tape light. Once the clips are attached, position the tape light where you want it installed, and then secure it by fastening the clips to the surface.

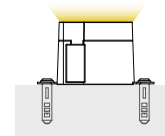
We recommend installing the clips every 4 to 5 LED lights.



Top-View



Side-View

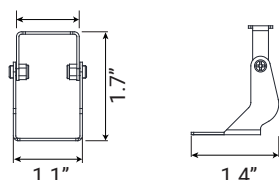


### Rotatable Mounting Bracket

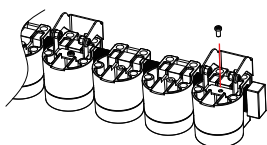
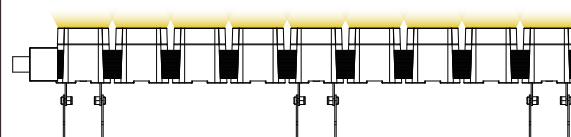
#### ACC-RB-LB7000S-3D

Secure the rotatable brackets by screwing them into the holes located at the bottom of the tape light. Once the rotatable brackets are attached, position the tape light where you want it installed, and then secure the brackets by fastening them to the floor, wall, or ceiling.

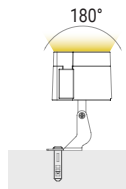
We recommend installing the rotatable brackets every 4 to 5 LED lights.



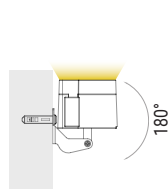
Side-View



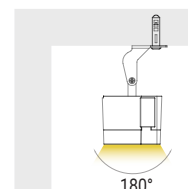
Floor



Wall



Ceiling



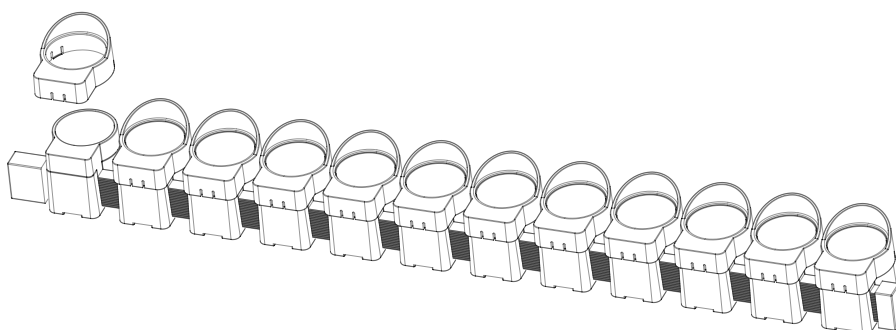
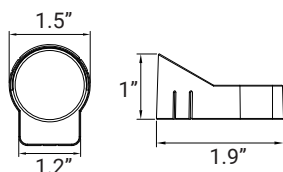
The rotatable mounting bracket can rotate 180°, allowing back-and-forth adjustment for optimal light distribution.

### Optical Lens Hood

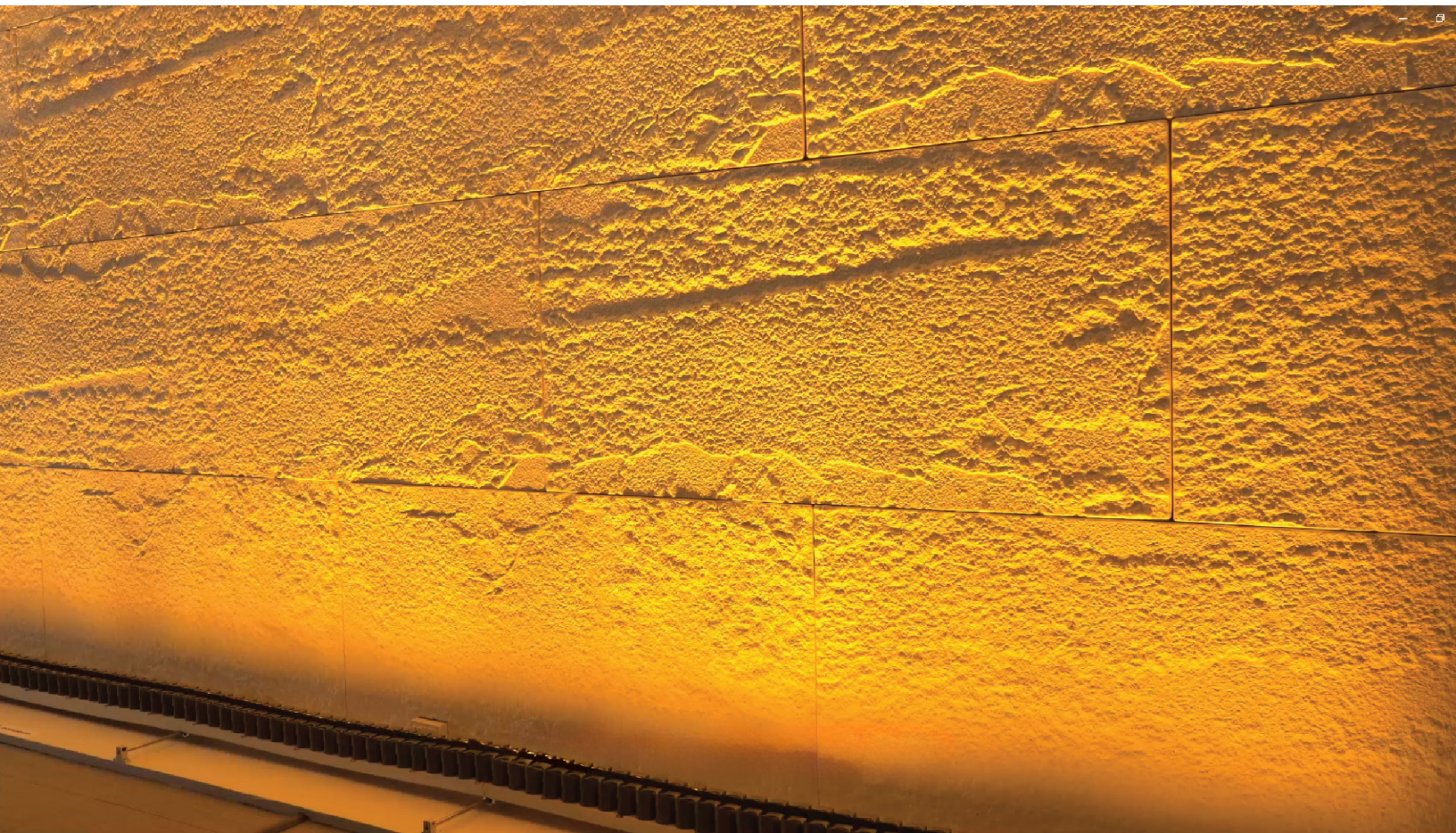
#### ACC-OLH-LB7000S-3D

The Optical Lens Hood is engineered to minimize unwanted stray light, effectively controlling beam spread and reducing glare and lens flare. This ensures improved visual comfort and enhances luminous efficacy by maintaining precise light distribution and higher contrast ratios. Additionally, the lens hood serves as a protective accessory, safeguarding optical components from mechanical impacts, surface scratches, and environmental exposure.

For installation, simply align and press the lens hood onto the individual LED module until it locks securely into place.







## ORDERING SELECTION

Example: LB-7000S-WW-3D-14W-11F-27K-10D-24V






SERIES	WATTAGE	LENGTH	CCT	OPTICS	VOLTAGE	ACCESSORIES	DRIVER
LB-7000S-WW-3D	14W - 14.6W/ft	11F - 11ft Roll CUS - Custom 1(Cutting length every 9.8")	27K - 2700K 30K - 3000K 40K - 4000K 50K - 4000K 65K - 6500K	10D - 10° 24D - 24° 36D - 36° 60D - 60° 1030D - 10°x30° 1060D - 10°x60°	24V - 24V	ACC-CL-LB7000S-3D - Mounting Clip ACC-RB-LB7000S-3D - Rotatable Bracket ACC-OLH-LB7000S - Anti-Glare Cover WL-BCM-2P-WH-S - Male Barrel Connector 72" Length WL-BCF-2P-WH-S - Female Barrel Connector 12" Length	Refer to the next pages for available options.

### CONTROLLERS






LB-2830A - RF single color controller  
LB-2833N-K5-MONO - RF single color dimmer  
LED25W-24 - Power supply  
LB-1009EAWI - RF+WiFi receiver

1. The tape light is not field-cuttable; custom lengths should be made at the factory.





**Luminous Efficacy by CCT & Beam Angle**
**10°**

Color Temp.	14.6W/FT (10°)	LM/W (10°)
 2700K	850lm/ft	57lm/w
 3000K	950lm/ft	64lm/w
 4000K	1000lm/ft	70lm/w
 5000K	1100lm/ft	73lm/w
 6500K	1050lm/ft	72lm/w






**24°**

Color Temp.	14.6W/FT (24°)	LM/W (24°)
 2700K	800lm/ft	56lm/w
 3000K	900lm/ft	63lm/w
 4000K	1000lm/ft	70lm/w
 5000K	1050lm/ft	72lm/w
 6500K	1000lm/ft	71lm/w






**60°**

Color Temp.	14.6W/FT (60°)	LM/W (60°)
 2700K	600lm/ft	56lm/w
 3000K	700lm/ft	63lm/w
 4000K	750lm/ft	70lm/w
 5000K	800lm/ft	72lm/w
 6500K	750lm/ft	71lm/w

**10°x30°**

Color Temp.	14.6W/FT (10°x30°)	LM/W (10°x30°)
 2700K	870lm/ft	60lm/w
 3000K	950lm/ft	66lm/w
 4000K	1050lm/ft	71lm/w
 5000K	1050lm/ft	73lm/w
 6500K	1050lm/ft	72lm/w

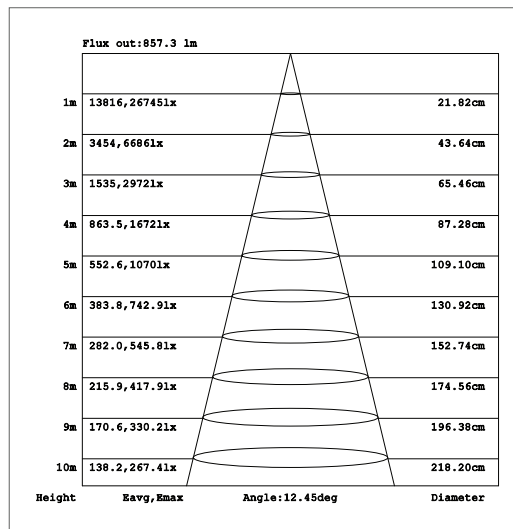
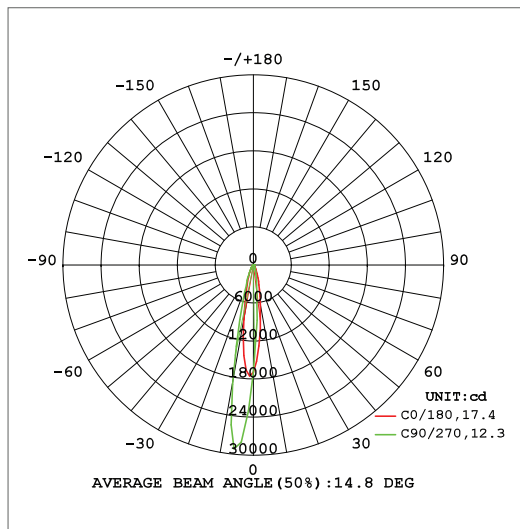
**10°x60°**

Color Temp.	14.6W/FT (10°x60°)	LM/W (10°x60°)
 2700K	650lm/ft	45lm/w
 3000K	700lm/ft	50lm/w
 4000K	800lm/ft	55lm/w
 5000K	850lm/ft	58lm/w
 6500K	800lm/ft	56lm/w

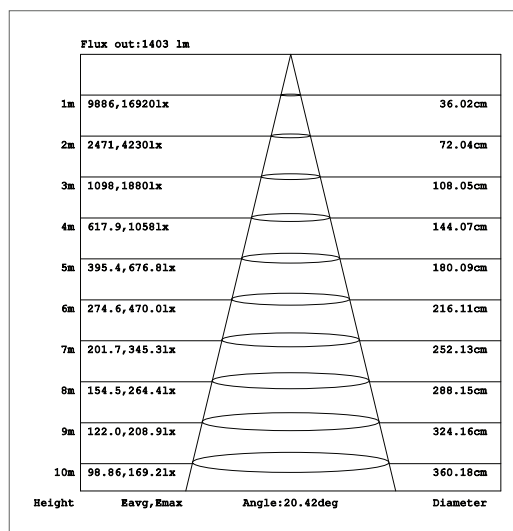
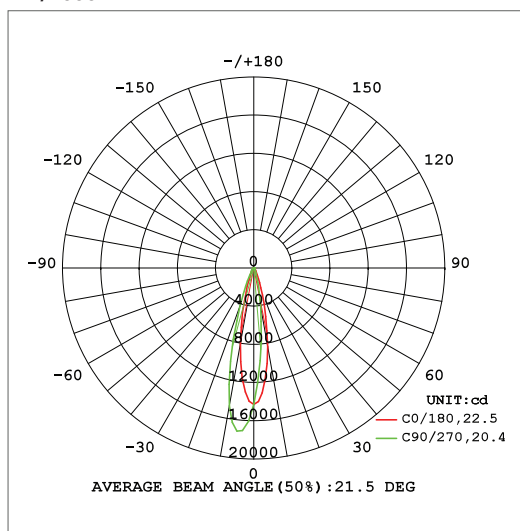


## Luminous Intensity Distribution Diagram

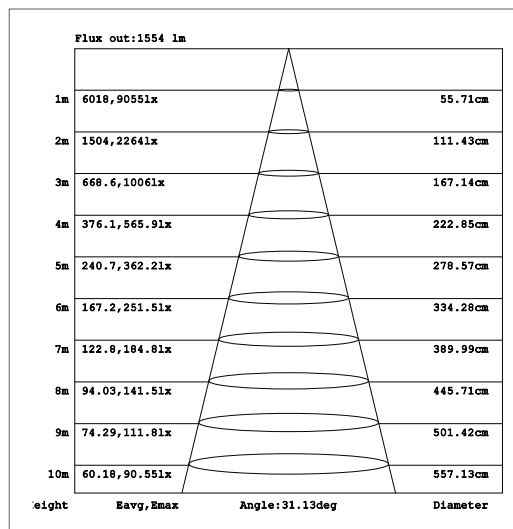
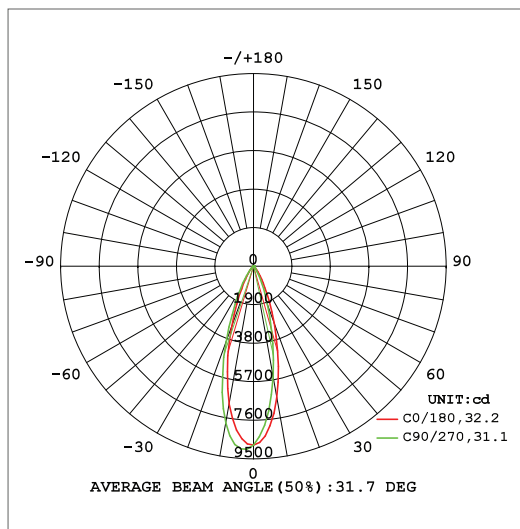
10°/4000K



24°/4000K

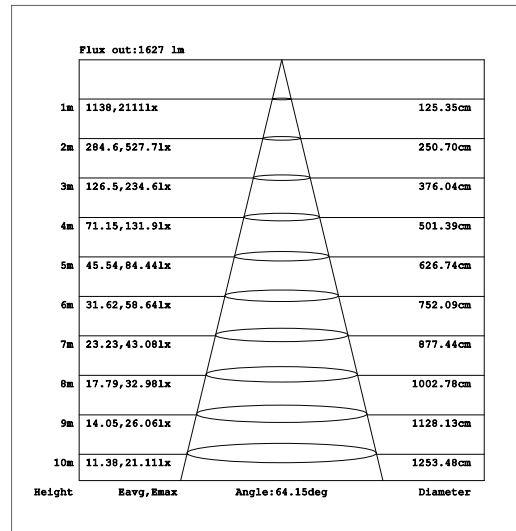
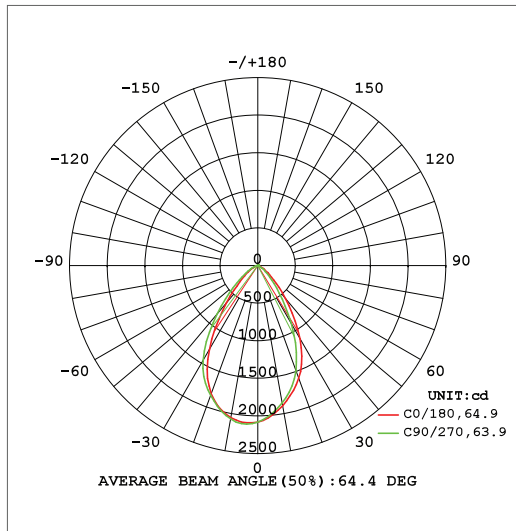


36°/4000K

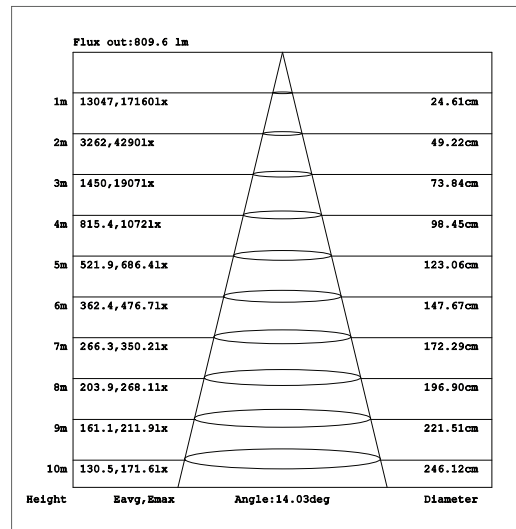
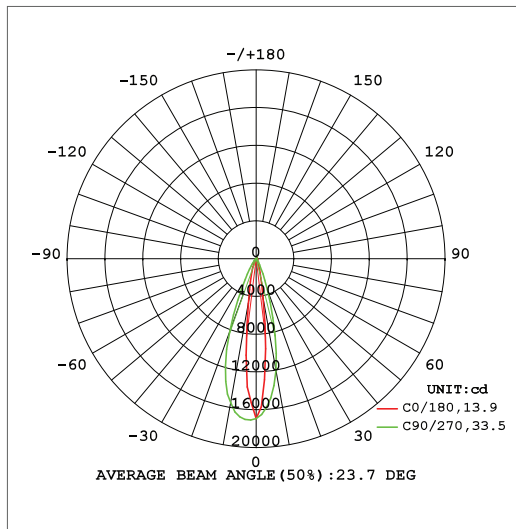


## Luminous Intensity Distribution Diagram

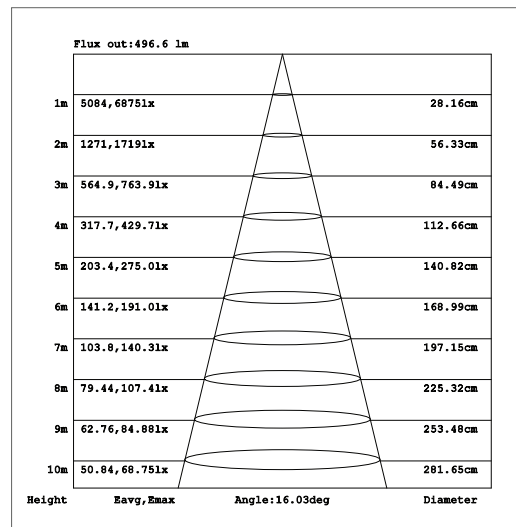
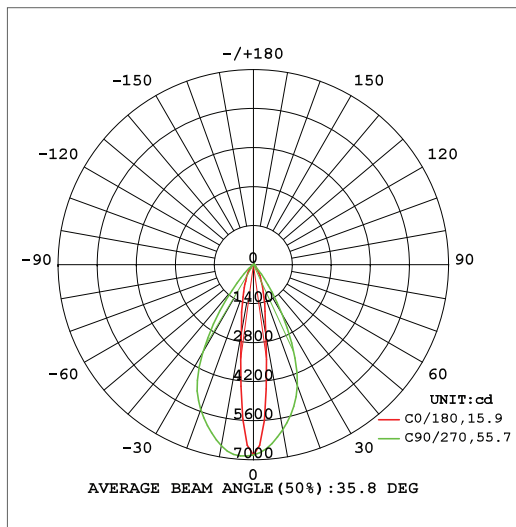
60°/4000K



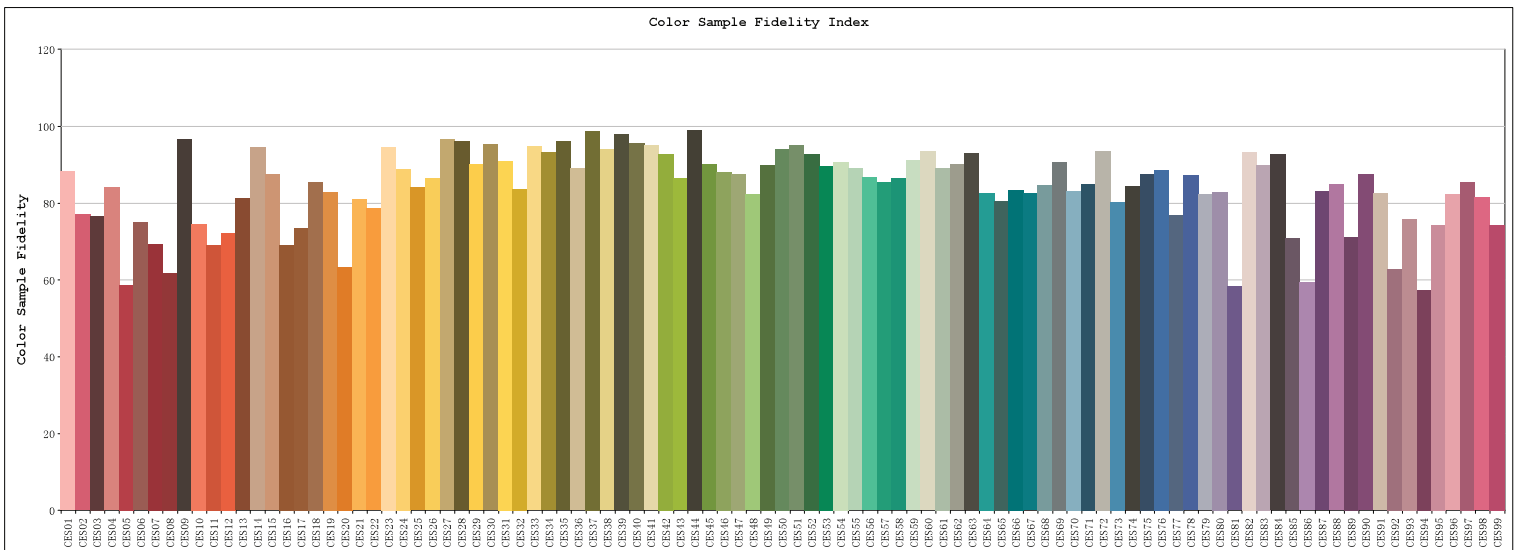
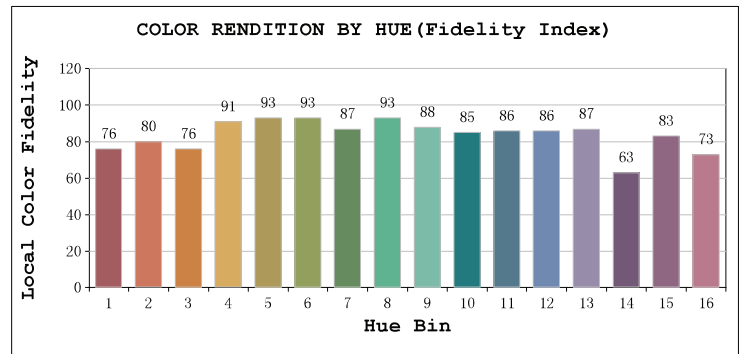
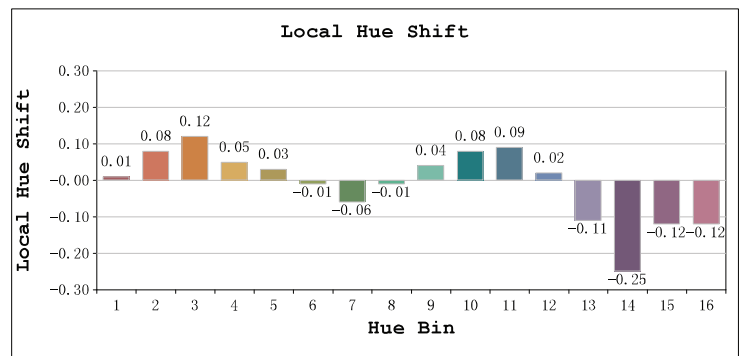
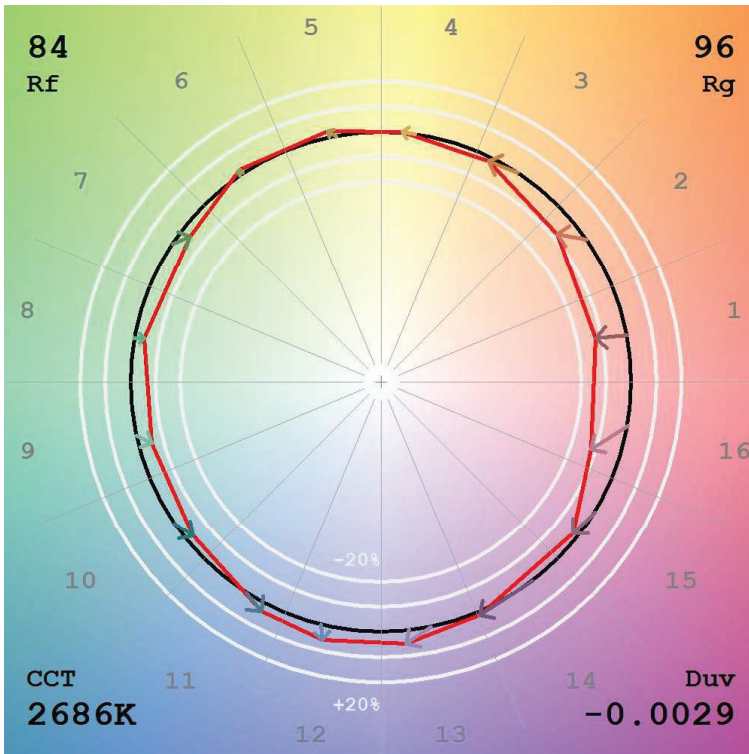
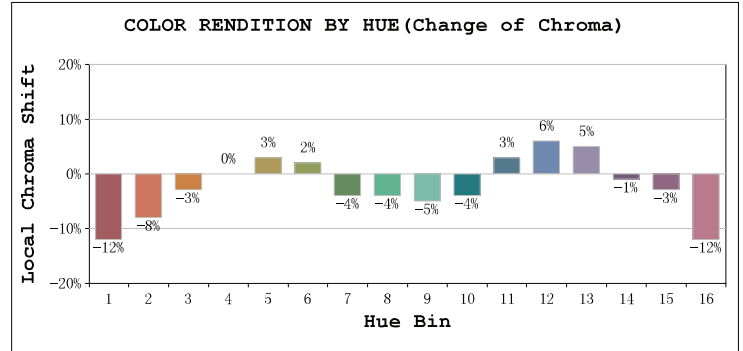
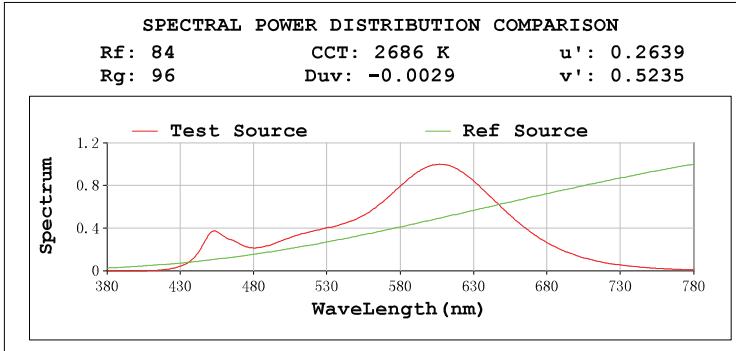
10°x30°/4000K



10°x60°/4000K



**TM30 / 2700K**

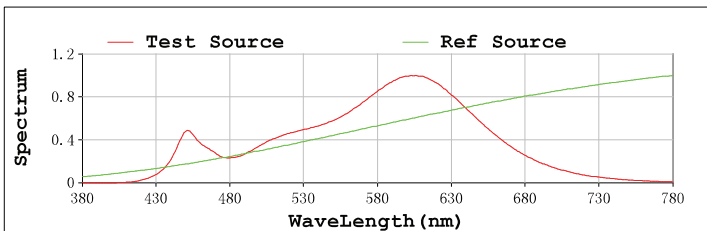




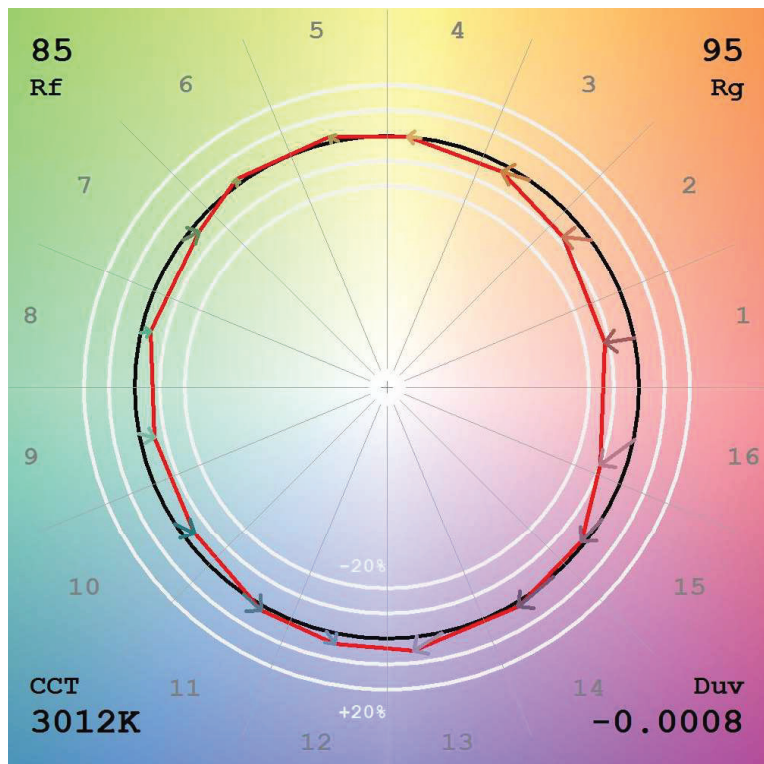
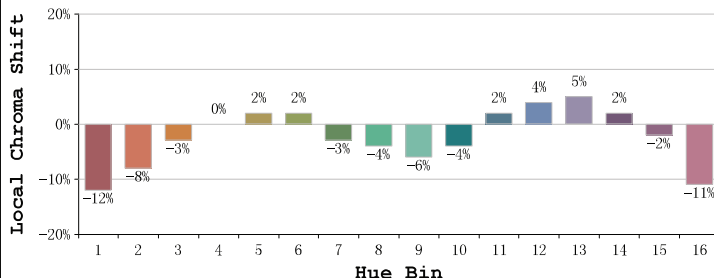
**TM30 / 3000K**

**SPECTRAL POWER DISTRIBUTION COMPARISON**

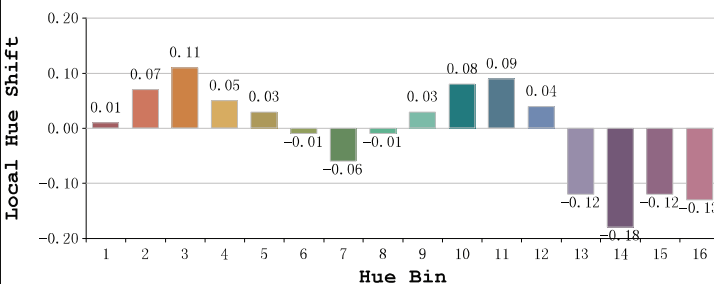
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Rg: 95 Duv: -0.0008 v': 0.5200



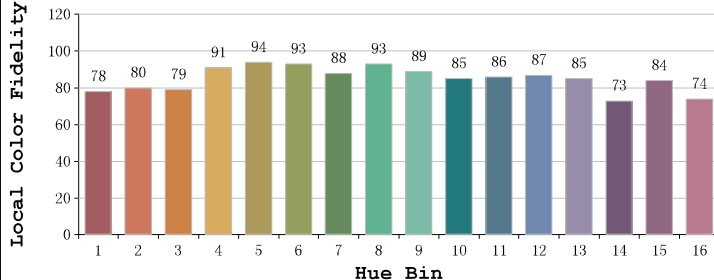
**COLOR RENDITION BY HUE (Change of Chroma)**



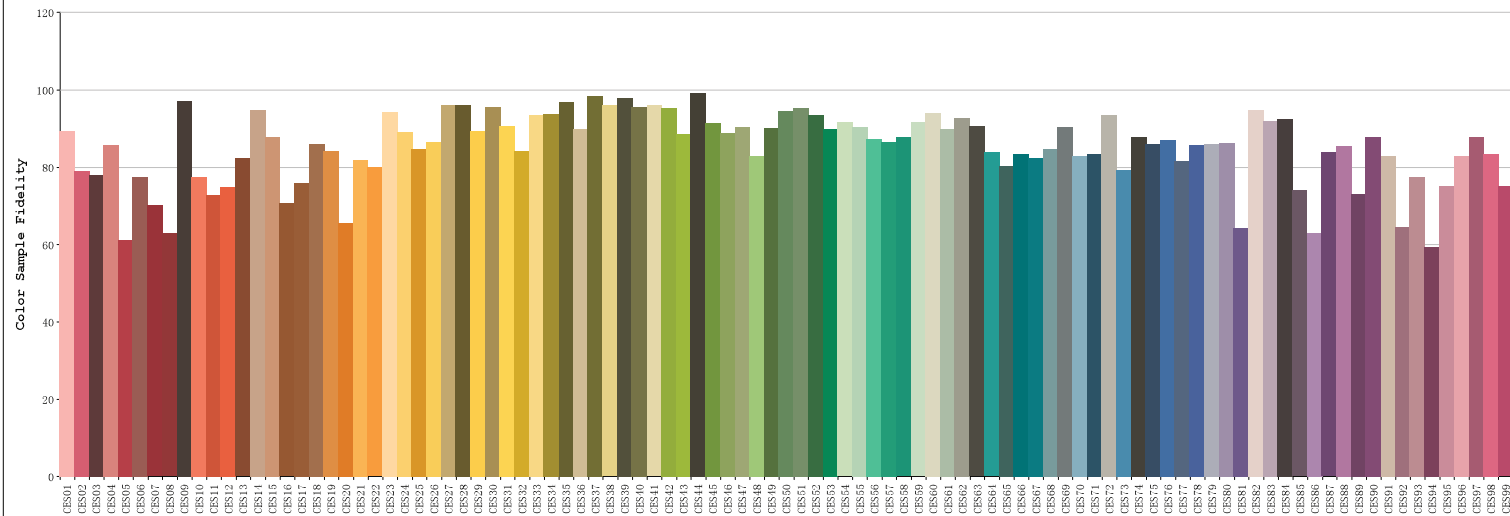
**Local Hue Shift**



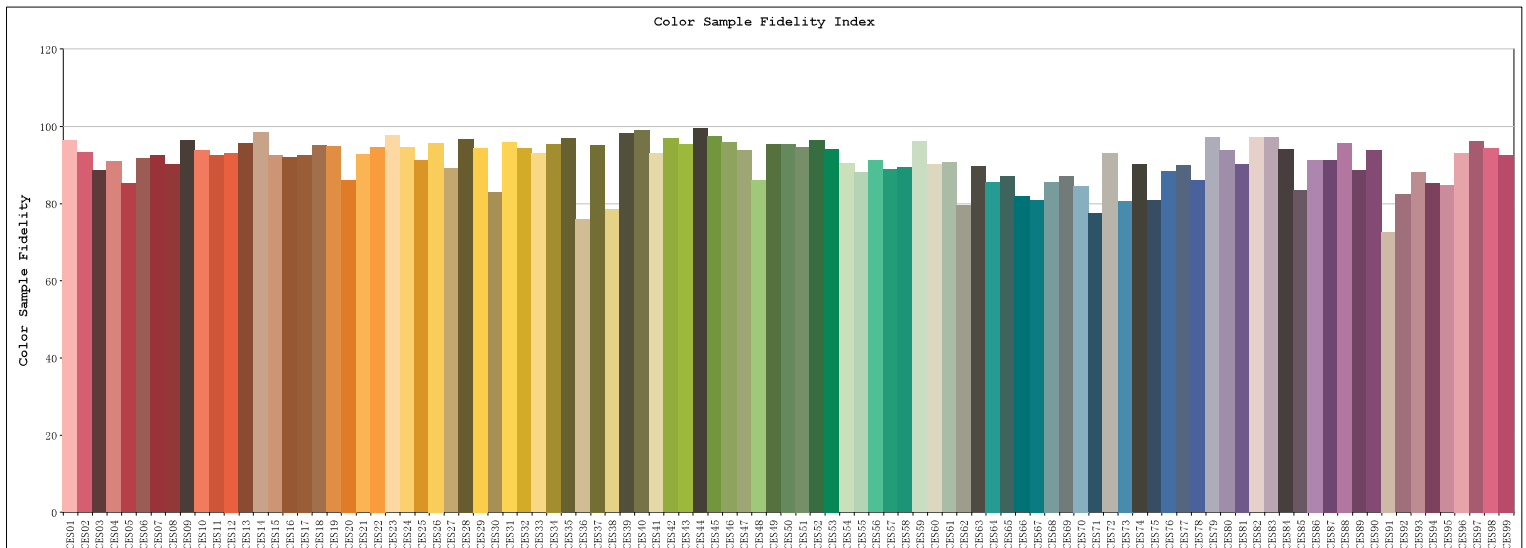
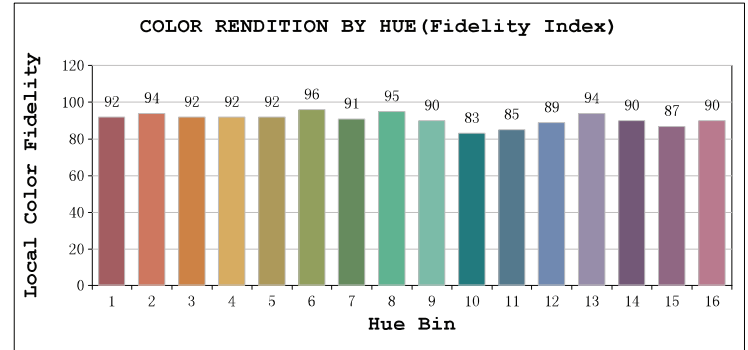
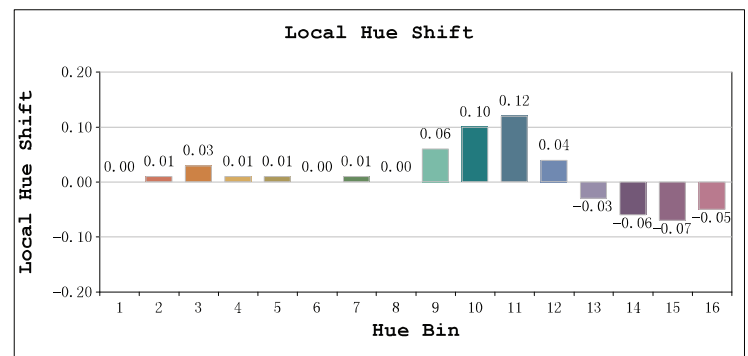
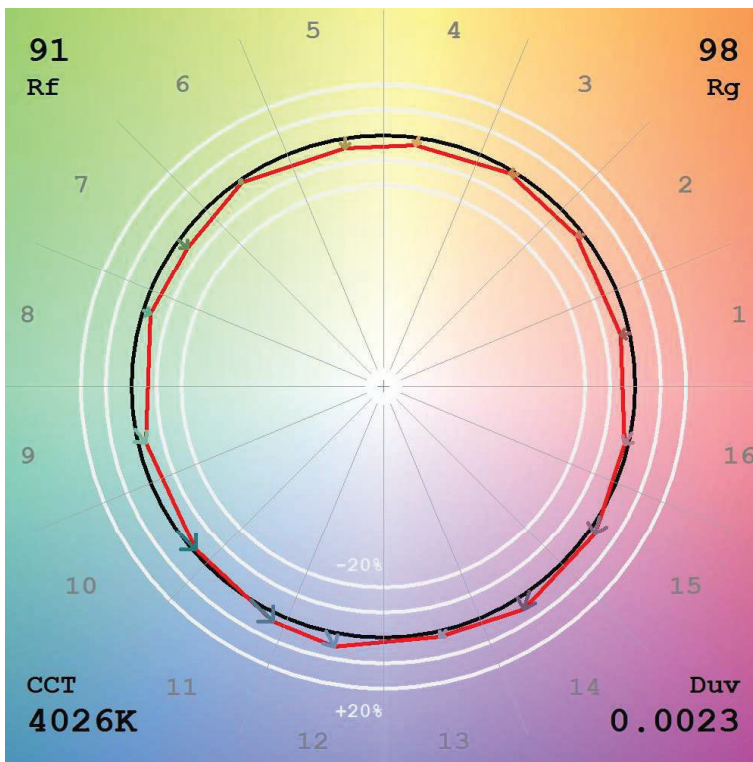
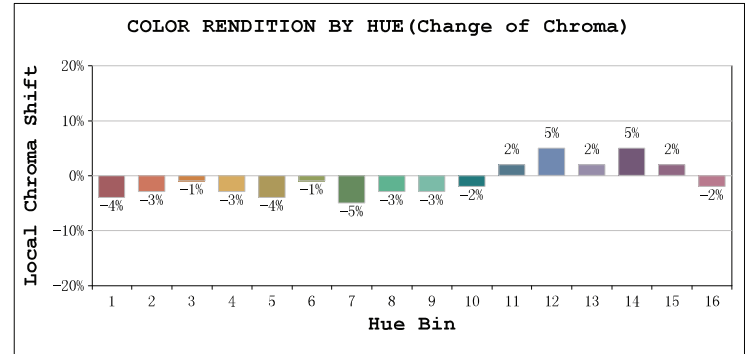
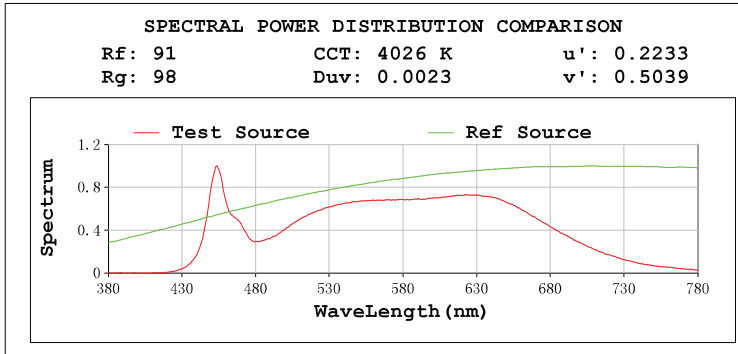
**COLOR RENDITION BY HUE (Fidelity Index)**



**Color Sample Fidelity Index**



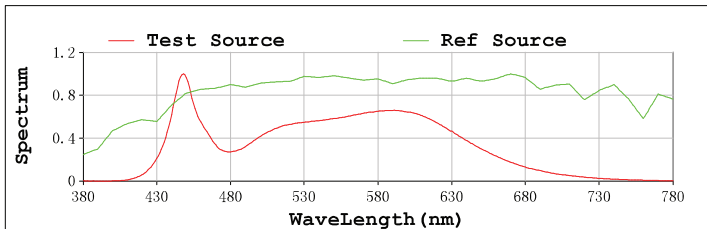
**TM30 / 4000K**



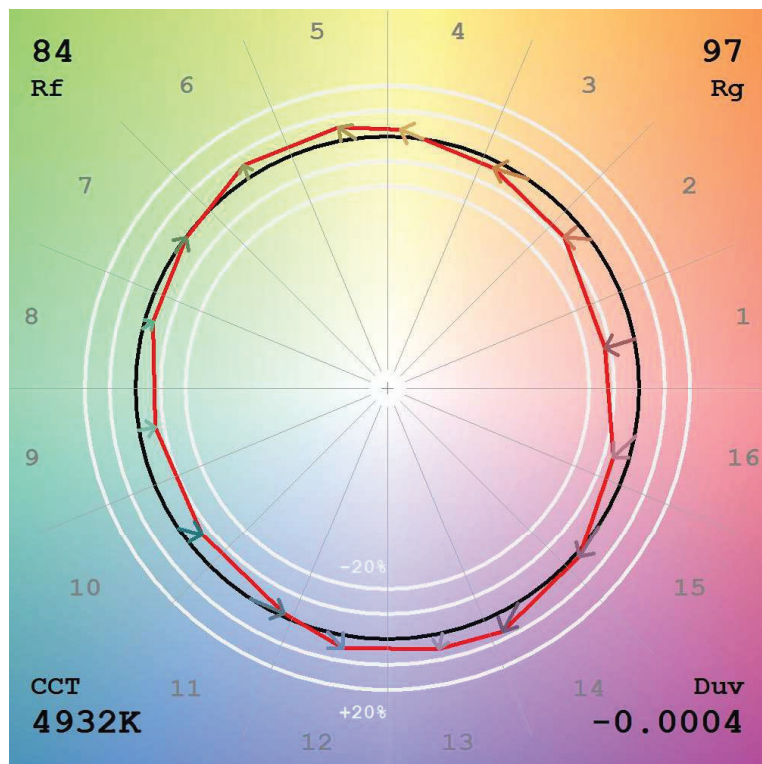
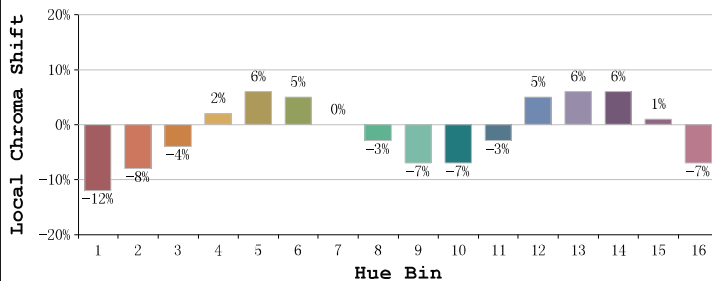
TM30 / 5000K

SPECTRAL POWER DISTRIBUTION COMPARISON

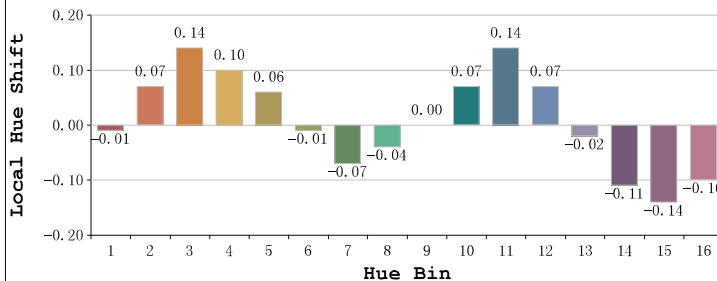
Rf: 84 CCT: 4932 K u': 0.2124  
Rg: 97 Duv: -0.0004 v': 0.4853



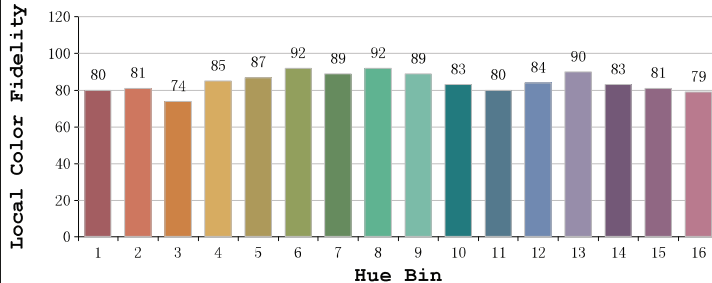
COLOR RENDITION BY HUE (Change of Chroma)



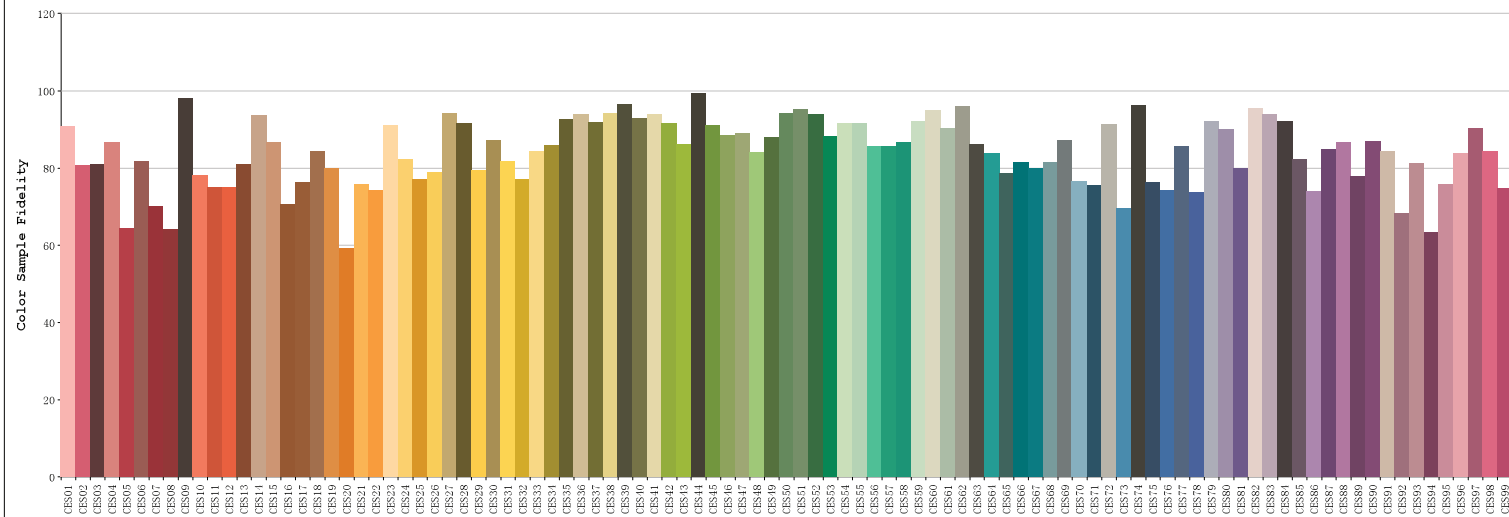
Local Hue Shift



COLOR RENDITION BY HUE (Fidelity Index)



Color Sample Fidelity Index

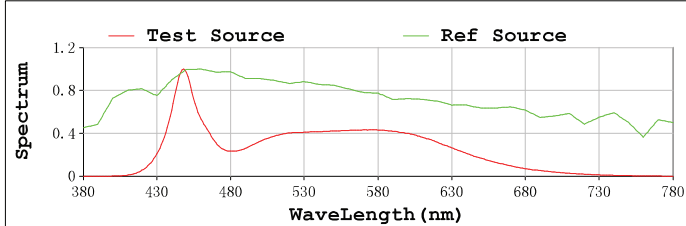




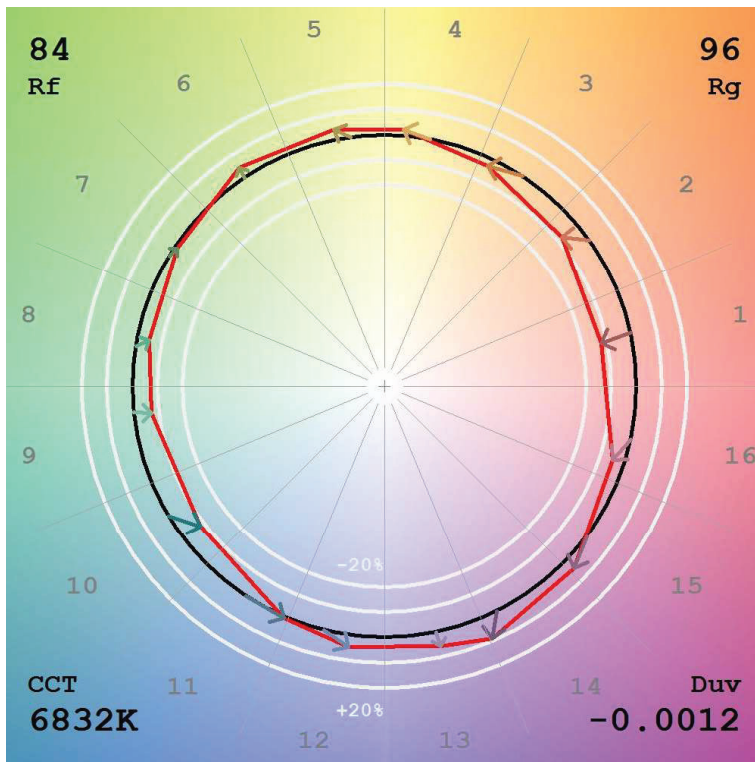
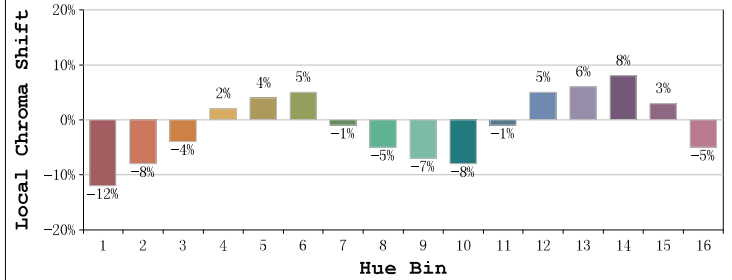
**TM30 / 6500K**

**SPECTRAL POWER DISTRIBUTION COMPARISON**

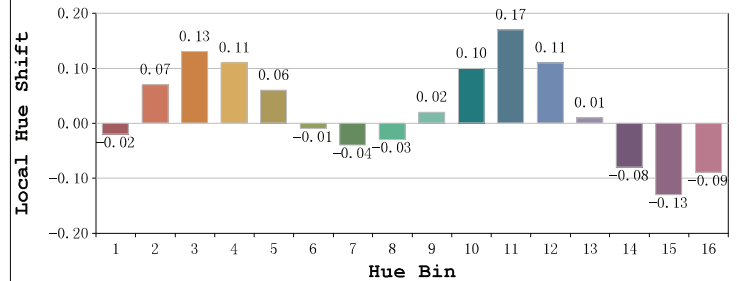
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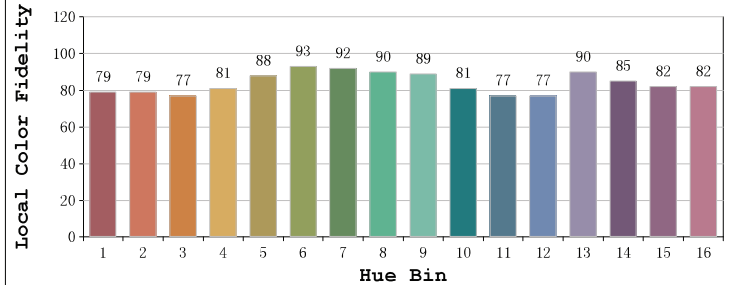
**COLOR RENDITION BY HUE (Change of Chroma)**



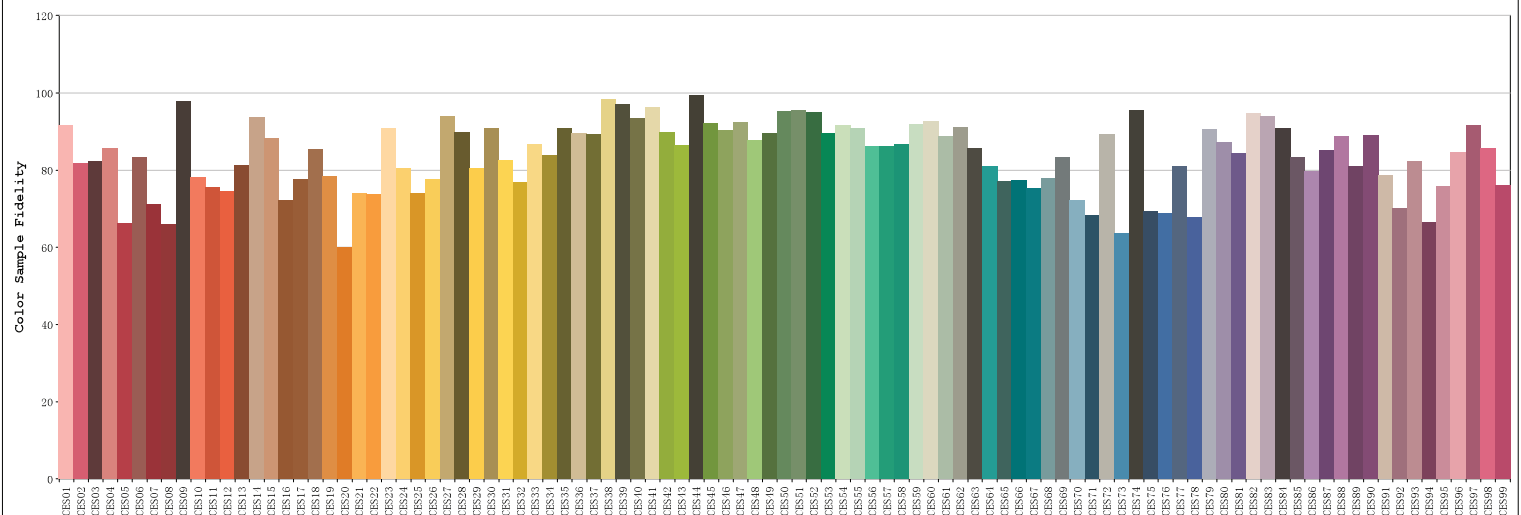
**Local Hue Shift**



**COLOR RENDITION BY HUE (Fidelity Index)**



**Color Sample Fidelity Index**



## 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:

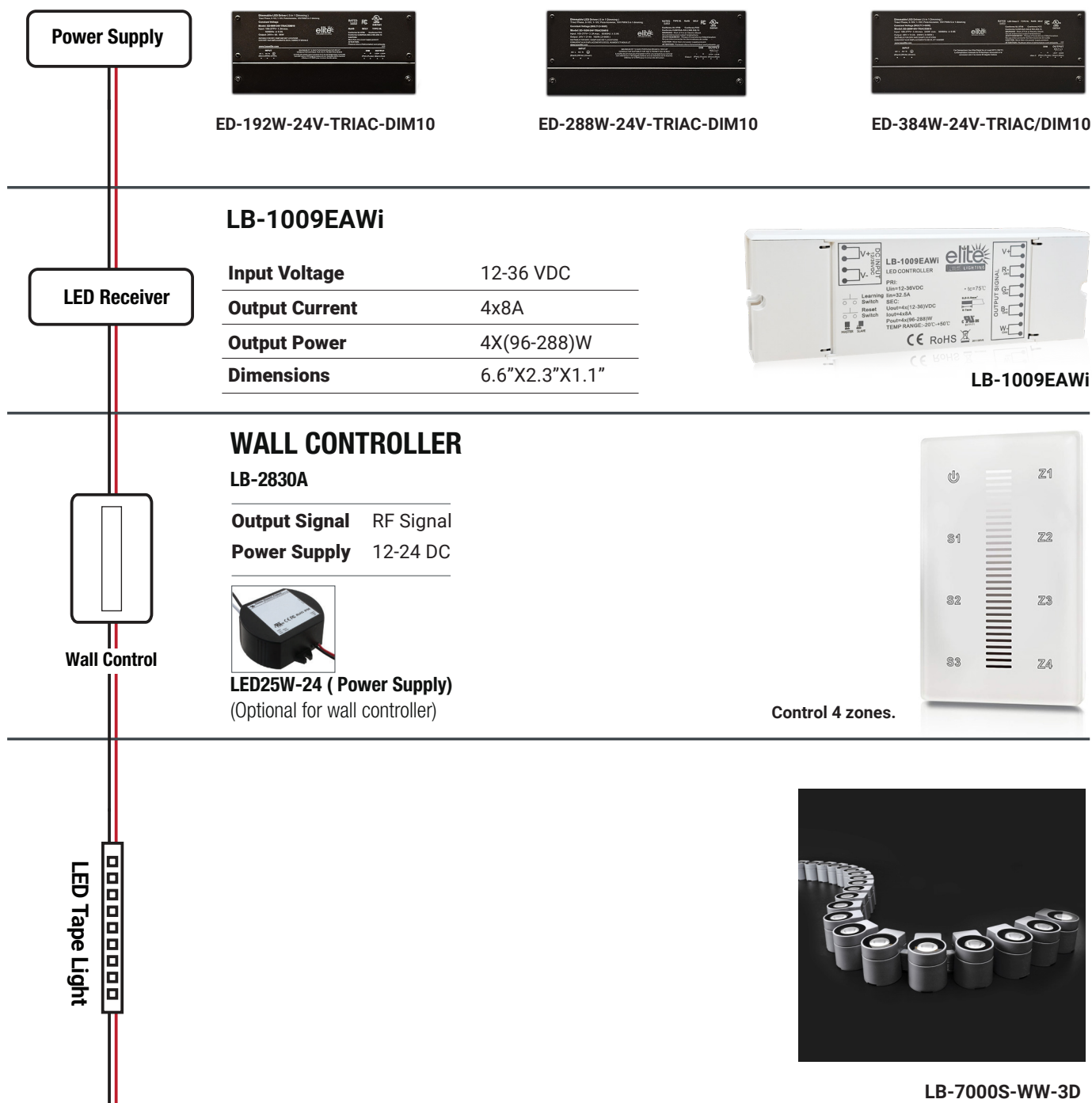
**Driver** – Powers the strip light.

**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-192W-24V-TRIAC-DIM10



ED-288W-24V-TRIAC-DIM10



ED-384W-24V-TRIAC/DIM10

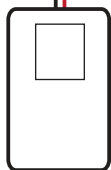
**LED Receiver**

### LB-1009EAWi

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



LB-1009EAWi



Wall Control

### WALL DIMMER CONTROLLER

LB-2833N-K5-MONO

<b>Output Signal</b>	RF Signal
<b>Power Supply</b>	3V (CR2032 battery)



Control 1 zone.

LED Tape Light

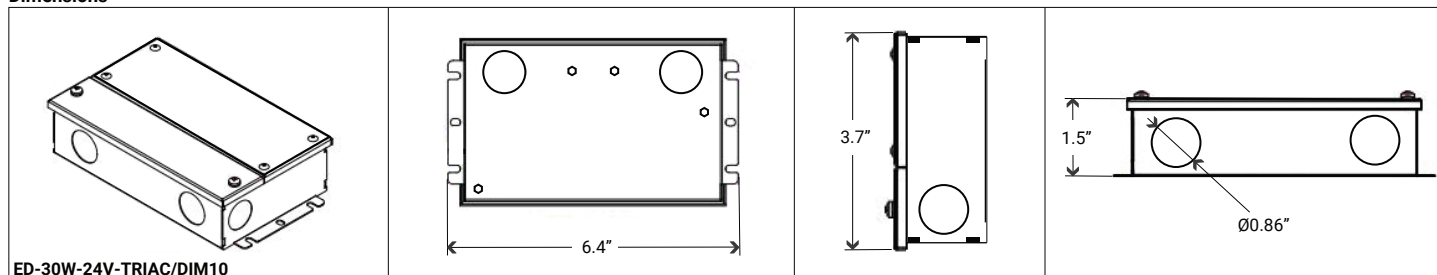


LB-7000S-WW-3D

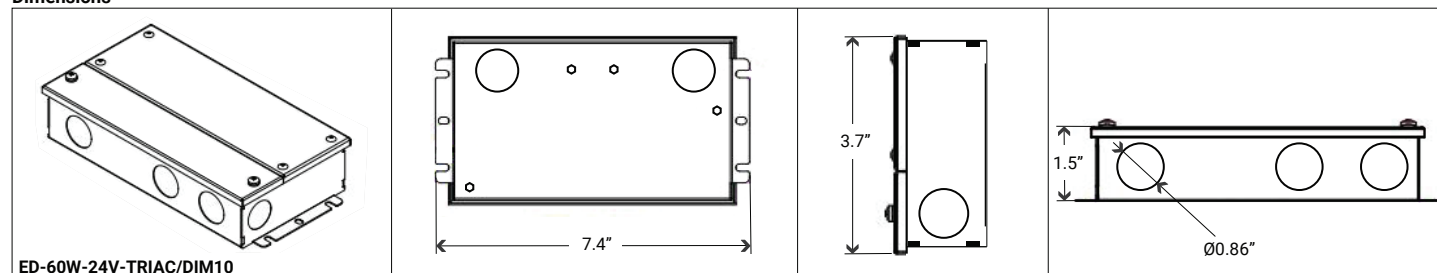


**Triac-Phase Cut/Triac ELV/0-10V/1-10V PWM/Potentiometer (5 in 1) Dimmable**
**PN: ED-30W-24V-TRIAC/DIM10**

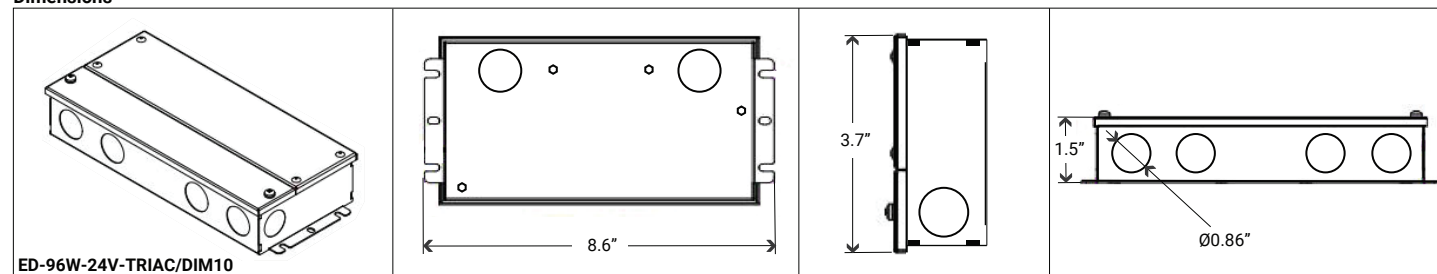
Model	Input Voltage	Output Voltage	Wattage	Max. Output current	Frequency	Location	Certificate
ED-30W-24V-TRIAC/DIM10	100-277VAC	24V	30W	1.25A	50/60Hz	Dry, Damp, and Wet locations	UL, cUL, FCC, Class 2, RoHS

**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

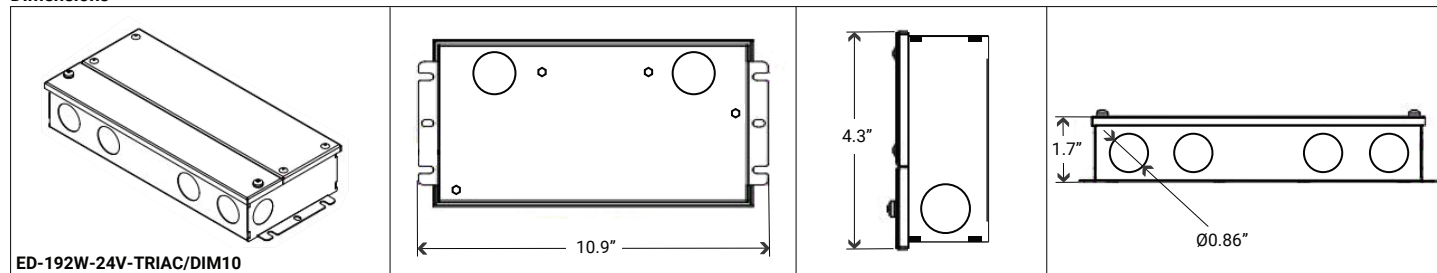
**Dimensions**

**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

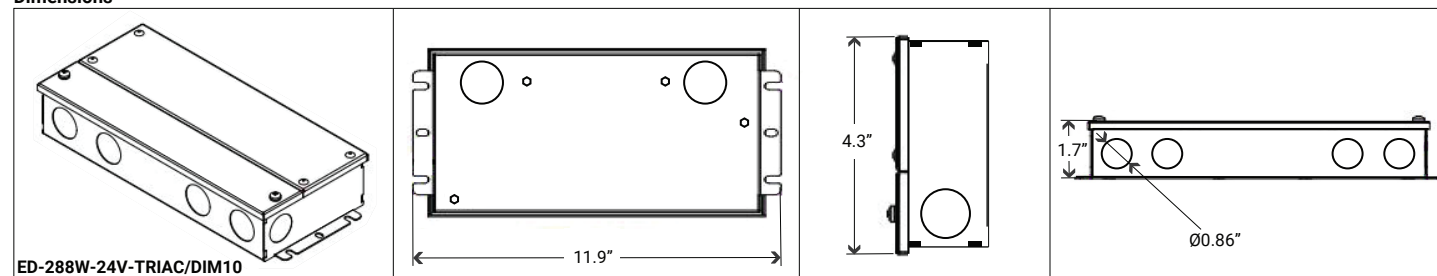
**Dimensions**


**Triac-Phase Cut/Triac ELV/0-10V/1-10V PWM/Potentiometer (5 in 1) Dimmable**
**PN: ED-192W-24V-TRIAC/DIM10**

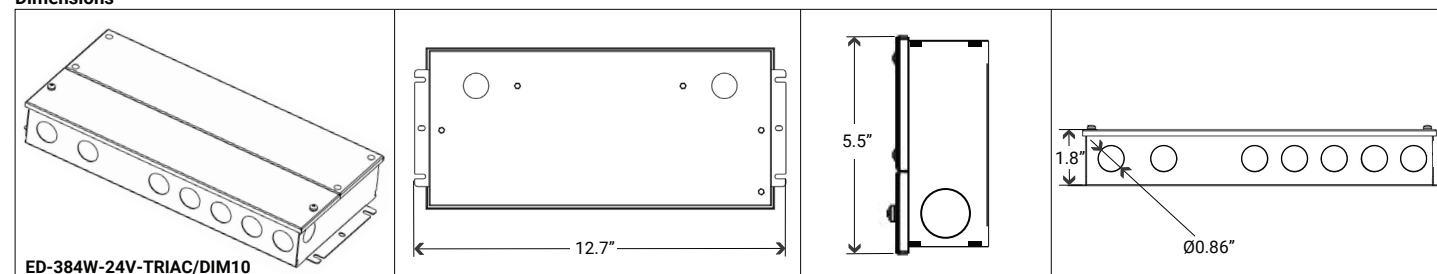
Model	Input Voltage	Output Voltage	Wattage	Max. Output current	Frequency	Location	Certificate
ED-192W-24V-TRIAC/DIM10	100-277VAC	24V	192W	Multi 2X96W	50/60Hz	Dry, Damp, and Wet locations	UL, cUL, FCC, Class 2, RoHS

**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

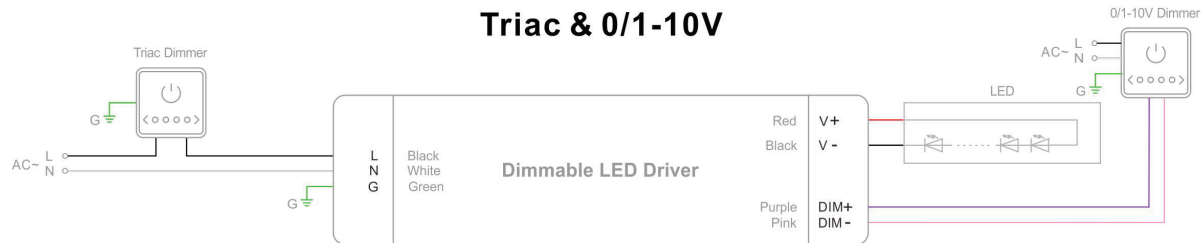
**Dimensions**

**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**


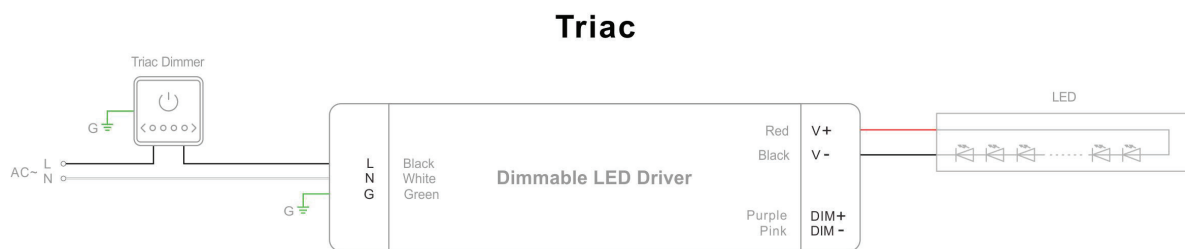
## Dimming Operation and Connecting Diagram

- **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;

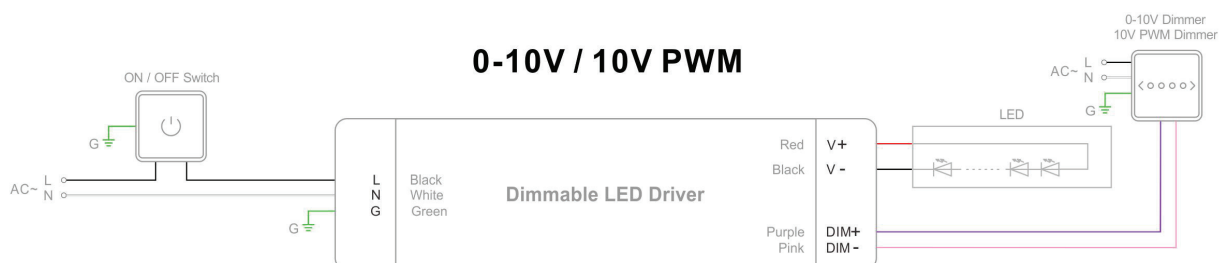


- **Using one dimming ---TRIAC/Phase cut dimming**

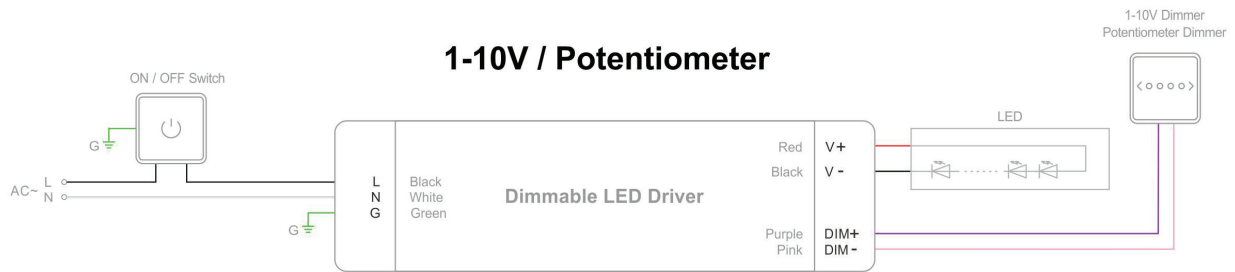
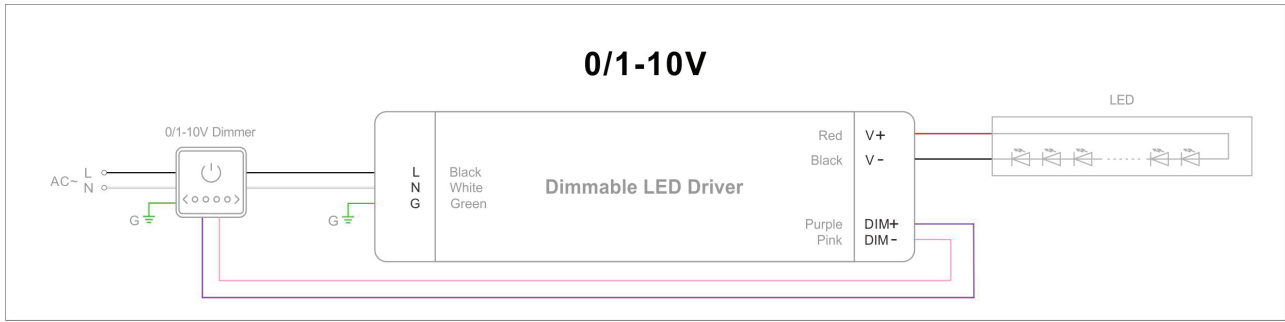
1. The Pulse-Width Modulation (PWM) of output voltage can be adjusted through input terminal of the AC phase line(L) by connection a phase /Triac dimmer or lighting system.
2. Working with forward phase, MLV and Reverse phase , ELV, TRIAC dimmers or light system.
3. Min. loading is about 10%
4. Please 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

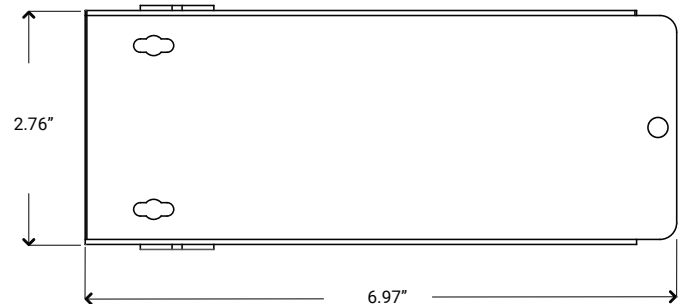
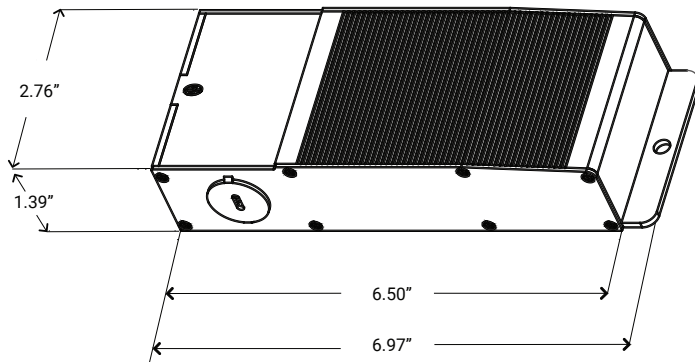
TRIAC Dimming for 120VAC / Non-Dimming for 277VAC

#### 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

#### DIMENSIONS

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

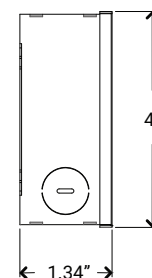
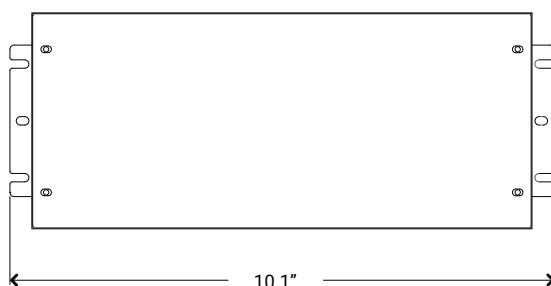


#### PN: HBL150-AW-24-DI

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

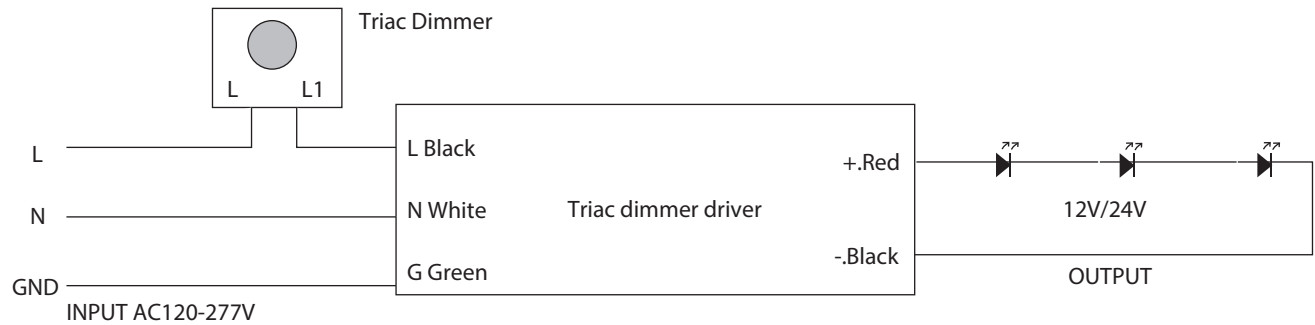
#### DIMENSIONS

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



## 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

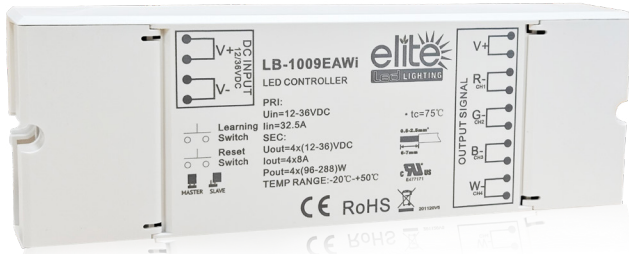
**RF wireless Single Color Remote can control 1 zone of receiver.** This single color controller is compatible with all universal series RF receivers. **One receiver can be paired with a maximum of 8 remote controllers.** This device contains a button lithium battery that should be stored and disposed 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

<b>Input Voltage</b>	12-36 VDC	<b>Frequency</b>	869.5/916.5/434mhz
<b>Output Current</b>	4x8A	<b>Certifications</b>	FCC / RoHS
<b>Output Power</b>	4x(96-288)W	<b>Color</b>	White
<b>Dimensions</b>	6.6"X2.3"X1.1"	<b>Warranty</b>	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