



FEATURES

The LB8000-SB-WW-FC-ST Lumi-PRO LED Strip Light is an easy-to-install, side-bend flexible neon linear lighting solution designed for upward or downward wall washing, depending on the mounting orientation. Its triangular profile provides even, uniform illumination across the surface where it is installed.

Designed as a robust, high-performance linear lighting solution for interior architectural applications, the strip light is offered in six CCT options ranging from 2700K to 6000K and includes free-cut capability, allowing it to be cut to any length in the field for maximum design flexibility.

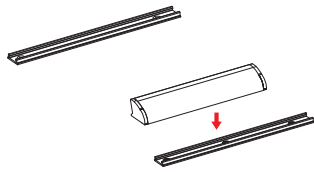
Rated IP67 and IK08, it is suitable for use in outdoor and wet locations, as well as for cove lighting and architectural accents.

- Max run up to 16 ft
- Outdoor/Wet Location (IP67) / Indoor (IP20 if cut in field)
- Side Bend / 120° Beam Angle
- Field cuttable: Cuttable anywhere
- Average lifetime: L70 > 60,000 hours, reported
- Warranty: 5-year warranty for parts and components (labor not included).

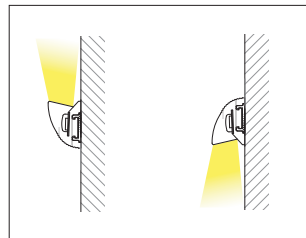
| Color Temp. | 4.3 W/ft | | |
|-------------|-----------|-------|-----------|
| 2700K | 195 lm/ft | 4000K | 215 lm/ft |
| 3000K | 200 lm/ft | 5000K | 210 lm/ft |
| 3500K | 210 lm/ft | 6000K | 210 lm/ft |

MOUNTING TRACK

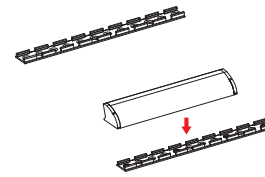
LB8000-SB-WW-AL-EXT



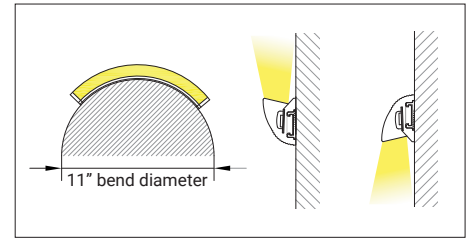
Aluminum Extrusion
3.2 ft Length



LB8000-SB-WW-BAT



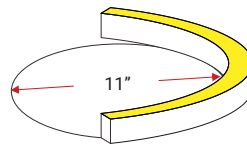
Bendable Aluminum Track
3.2 ft Length



TECHNICAL DETAILS

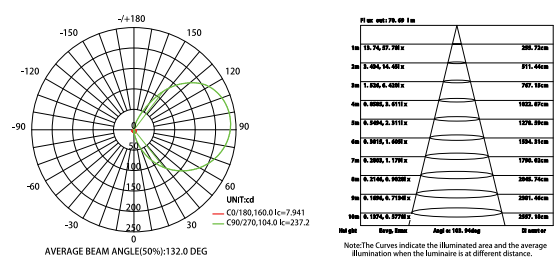
| | |
|---------------|---------------------------|
| Power | 4.3 W/ft |
| Voltage | 24V |
| CRI | 90+ |
| LPW | 50 lm/W |
| IP | IP67 |
| LED Qty | 36/ft |
| Max Run(ft) | 16 ft |
| Dimensions | W 0.55" x H 0.79" |
| Working Temp. | -4°F +113°F / -20°C +45°C |

BEND DIAMETER

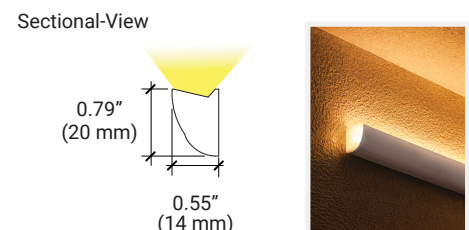
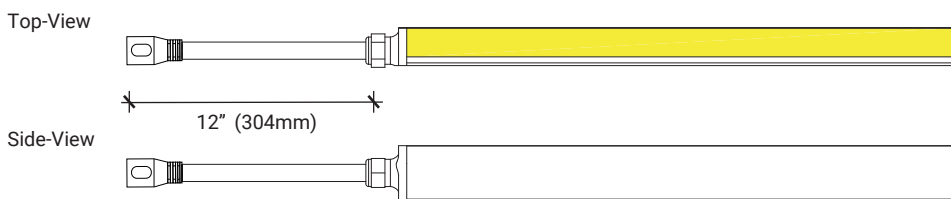


Do not bend the Flex-Neon tape light beyond its specified bending radius, as this may cause damage and will not be covered under warranty.

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

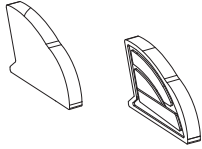
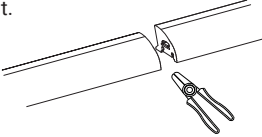
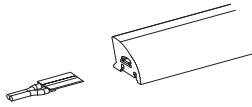
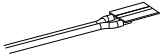
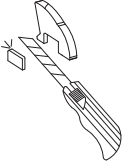
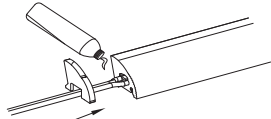
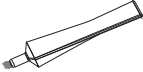
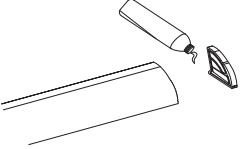
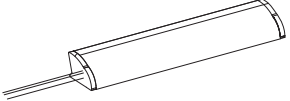


DIMENSIONS



The tape light comes with a 12-inch standard length female barrel connector attached to one side, along with an accessory kit.

FIELD CUTTING INSTRUCTIONS

| | | |
|--|--|--|
|  <p>End Caps</p> | <p>1- Cut the LED strip light to the desired length. Ensure the cutting surface is perpendicular to the strip light.</p>  | <p>2- Insert the rigid conductive power plate into the gap between the PCBA and the jacket, ensuring correct polarity.</p>  |
|  <p>RCP-SB-WW-2P-WH Rigid Conductive Power Plate with Integrated Power Cable</p> | <p>3- Open the reserved gap in the tail end cap.</p>  | <p>4- Fill the front end cap with UV glue, then install it onto the neon strip.</p>  |
|  <p>UV Glue Not Included</p> | <p>4- Fill the tail end cap with UV glue, then install it onto the end of the neon strip.</p>  | <p>5- Allow sufficient time for the glue to fully cure before use.</p>  |

ACCESSORIES

LB8000-SB-WW-FEC
2 Included



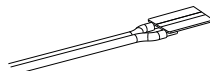
Front-end cap

LB8000-SB-WW-TEC
2 Included



Tail-end cap

RCP-SB-WW-2P-WH
2 Included



Rigid conductive power plate with integrated power cable (72" length)

NOTE:

The tape light is rated IP67 for outdoor applications only when supplied in factory-sealed lengths and not cut in the field. If the tape light is cut on-site and reconnected using a conductive plate, the IP rating is reduced to IP20 and is suitable for indoor use only.

ORDERING SELECTION

Example: LB8000-SB-WW-FC-ST-4.3W-16F-30K-24V

| LB8000-SB-WW-FC-ST | | | | | | |
|--------------------|----------------|-----------------------------------|--|-----------|--|--|
| SERIES | WATTAGE | LENGTH | CCT | VOLTAGE | ACCESSORIES | DRIVER |
| LB8000-SB-WW-FC-ST | 4.3W - 4.3W/ft | 16F - 16 ft/Roll CUS_ - Custom | 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K 60K - 6000K | 24V - 24V | LB8000-SB-WW-AL-EXT - Aluminum Extrusion / 3.2 ft length LB8000-SB-WW-BAT - Bendable Aluminum track 3.2 ft length LB8000-SB-WW-FEC - Front-end cap LB8000-SB-WW-TEC - Tail-end cap RCP-SB-WW-2P-WH - Rigid Conductive Power Plate KIT-ACC-LB8000-SB-WW-FC-ST - Accessory Kit (INCLUDED) 2 Front end caps 2 Tail end caps 2 Rigid Conductive Power Plates | 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

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:

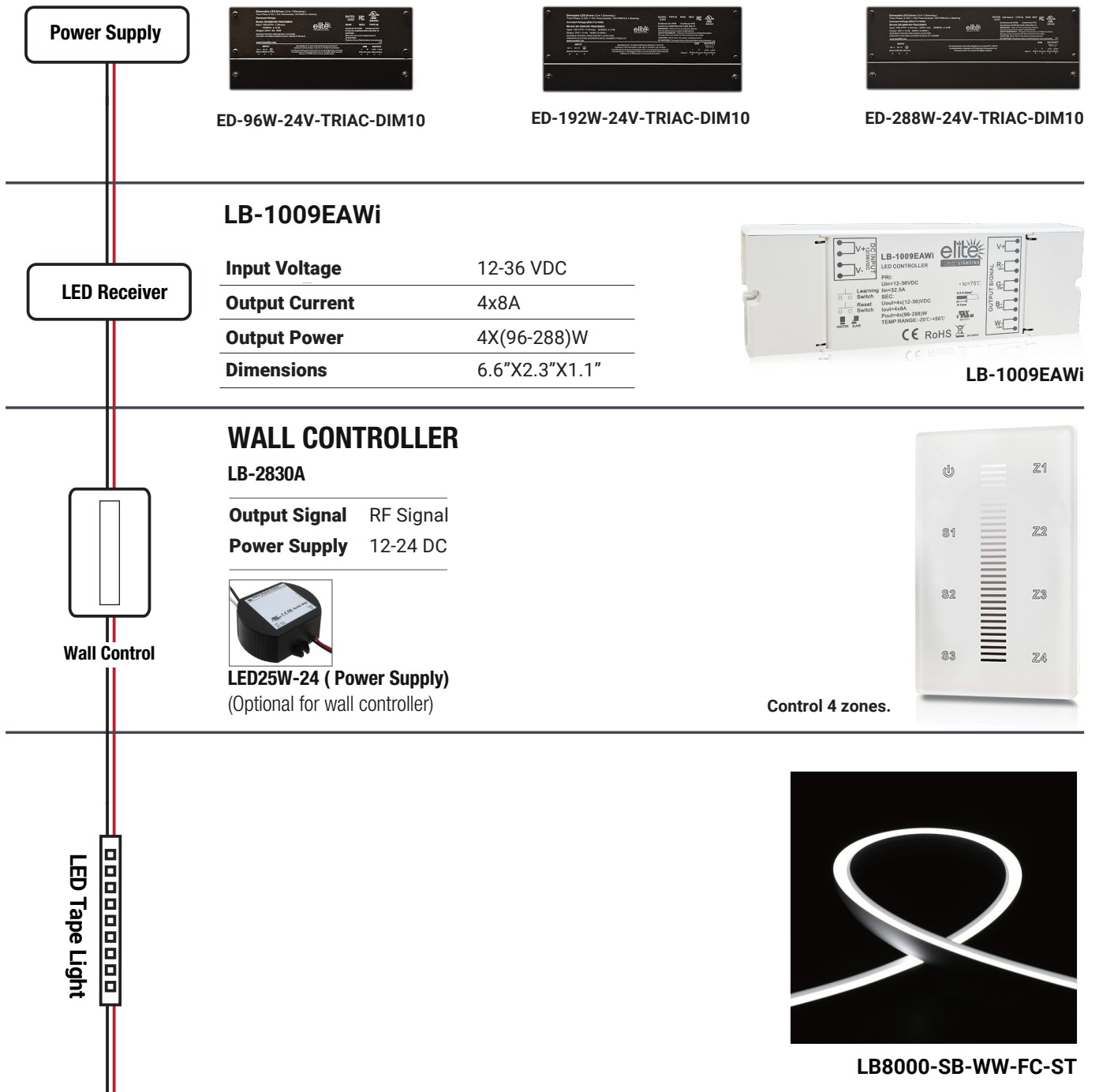
Driver – Powers the strip light.

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)

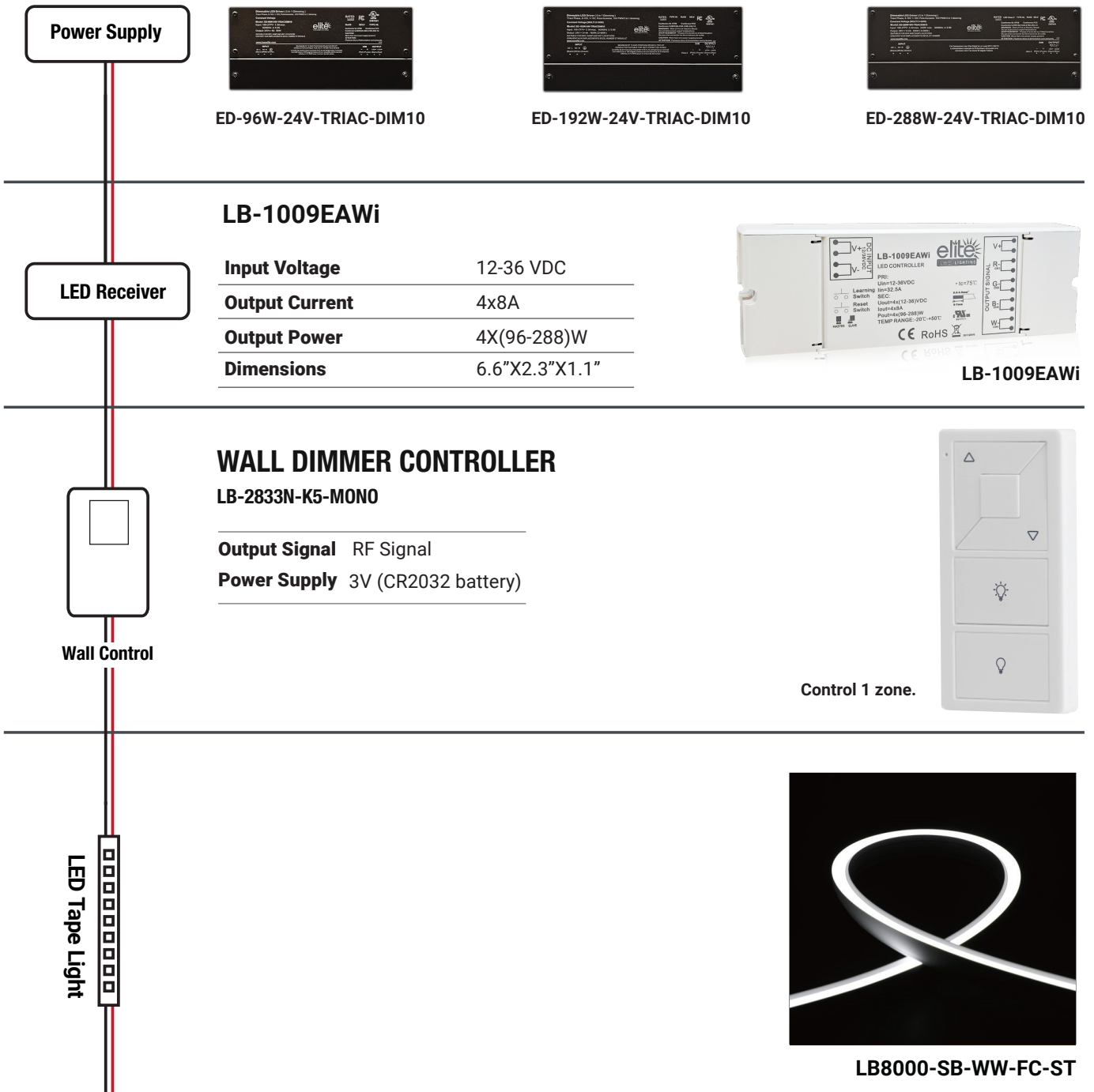
This solution enables the strip light to function with a wall dimmer controller (RF signal). It includes the following components:

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.

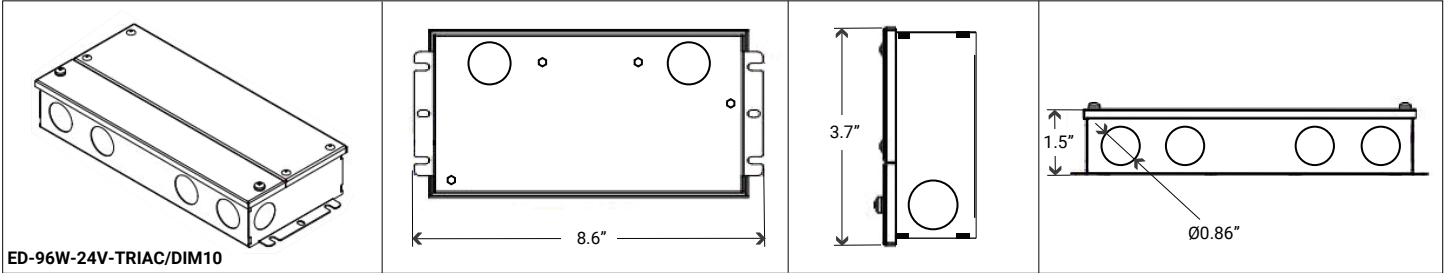


Triac-Phase Cut/Triac ELV/0-10V/1-10V PWM/Potentiometer (5 in 1) Dimmable

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 |

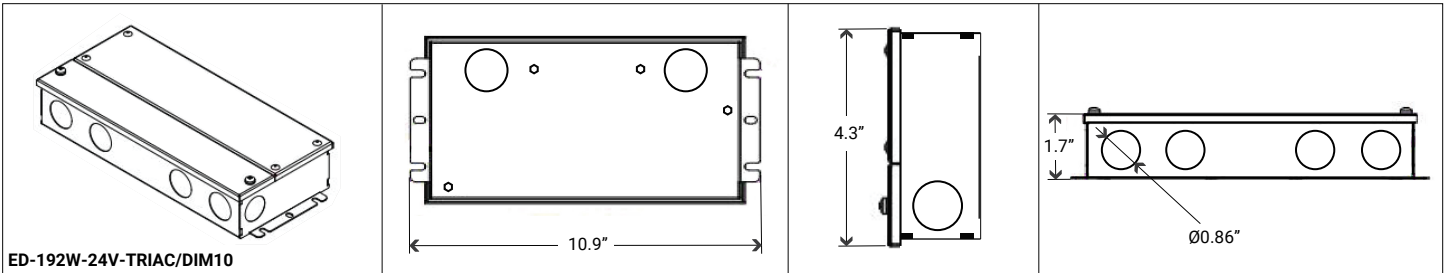
Dimensions



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 |

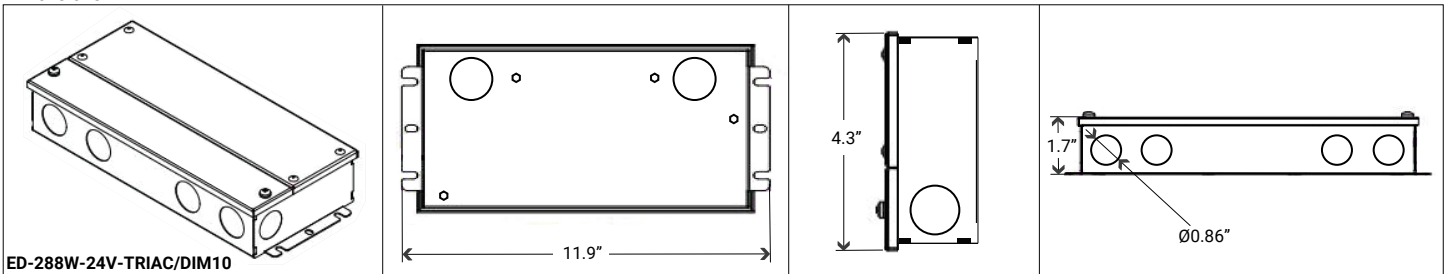
Dimensions



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

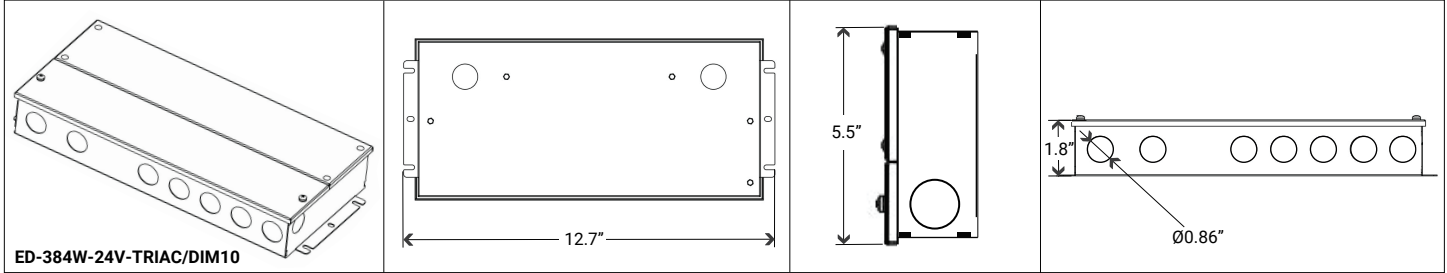


Triac-Phase Cut/Triac ELV/0-10V/1-10V PWM/Potentiometer (5 in 1) Dimmable

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, Class 2, RoHS |

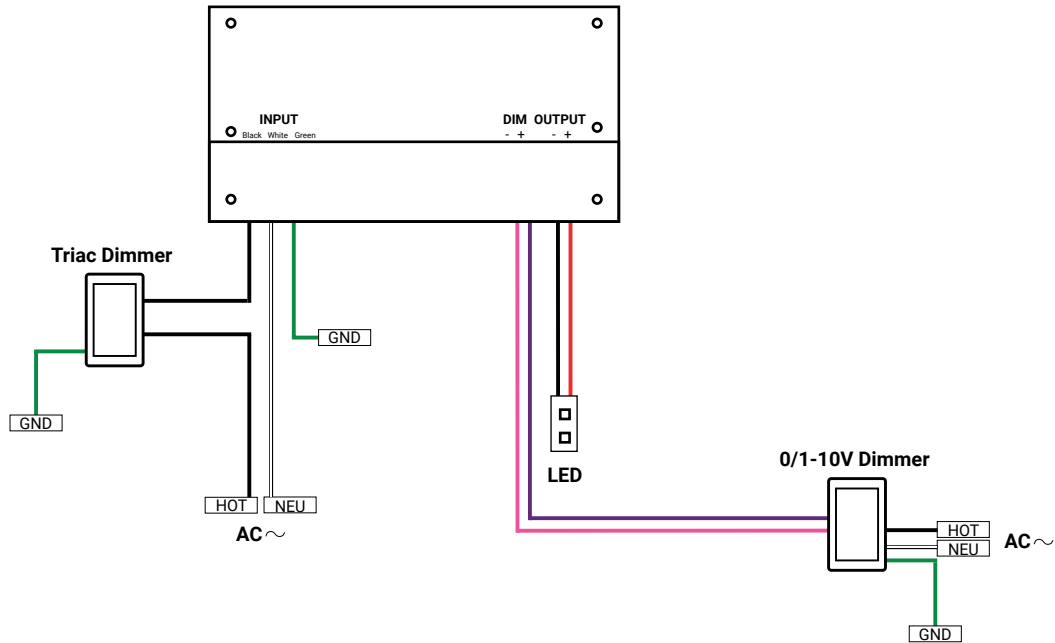
Dimensions



Dimming Operation and Wiring Diagram

TRIAC & 0/1 - 10V

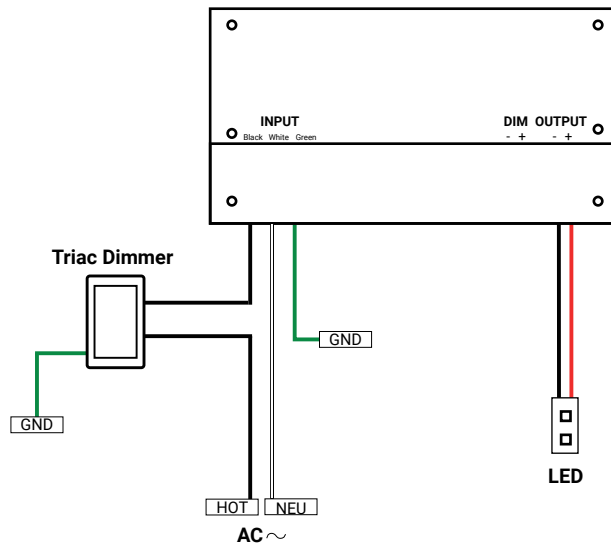
When using two dimming methods at the same time, make sure the LED light is set to maximum output first. The brightness can then be adjusted with the second dimming method.



Single Dimming Method: TRIAC/Phase-Cut Dimming

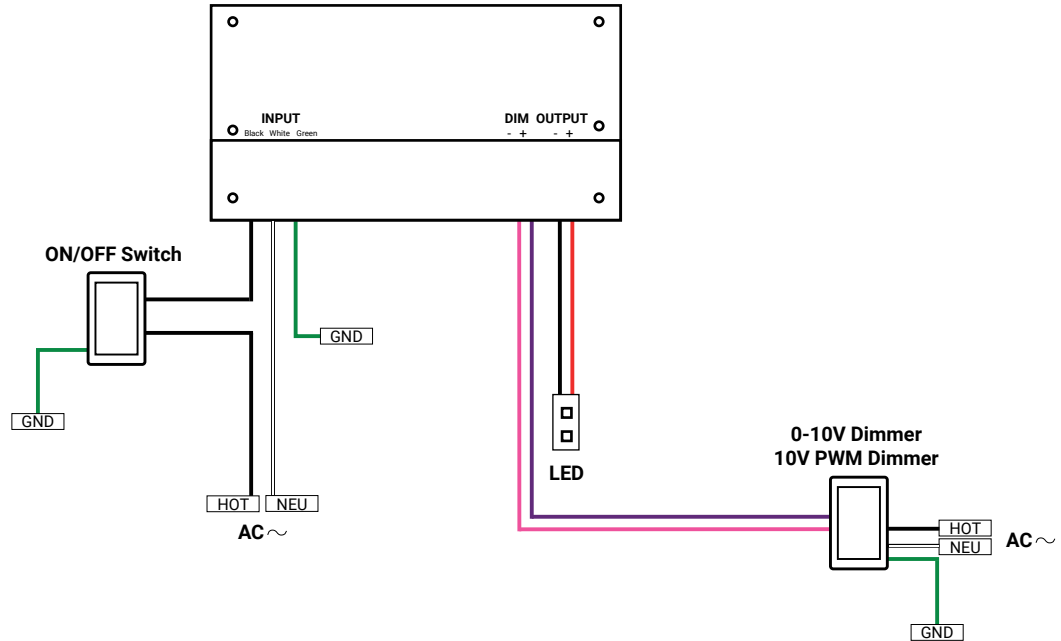
- 1-The Pulse-Width Modulation (PWM) of the output voltage can be adjusted through the input terminal of the AC phase line (L) by connecting a phase/TRIAC dimmer or lighting control system.
- 2-Works with forward-phase (MLV) and reverse-phase (ELV) TRIAC dimmers or lighting systems.
- 3-Minimum loading is approximately 10%.
- 4-Use dimmers with a power rating at least 1.5 times the output power of the driver.

TRIAC

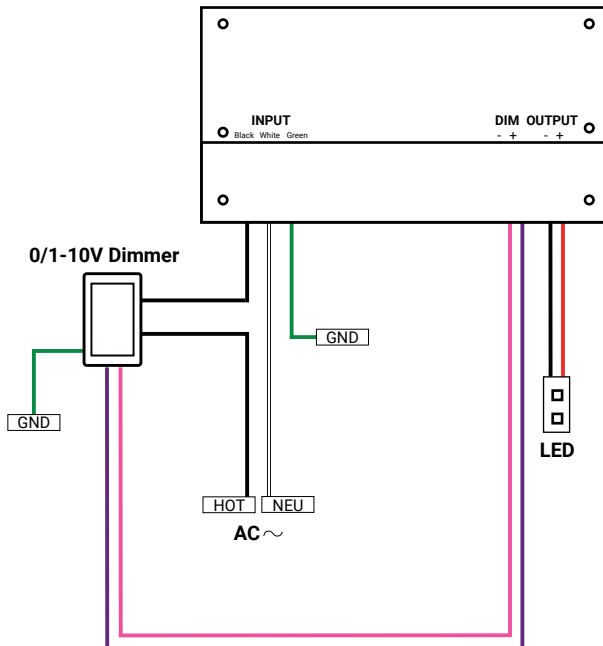


Using one Dimming Method: 0-10V / 1-10V / 10V PWM / Potentiometer Dimming

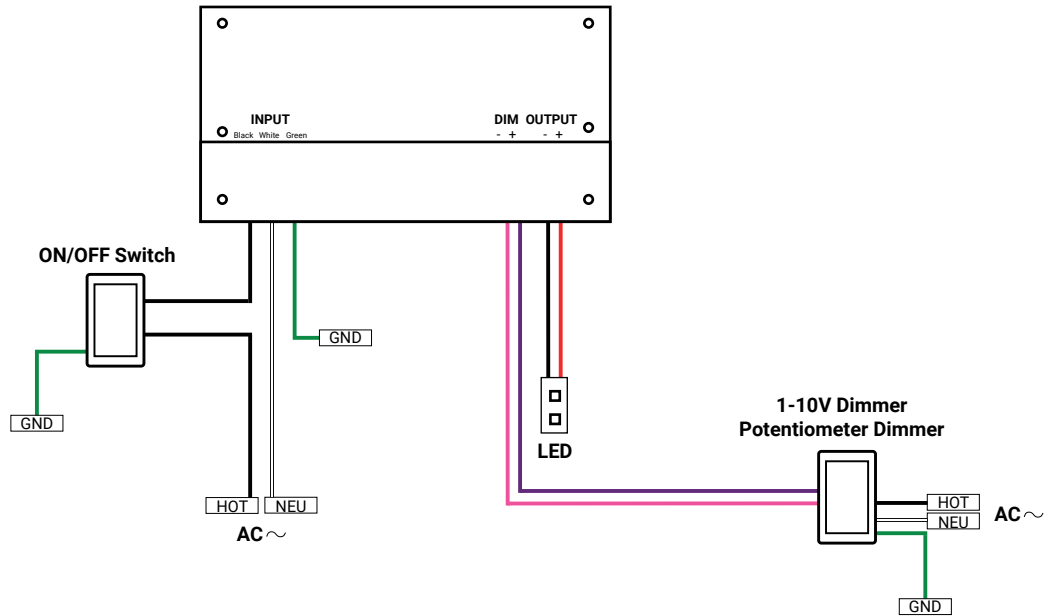
0-10V / 10V PWM



0/1 - 10V



1-10V / Potentiometer



WARNING

- This driver must be installed by a qualified professional.
- Provide adequate ventilation around the driver to ensure proper heat dissipation.
- Confirm all wiring connections are correct before testing to prevent damage to the light or power supply.
- If the driver is not operating correctly, do not attempt to repair it yourself.

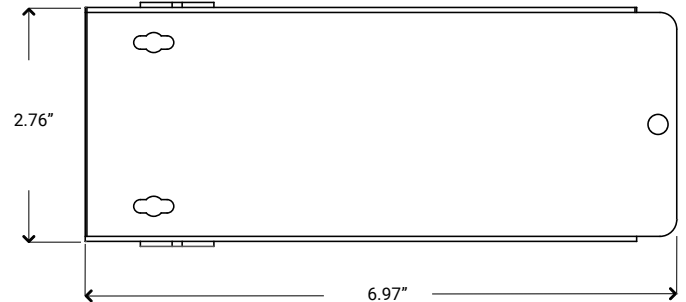
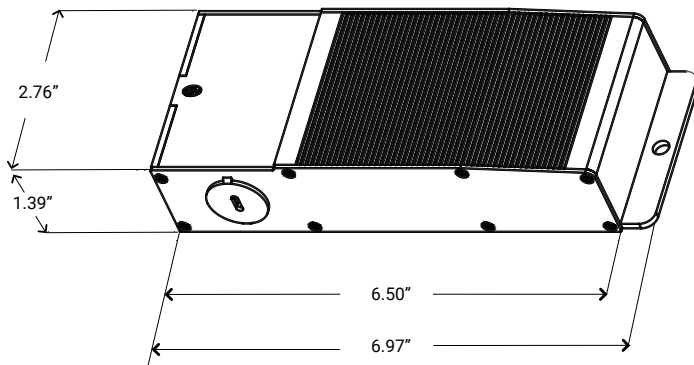
Constant Voltage TRIAC Dimmable Driver

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 |

DIMENSIONS

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

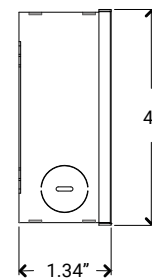
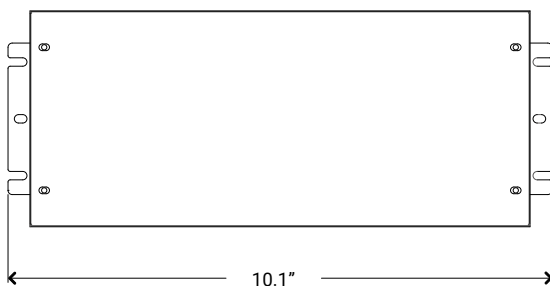


PN:HBL150-AW-24-DI

| 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 |

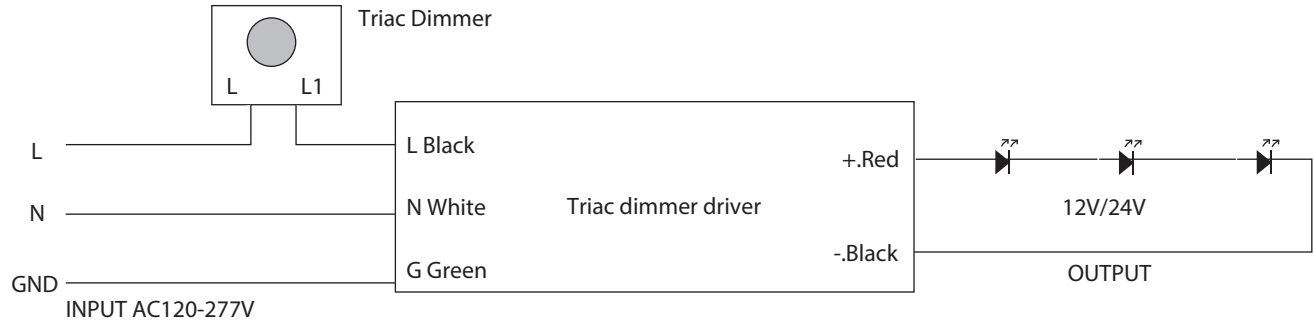
TRIAC Dimming for 120VAC / Non-Dimming for 277VAC

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