



FEATURES

The LB3000-NSF-ST Food-Grade COB LED Strip Light is a premium, dot-free linear lighting solution designed for food processing, preparation, packaging, and display environments where safety, hygiene, and visual comfort are essential. Featuring advanced COB technology and NSF-certified construction, it delivers a perfectly homogeneous line of light while meeting food-grade safety standards.

Its durable design provides excellent bending resistance, while the immersion gold FPC finish minimizes color drift and enhances oxidation resistance for long-term reliability. Available in color temperatures from 2700K to 6500K with a CRI of 90+, this 24V DC LED strip is resistant to oil, moisture, and cleaning agents, making it ideal for food-safe applications.

Wet Location (IP67)

VHB Adhesive Backing

Immersion gold FPC finish prevents color drift and oxidation

Width: 0.47"/12 mm - Beam Angle: 120°

Top Bend / Minimum Bend Diameter: 100 mm (3.94 in)

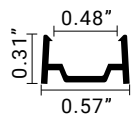
Warranty: 5-year warranty for parts and components (labor not included).

Color Temp.	4.57 W/ft	lm/W
2700K	410 lm/ft	90 lm/W
3000K	420 lm/ft	90 lm/W
3500K	435 lm/ft	95 lm/W
4000K	460 lm/ft	90 lm/W
5000K	435 lm/ft	95 lm/W
6500K	435 lm/ft	90 lm/W

WIRING ACCESSORIES (The tape light comes with a 4ft standard length soldered lead attached to one side, along with an accessory kit)

LB3000-NSF-EXTR

Length: 3'-3.4"



PC Extrusion (transparent)

LB3000-NSF-SC

16 Pieces Included



Silicone Clip

LB3000-NSF-EC

(2 Pieces included)



End Cap

LB3000-NSF-EC-PF

(2 Pieces included)



Power feed End Cap

Lead Wire

(2 Pieces included)

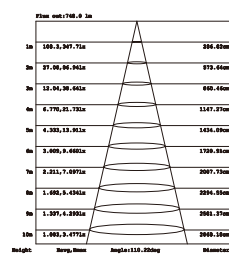
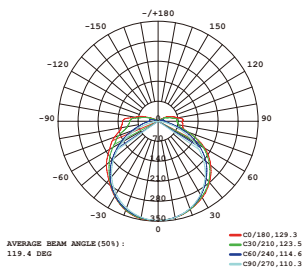


Length: 4'

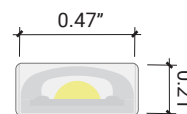
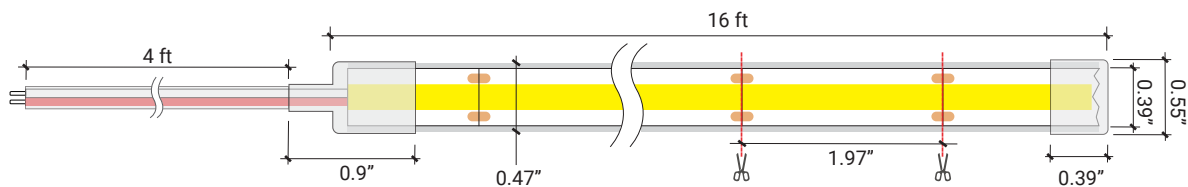
TECHNICAL DETAILS

Power	4.57 W/ft
Voltage	24V
CRI	90+
LED Qty	146/ft
Max Run(ft)	16 ft
Cutting Length	Field-cuttable every 1.97"
Dimensions	W0.47" X H0.21"
Max. Working Temp	-40 °C to 40 °C (-40 °F to 104 °F)

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



DIMENSIONS





Food Processing Facilities



Food Packaging Areas



Cold Storage Facilities



Foodservice Establishments

ORDERING SELECTION

Example: LB3000-NSF-ST-4.5W-16F-27K-24V

					End 1	End 2
LB3000-NSF-ST						
					Leave END blank when no ACCESSORY is desired	
SERIES	WATTAGE	LENGTH	CCT	VOLTAGE	WIRING ACCESSORIES	
LB3000-NSF-ST	4.5W - 4.57W/ft	16F - 16 ft / Roll C - Custom 1 (Cutting length every 1.97")	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K 65K - 6500K	24V - 24V	LB3000-NFS-EXTR - PC Extrusion/Length: 3'-3.4" LB3000-NSF-SC - Silicone Clip LB3000-NSF-EC - End Cap LB3000-NSF-EC-PF - End Cap Power feed KIT-ACC-LB3000-NSF-ST - Accessory Kit (INCLUDED) 16 Mounting Clips 2 Power Feed End Caps 2 End Caps 2 Lead Wires	
					Refer to the next pages for available options.	

2 CONTROLLERS

LB-2830A - RF Single Color Controller
LB-2833N-K5-MONO - RF Single Color Dimmer
LED25W-24 - Power Supply
LB-1009EAWI - RF+WiFi Receiver

SHIPPING OPTIONS

RL - Rolls
PA - Pre-Assembled
FA - Fully Assembled

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.
2-The LED Drivers, controllers, and receivers are not IP rated.

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:

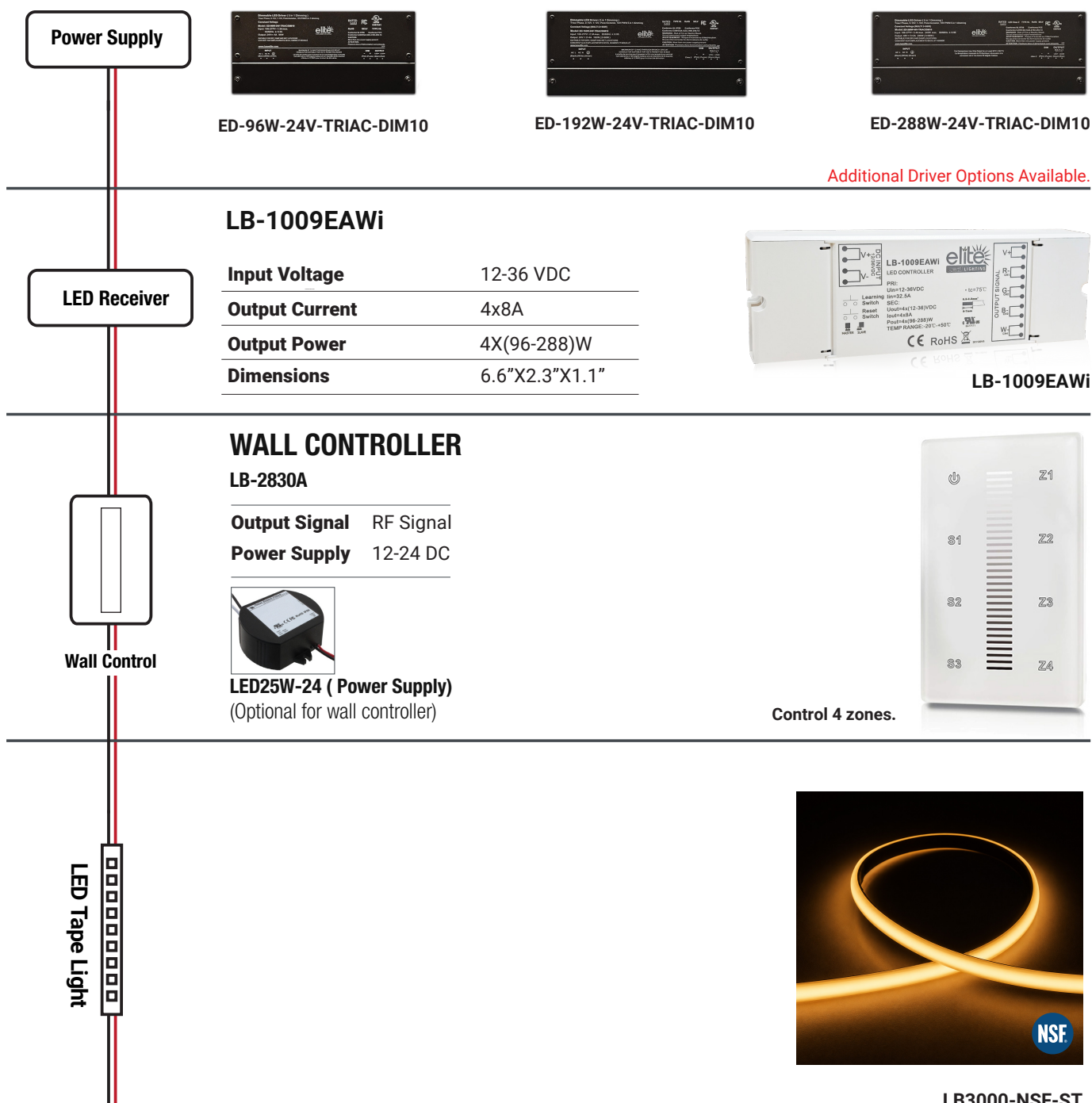
Driver – Powers the strip light.

Receiver – Receives RF 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 proper power conversion and signal reception for LED strip operation.



Static White / Wall Dimmer Controller (RF Signal)

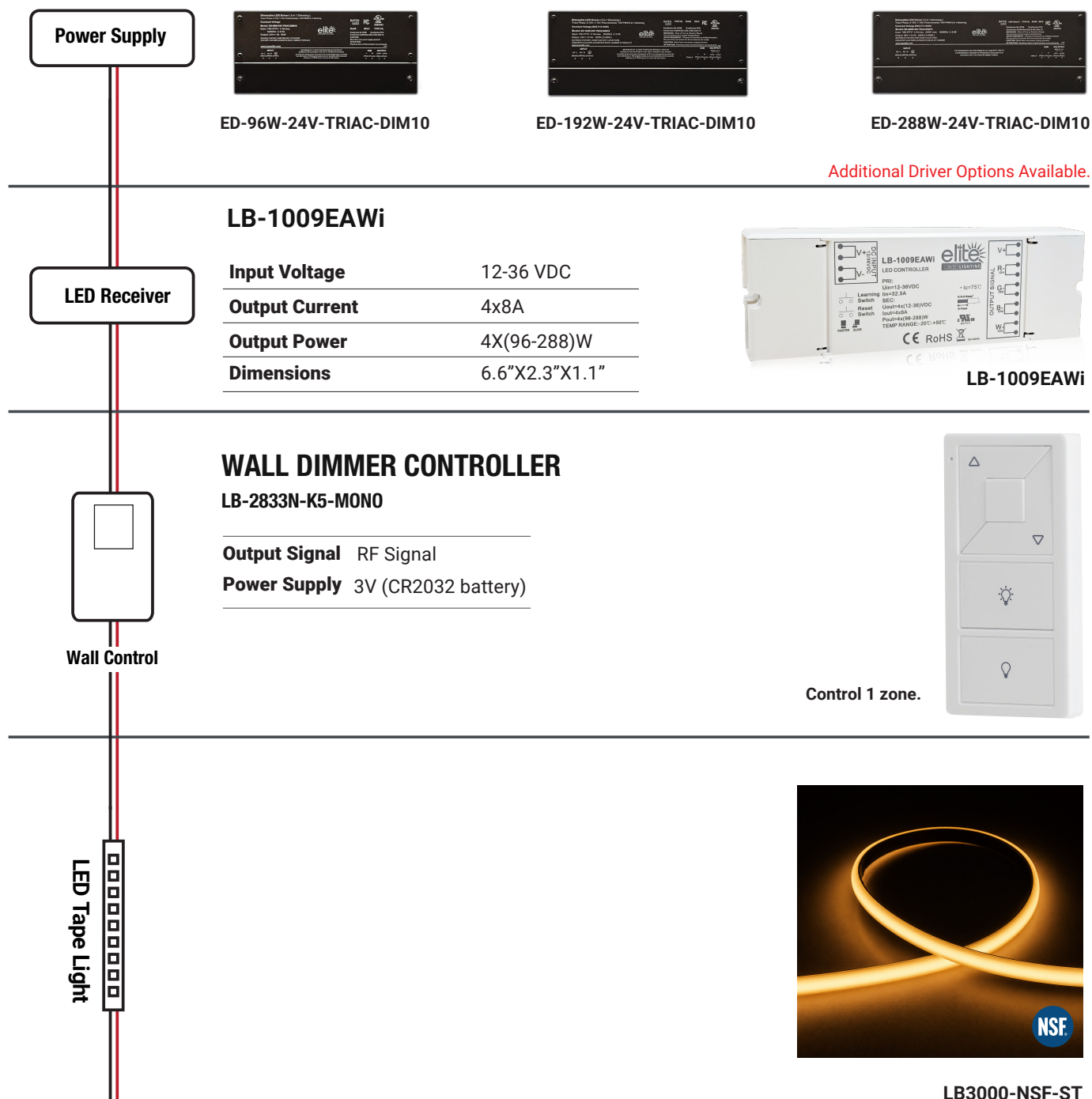
This solution enables the strip light to function with a wall dimmer controller (RF signal). It includes the following components:

Driver – Powers the strip light.

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

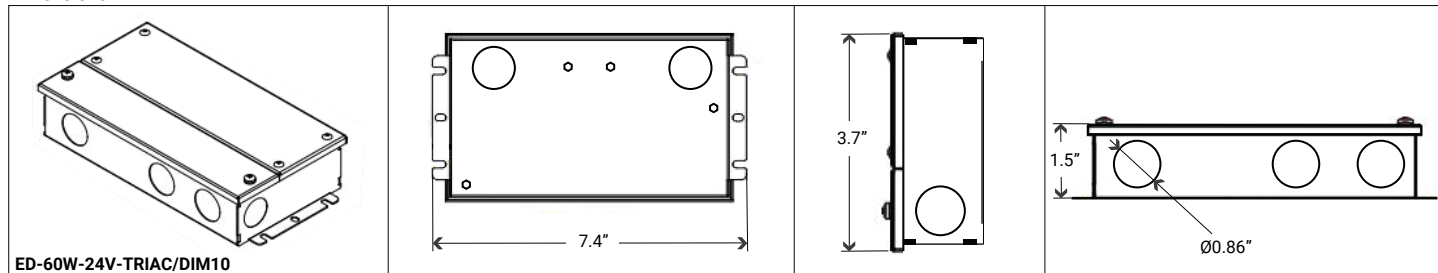
Wall Dimmer Controller (RF Signal) – Used to control the strip light remotely, powered by a 3V CR2032 battery.

This configuration ensures proper power conversion and signal reception for LED strip operation.

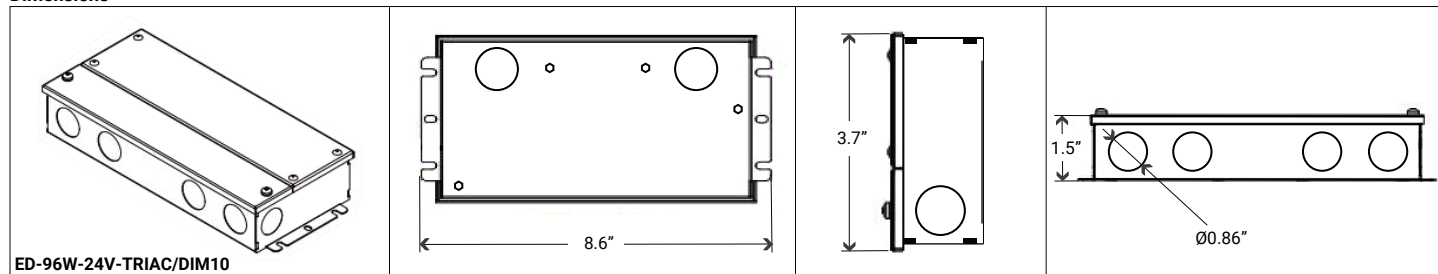


Triac-Phase Cut/Triac ELV/0-10V/1-10V PWM/Potentiometer (5 in 1) Dimmable
PN: ED-60W-24V-TRIAC/DIM10

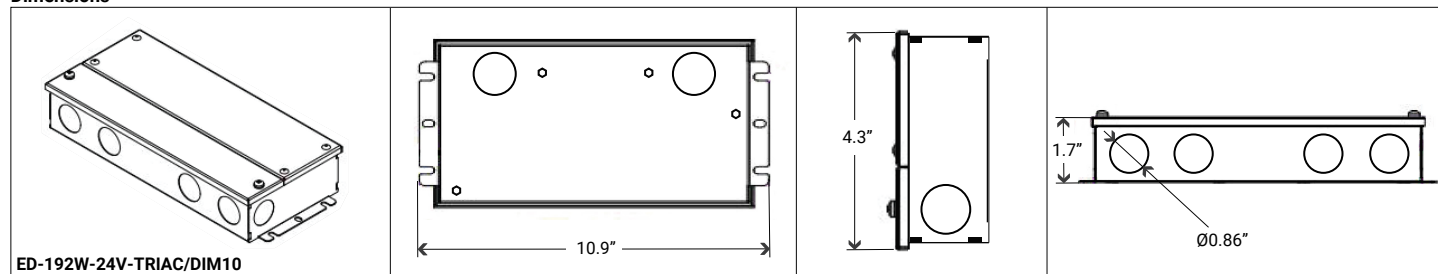
Model	Input Voltage	Output Voltage	Wattage	Max. Output current	Frequency	Location	Certificate
ED-60W-24V-TRIAC/DIM10	100-277VAC	24V	60W	2.5A	50/60Hz	Dry, Damp, and Wet locations	UL, cUL, FCC, Class 2, RoHS

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

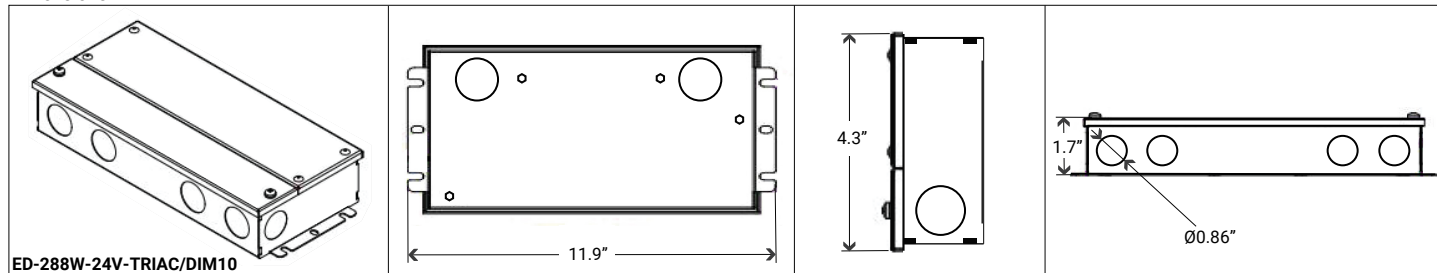
Dimensions

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

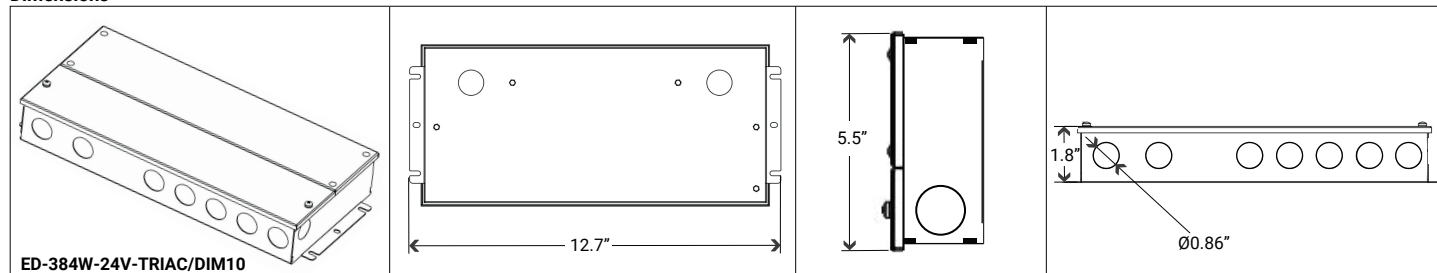
Dimensions


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




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-Year 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-Year 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	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-Year 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