LB8000-12-SB-ST

Lumi-PRO/Static White-Side Bend Flex Neon LED Strip Light

FEATURES

The LB8000-12-SB-ST Lumi-PRO LED Strip Light is a highly versatile, side-bending flexible neon linear lighting solution designed for both indoor and outdoor applications. It offers a wide range of color temperatures — 2700K, 3000K, 4000K, 5000K, and 6500K — providing flexibility to create the desired ambiance and lighting effects in a variety of environments.

Engineered for easy installation, it can be seamlessly integrated into different spaces and surface-mounted on walls, ceilings, or furniture using optional mounting brackets (sold separately). This makes it suitable for architectural, decorative, and functional lighting in both residential and commercial settings. Typical applications include outdoor and wet locations, cove lighting, architectural accents, and handrails.

Max run up to 32.81 ft

Indoor-Outdoor/Wet Location (IP67)

Side Bend

Materials: PVC (Polyvinyl Chloride), high temperature resistant

Warranty: 5 years (indoor) / 3 years (outdoor) for parts and components

Average lifetime: L70 > 60,000 hours, reported

Color Temp.	3.5 W/ft
2700K	160 lm/ft
3000K	180 lm/ft
4000K	185 lm/ft
5000K	185 lm/ft
6500K	185 lm/ft

MOUNTING TRACK

FNC-1212-5

Bendable Aluminum Track
19” Length

FNC-1212-1

Bendable Aluminum Track
39” Length

LB8000-12-CH

Flangeless Aluminum Channel
39” Length

LB8000-12-CH-BR

Flangeless Aluminum bracket
1.3” Length

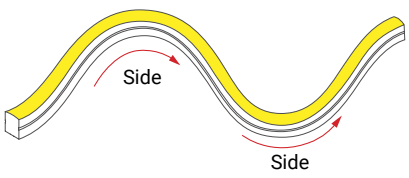
LB8000-12-PC-CLIP-BAG
50 Clips per Bag

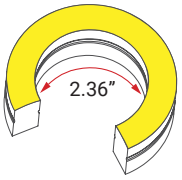
Polycarbonate Mounting Clip
L0.63 × W0.59 × H0.51 in

TECHNICAL DETAILS

Power	3.5 W/ft
Voltage	24V
IP	IP67
CRI	95+
LPW	52 lm/W
LED Qty	44/ft
Max Run(ft)	32.81 ft
Cutting Length	Field-cuttable every 1.64”
Dimensions	W0.49” X H0.47”
Working Temp.	−20°C to +60°C (−4°F to +140°F)

MINIMUM BEND DIAMETER: 2.36 in (60.0 mm)

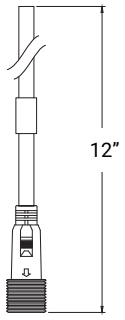


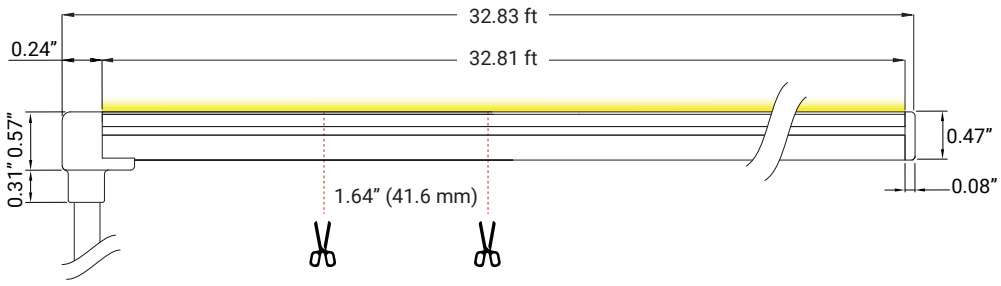


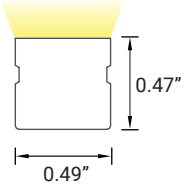
Do not bend the Flex-Neon tape light beyond its specified bending diameter, as this may cause damage and will not be covered under warranty.

DIMENSIONS

The flex neon comes with a 12-inch standard-length female barrel connector with anti-wicking, attached to the bottom side of one end, along with an accessory kit.







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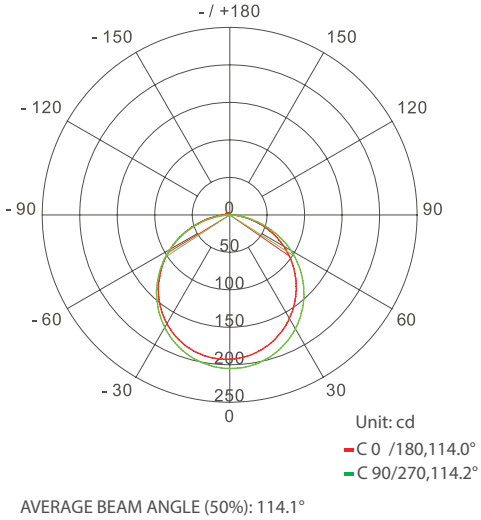
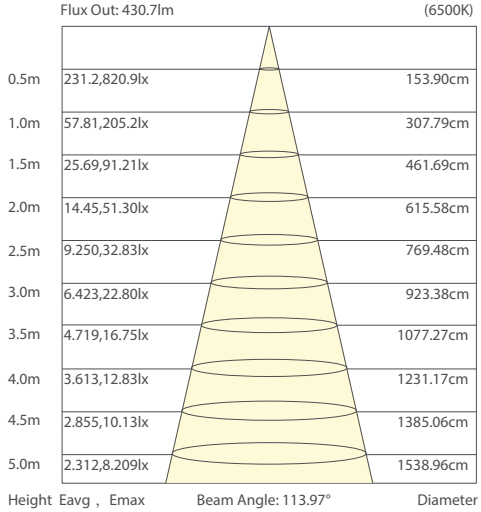
Lumi-PRO/Static White-Side Bend Flex Neon LED Strip Light

Luminous Intensity Distribution Diagram

6500K



AVERAGE BEAM ANGLE (50%): 114.1°



Accessories

LB8000-12-EC
(2 End caps Included)

Silicone end cap non-power feed

0.5”x0.4”x0.5”

LB8000-12-EC-PF-EF
(2 End caps Included)

Silicone end cap power feed

1”x0.5”x0.5”

LB8000-12-EC-PF-BF
(2 End caps Included)

Silicone end cap Side/ bottom-power feed

1”x0.8”x0.5”

WL-BCF-2P-WHT
(1 Piece Included)

Female Barrel Connector with Anti-Wicking ferrule

12” Length

WL-BCM-2P-WHT
(2 Pieces Included)

Male Barrel Connector

72” Length

Ordering Selection

Example: LB8000-12-SB-ST-3.5W-32F-30K-24V

LB8000-12-SB-ST					
SERIES	**WATTAGE**	**LENGTH**	**CCT**	**VOLTAGE**	**ACCESSORIES**
LB8000-12-SB-ST	**3.5W -** 3.5W/ft	**32F** - 32.83ft / Roll **CUS** - Custom **1** (Cutting length every 1.64”)	**27K** - 2700K **30K** - 3000K **40K** - 4000K **50K** - 5000K **65K** - 6500K	**24V** - 24V	**FNC-1212-5** - AL. Track 19” Length **FNC-1212-1** - AL. Track 39” Length **LB8000-12-CH-BR** - Flangeless bracket **LB8000-12-CH** - Flangeless channel **LB8000-12-PC-CLIP-BAG** - PC mounting clip (50 clips per bag) **LB8000-12-EC** - Silicone end cap/end **LB8000-12-EC-PF-EF** - Silicone end cap/power feed **LB8000-12-EC-PF-BF** - Silicone end cap side/bottom power feed **WL-BCF-2P-WHT** - Female barrel connector 12” Length **WL-BCM-2P-WHT** - Male barrel connector 72” Length **KIT-ACC-LB8000-12-ST** - Accessory kit **(INCLUDED)** **2 end caps, 2 power feed end caps, 2 bottom power feed end caps, 2 male barrel connectors and, 1 female barrel connector.**

CONTROLLERS	**DRIVER**
LB-2830A - RF single color controller **LB-2833N-K5-MONO** - RF single color dimmer **LED25W-24** - Power supply **LB-1009EAWI** - RF+WiFi receiver	**Refer to the next pages for available options.**

1.When cutting in the field, wiring accessories must be sealed with UV glue and cured using UV light to achieve an IP65 rating. For optimal results, we recommend customizing the lengths at the factory, as cutting the tape light in the field may damage the IP67-rated protection.

Due to the changes of constant improvement in LED technology, all details are subject to change **without notice**. Consult factory for **up to date information**.

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.

Power Supply

ED-96W-24V-TRIAC-DIM10

ED-192W-24V-TRIAC-DIM10

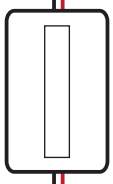
ED-288W-24V-TRIAC-DIM10

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 CONTROLLER

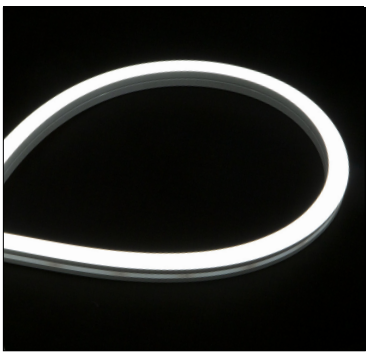
LB-2830A

Output Signal	RF Signal
Power Supply	12-24 DC

LED25W-24 (Power Supply)
(Optional for wall controller)

Control 4 zones.

LED Tape Light



LB8000-12-SB-ST

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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

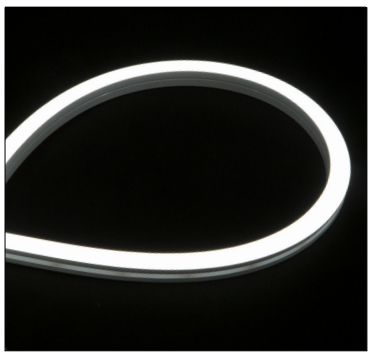
WALL DIMMER CONTROLLER

LB-2833N-K5-MONO

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

Control 1 zone.

LED Tape Light



LB8000-12-SB-ST

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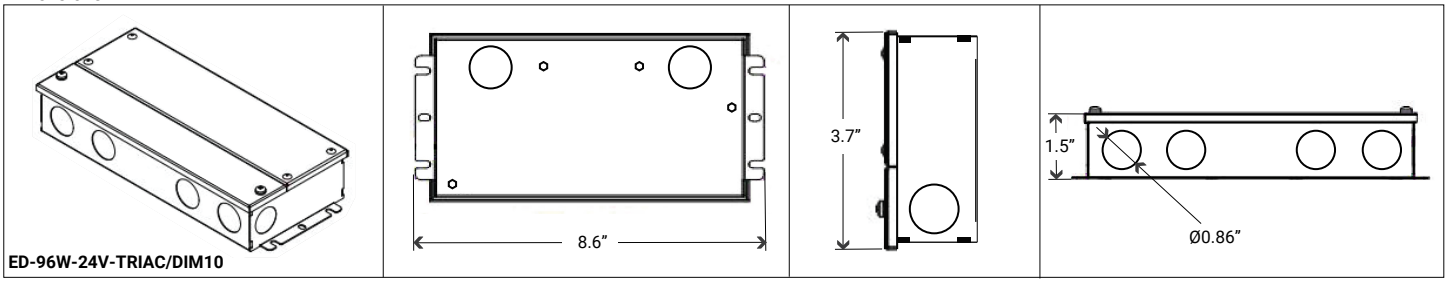
Triac-Phase Cut/Triac ELV/0-10V/1-10V PWM/Potentiometer (5 in 1) Dimmable

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

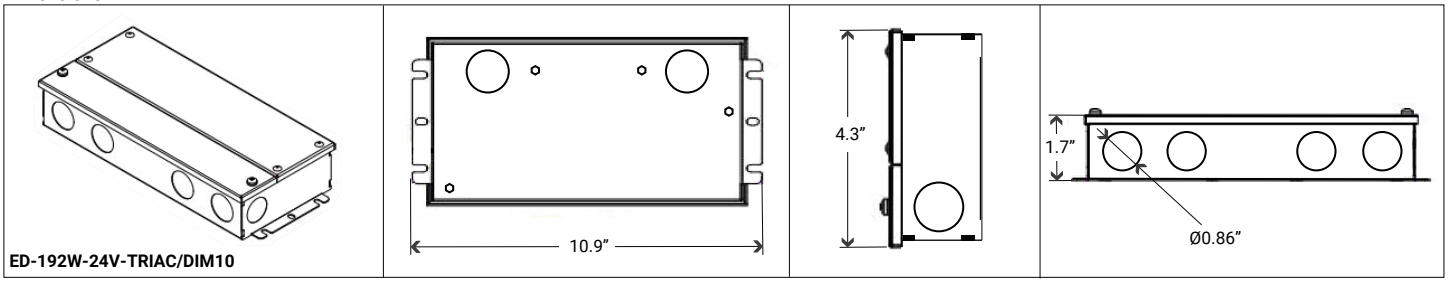
Dimensions



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

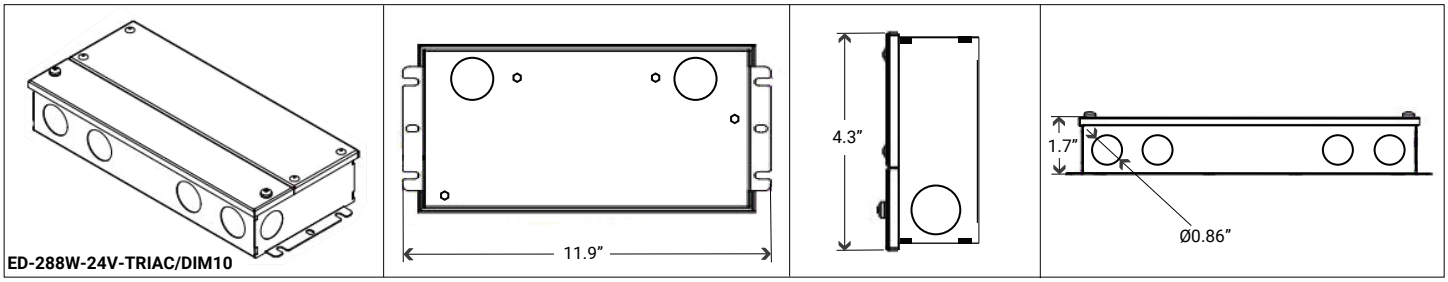
Dimensions



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



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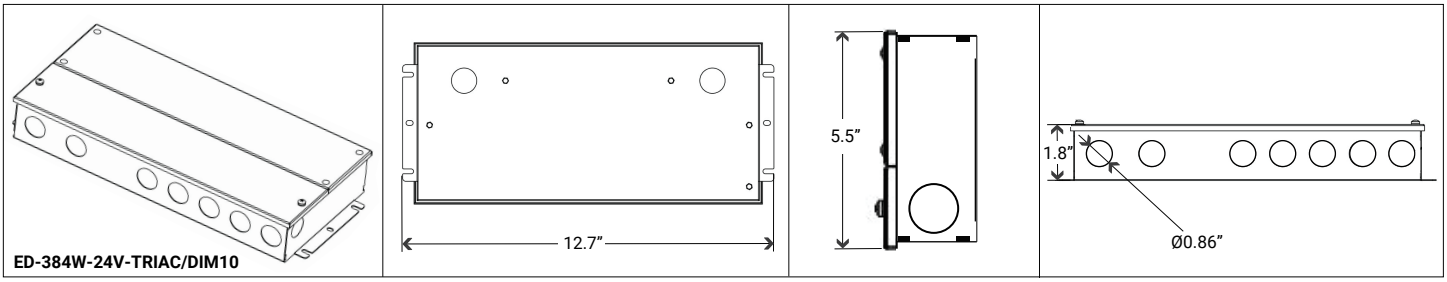
Triac-Phase Cut/Triac ELV/0-10V/1-10V PWM/Potentiometer (5 in 1) Dimmable

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, FCC, Class 2, RoHS

Dimensions



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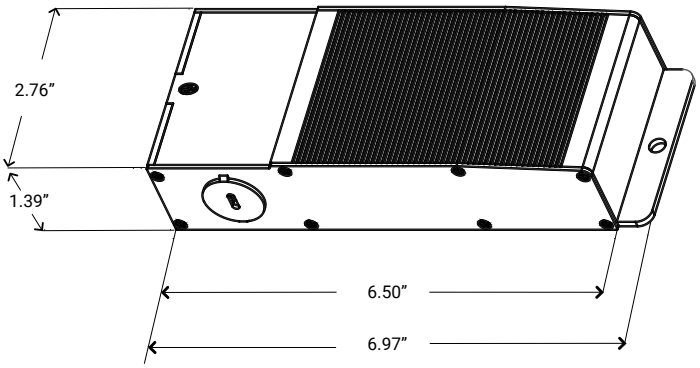
Constant Voltage TRIAC Dimmable Driver

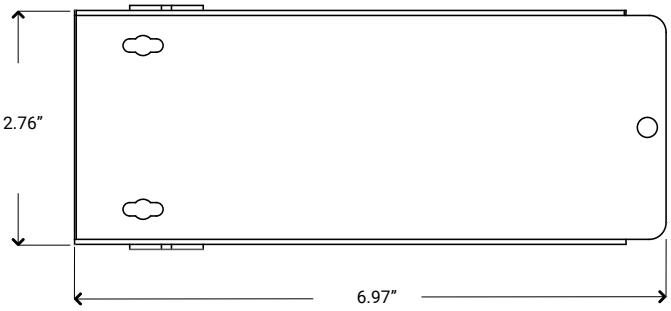
PN:HBL096-AW-24-DA

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



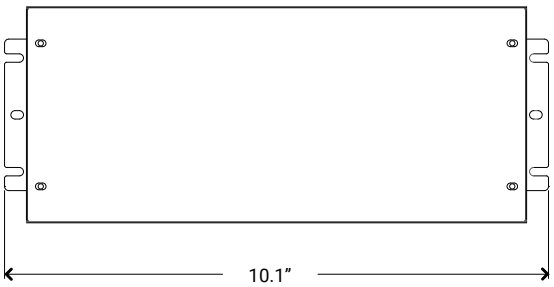


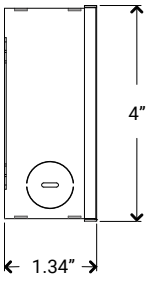
PN:HBL150-AW-24-DI

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





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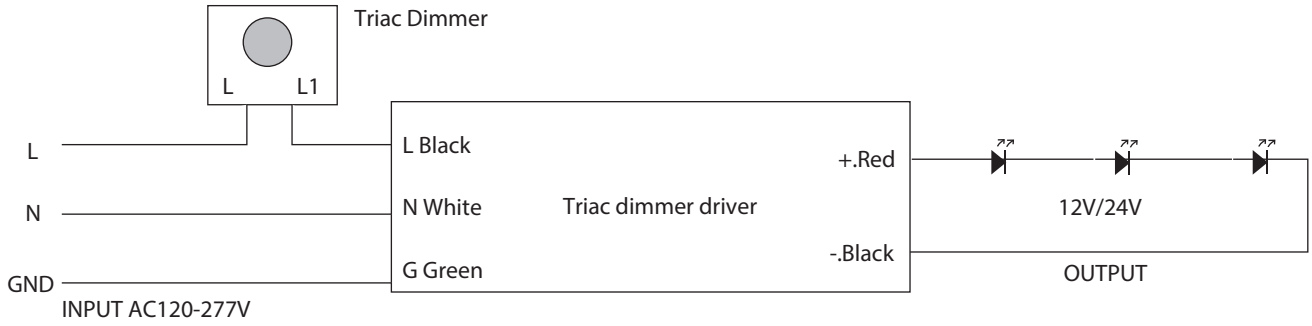
fusion LIGHTING

Intertek

Constant Voltage TRIAC Dimmable Driver

Connecting Diagram



Dimmer Compatible Chart

Brand	Senies	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%

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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

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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	**Frequency**	869.5/916.5/434mhz
Output Current	4x8A	**Certifications**	FCC / RoHS
Output Power	4x(96-288)W	**Color**	White
Dimensions	6.6”X2.3”X1.1”	**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

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