LB8000-SB-WW-FC-ST

Lumi-PRO/Side-Bend Wall-Washer Free-Cut Static White Flex Neon LED Strip Light

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.

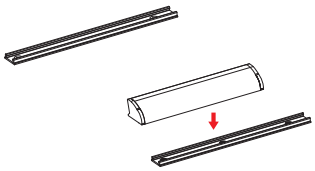
Rated IP67 and IK08, it is suitable for use in outdoor and wet locations, as well as for cove lighting and architectural accents.

- Max run up to 16.4 ft
- Outdoor/Wet Location (IP67) / Indoor (IP20 if cut in the 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).

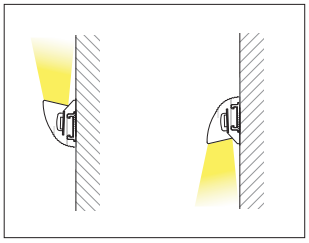
Color Temp.	4.3 W/ft		
2700K	195 lm/ft	4000K	215 lm/ft
3000K	200 lm/ft	5000K	210 lm/ft
3500K	210 lm/ft	6000K	210 lm/ft

MOUNTING TRACK

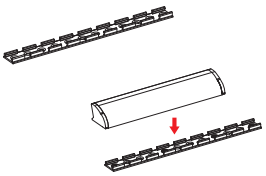
LB8000-SB-WW-AL-EXT



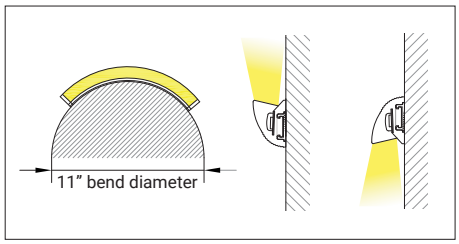
Aluminum Extrusion
3.2 ft Length



LB8000-SB-WW-BAT



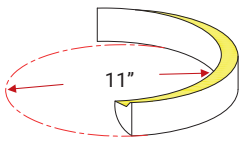
Bendable Aluminum Track
3.2 ft Length



TECHNICAL DETAILS

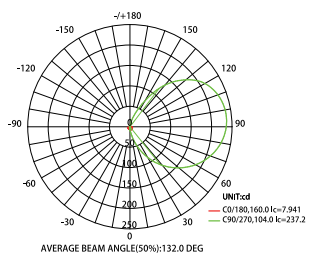
Power	4.3 W/ft
Voltage	24V
CRI	90+
LPW	50 lm/W
IP	IP67
LED Qty	36/ft
Max Run(ft)	16.4 ft
Dimensions	W 0.55" x H 0.79"
Working Temp.	-4°F to 113°F (-20°C to 45°C)

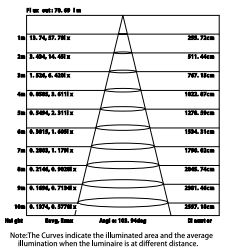
BEND DIAMETER



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.

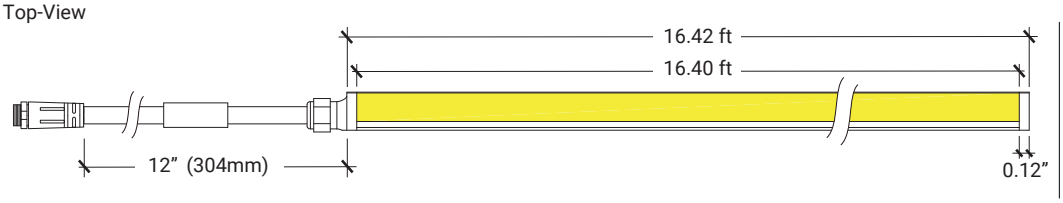
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



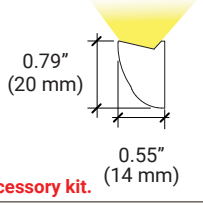


DIMENSIONS

Top-View



Sectional-View

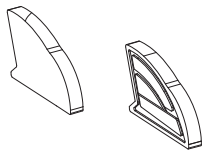


The tape light comes with a 12-inch standard length female barrel connector with anti-wicking attached to one side, along with an accessory kit.

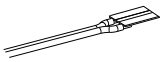
LB8000-SB-WW-FC-ST

Lumi-PRO/Side-Bend Wall-Washer Free-Cut Static White Flex Neon LED Strip Light

FIELD CUTTING INSTRUCTIONS

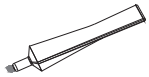


End Caps



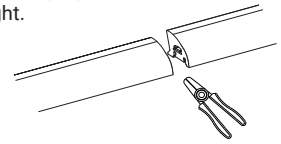
RCP-SB-WW-2P-WH

Rigid Conductive Power Plate with Integrated Power Cable

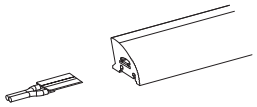


UV Glue
Not Included

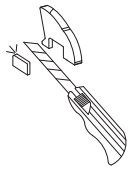
1- Cut the LED strip light to the desired length. Ensure the cutting surface is perpendicular to the strip light.



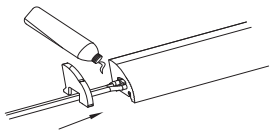
2- Insert the rigid conductive power plate into the gap between the PCBA and the jacket, ensuring correct polarity.



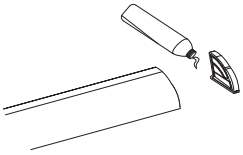
3- Open the reserved gap in the tail end cap.



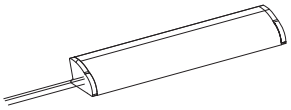
4- Fill the front end cap with UV glue, then install it onto the neon strip.



4- Fill the tail end cap with UV glue, then install it onto the end of the neon strip.



5- Allow sufficient time for the glue to fully cure before use.

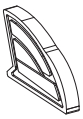


ACCESSORIES

LB8000-SB-WW-FEC
2 Included

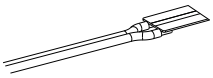
Front-end cap

LB8000-SB-WW-TEC
2 Included



Tail-end cap

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



Rigid conductive power plate with integrated 72-inch power cable. The wires are not enclosed in a jacketed cable and are exposed.

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** - 16.4 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 lenght **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

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

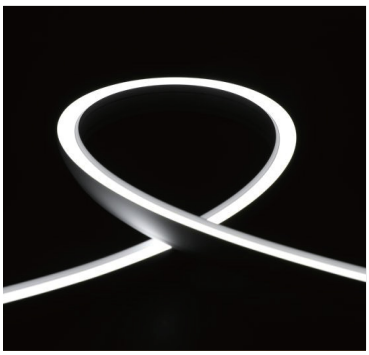
LB-2830A

Output Signal	RF Signal
Power Supply	12-24 DC

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

Control 4 zones.

LED Tape Light



LB8000-SB-WW-FC-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

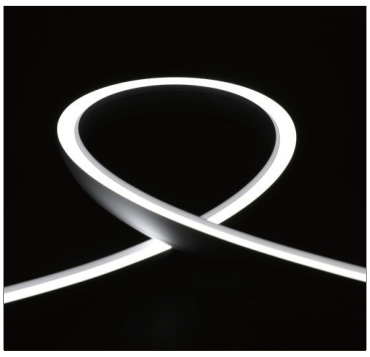
WALL DIMMER CONTROLLER

LB-2833N-K5-MONO

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

Control 1 zone.

LED Tape Light



LB8000-SB-WW-FC-ST

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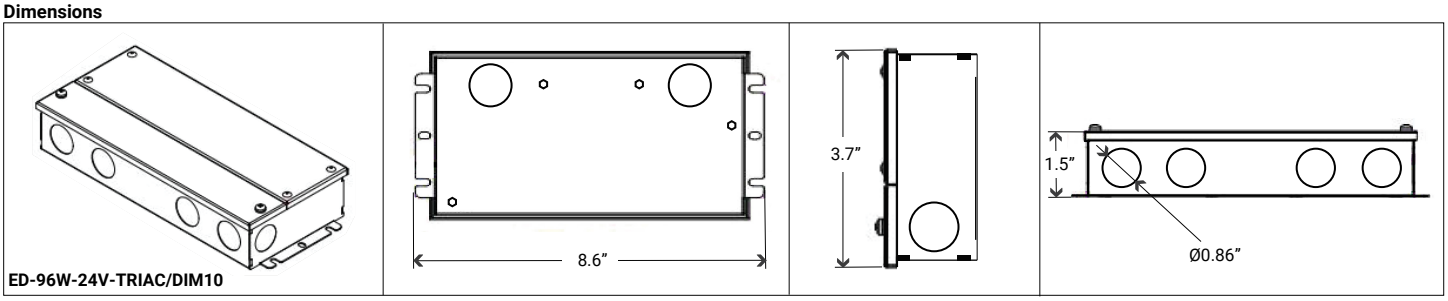
Triac-Phase Cut/Triac ELV/0-10V/1-10V PWM/Potentiometer (5 in 1) Dimmable

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

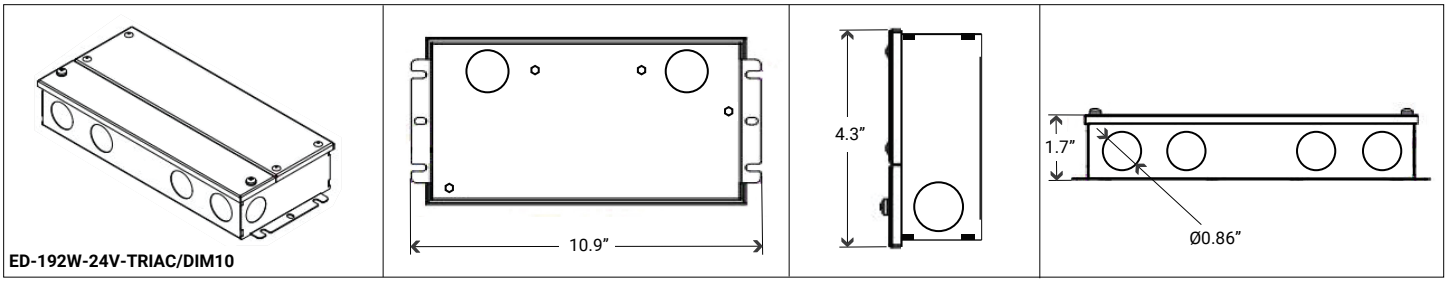
Dimensions



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

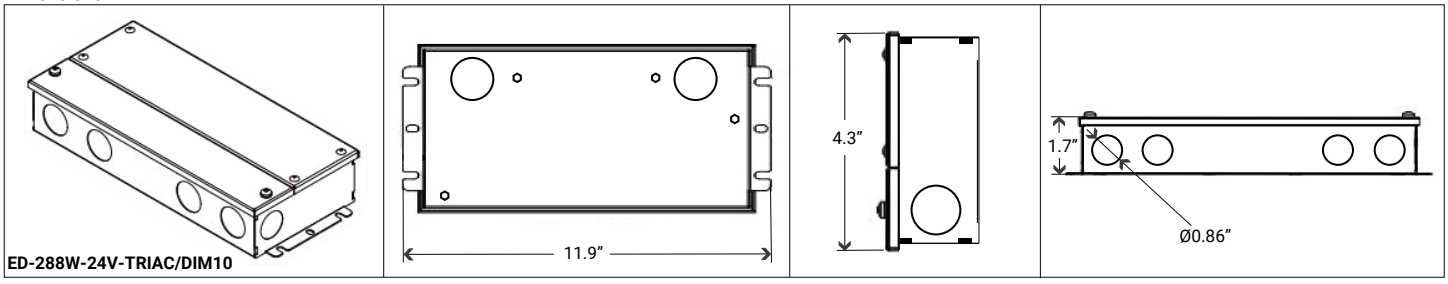
Dimensions



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

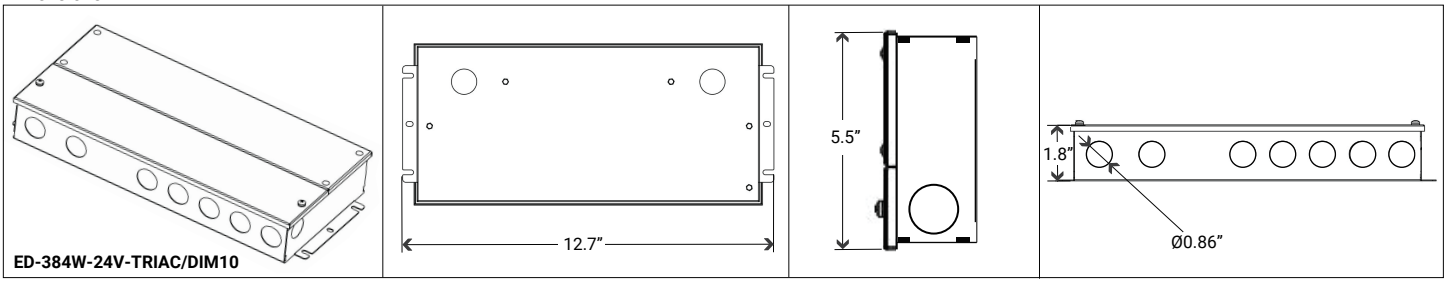


Triac-Phase Cut/Triac ELV/0-10V/1-10V PWM/Potentiometer (5 in 1) Dimmable

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

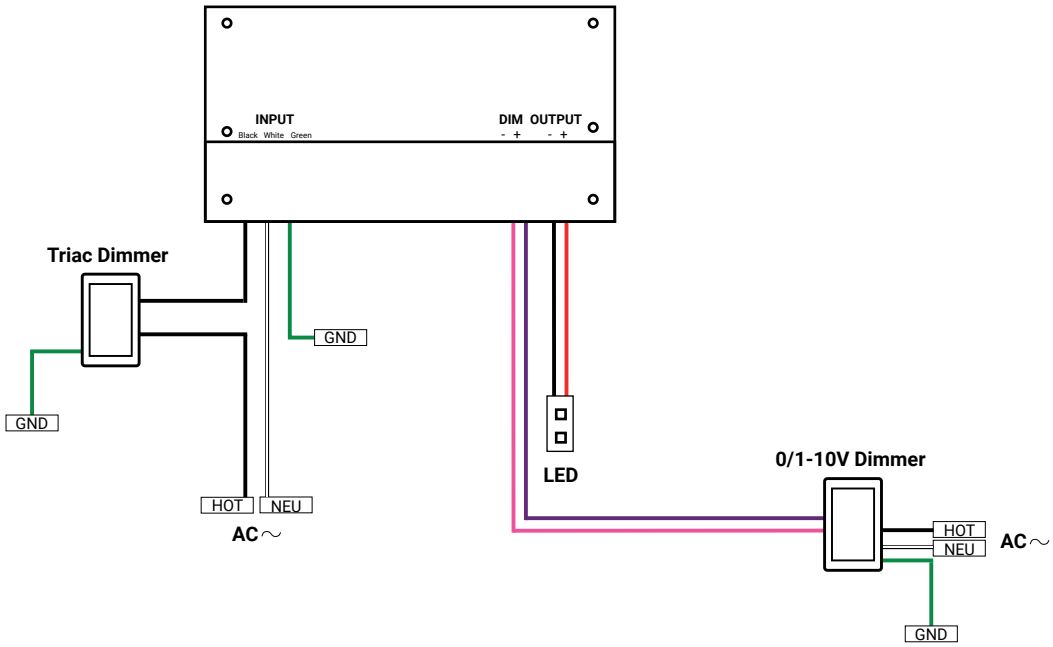


Due to the changes of constant improvement in LED technology, all details are subject to change **without notice**. Consult factory for **up to date information**.

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 outpufirst. The brightness can then be adjusted with the second dimming method.



Single Dimming Method: TRIAC/Phase-Cut Dimming

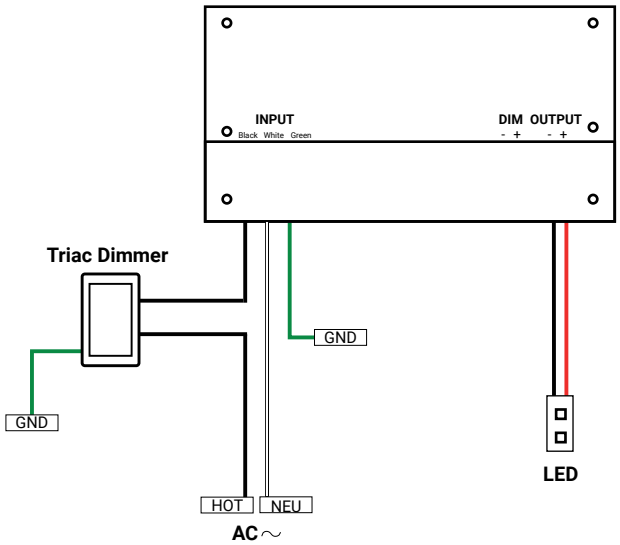
1-The Pulse-Width Modulation (PWM) of the output voltage can be adjusted through the input terminal of the AC phase line (L) by connecting a phase/TRIAC dimmer or lighting control system.

2-Works with forward-phase (MLV) and reverse-phase (ELV) TRIAC dimmers or lighting systems.

3-Minimum loading is approximately 10%.

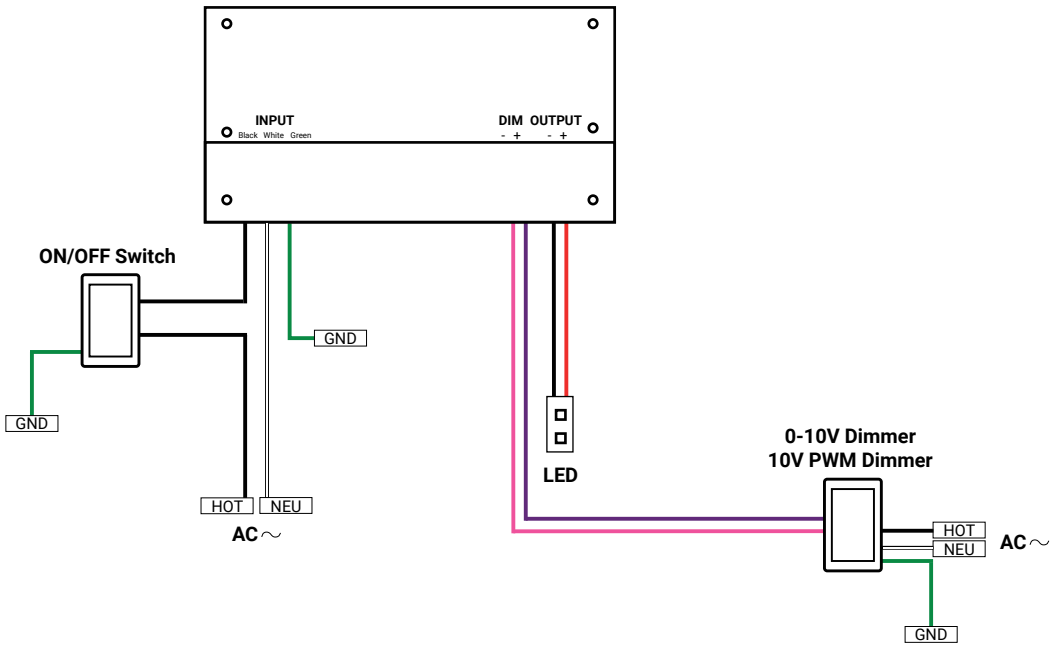
4-Use dimmers with a power rating at least 1.5 times the output power of the driver.

TRIAC

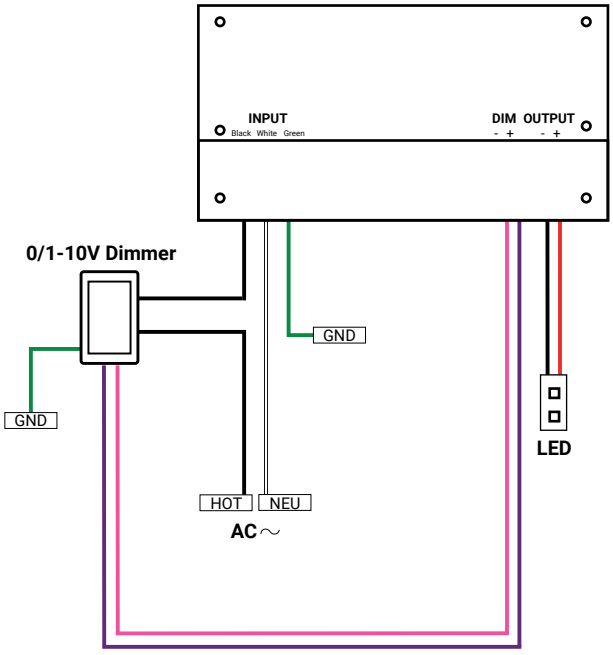


Using one Dimming Method: 0–10V / 1–10V / 10V PWM / Potentiometer Dimming

0-10V / 10V PWM



0/1 - 10V



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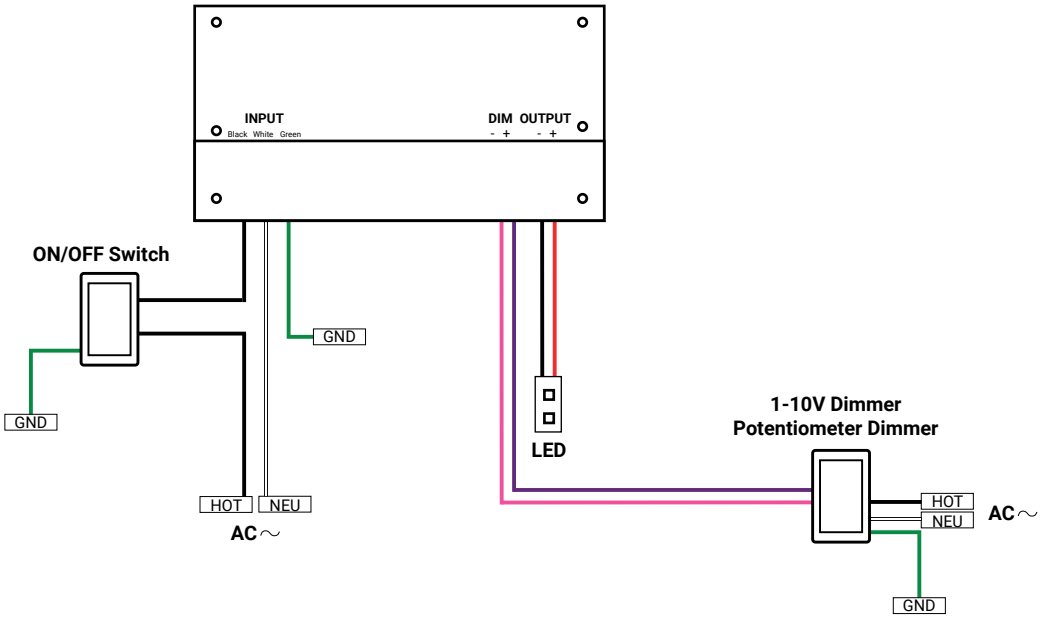
1-10V / Potentiometer



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.

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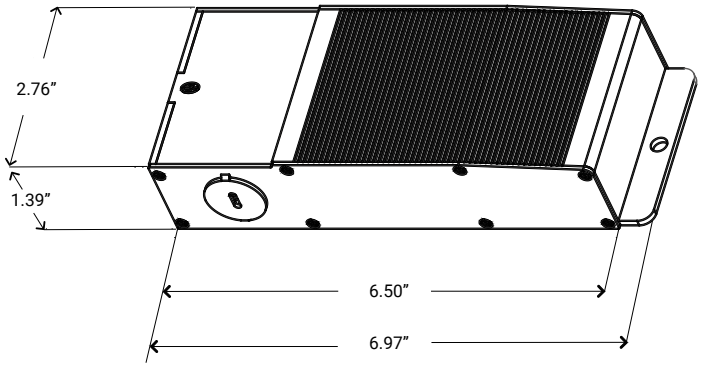
Constant Voltage TRIAC Dimmable Driver

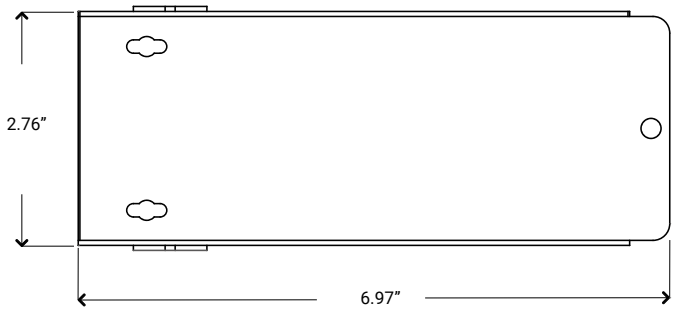
PN:HBL096-AW-24-DA

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



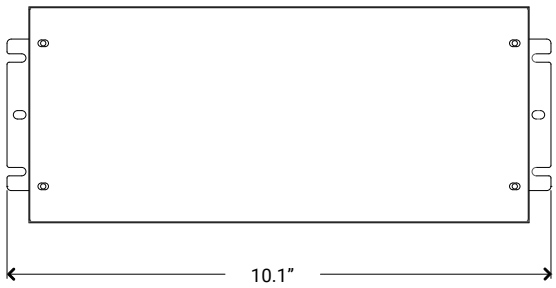


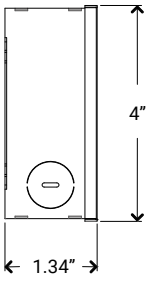
PN:HBL150-AW-24-DI

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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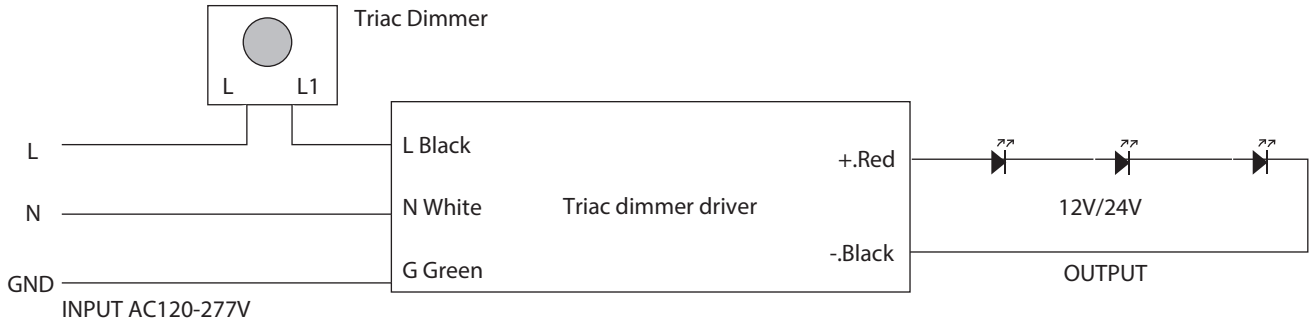
Constant Voltage TRIAC Dimmable Driver

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