LB-7000G-WW

Lumi-PRO/Dual-Bend Wall-Washer LED Strip Light

FEATURES

The LB-7000G-WW LED Wall Washer Strip Light offers dual-bend flexibility, making it ideal for illuminating flat, curved, and complex surfaces. It is available in beam angles of 10°, 15°, 20°, 25°×50°, and 45°×30°, as well as CCT options of 3000K, 3500K, and 4000K.

Crafted with precision and advanced optics, this luminaire delivers a focused, intense beam of light that provides exceptional uniformity and control. Its engineered beam ensures precise light distribution, maximizing visual impact while minimizing light spill—ideal for creating captivating displays and immersive environments.

Applications include outdoor and wet locations, cove lighting, architectural accents, handrails, and wet bars.

- Max Run up to 16 ft
- Outdoor, Wet Location (IP67)
- LED's/ft 7
- Optics / 10°, 15°, 20°, 25°x50°, 45°x30°
- Top Bend and Side Bend
- CRI 90+
- Warranty / 5-year warranty for parts and components (labor not included).

Color Temp.	7.6 W/ft	lm/W
3000K	650 lm/ft	90 lm/W
3500K	650 lm/ft	90 lm/W
4000K	690 lm/ft	90 lm/W

MOUNTING TRACKS & WIRING ACCESSORIES (The tape light comes with a 12-inch standard length female barrel connector, with an anti-wicking ferrule attached to one side)

ACC-CH-LB7000G-AL

Aluminum Channel / 4ft
Includes 2 rotatable brackets

ACC-RBR-LB7000G-AL

Rotatable Bracket

ACC-BR-LB7000G-AL

Aluminum Bracket

WL-BCF-2P-WHT-G

Female Barrel Connector with Anti-Wicking ferrule 12" Length

WL-BCM-2P-WHT-G
1 Piece included

Male Barrel Connector 72" Length

LB-7000G-WW-EC
Silicone end cap

LB-7000G-WW-EC-PF
Silicone power bottom-feed end cap

LB-7000G-WW-EC-TF
Silicone power tail-feed end cap

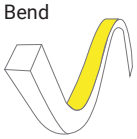
TECHNICAL DETAILS

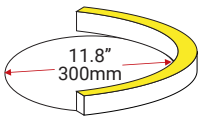
Power	7.6 W/ft
Voltage	24V
CRI	90+
IP	IP67
LED Qty	7/ft
Max Run(ft)	16 ft
Cutting Length	Every 9.84" (field-cuttable)
Dimensions	W1.18 x H0.91"
Working Temp.	-20 to 45°C (-4 to 113°F)

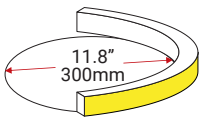
BENDING DIAMETER

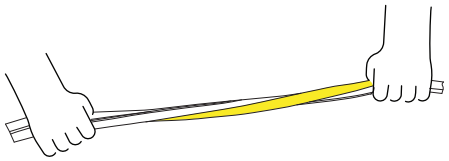
Side Bend

Top Bend





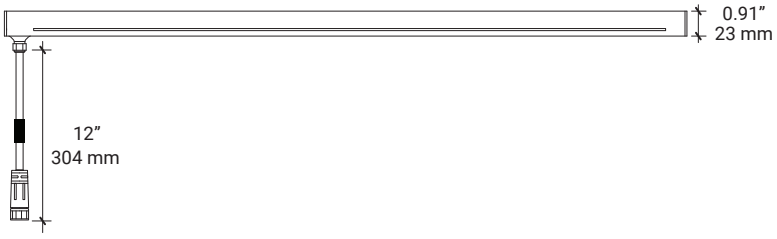




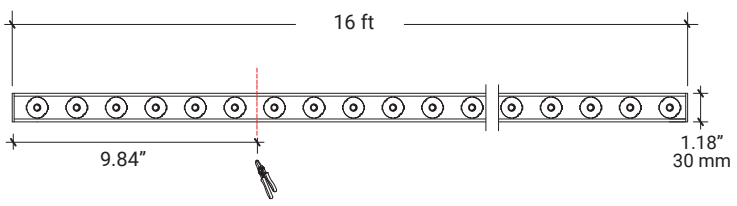
Minimum twist angle is 90° per 39.4" (1000mm)

DIMENSIONS

Side View



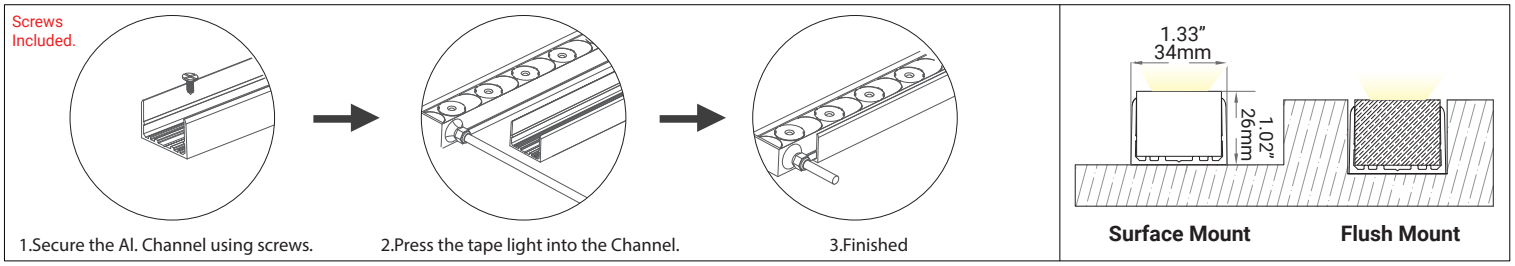
Top View



Cutting length: every 9.84" (6 LEDs per cut).

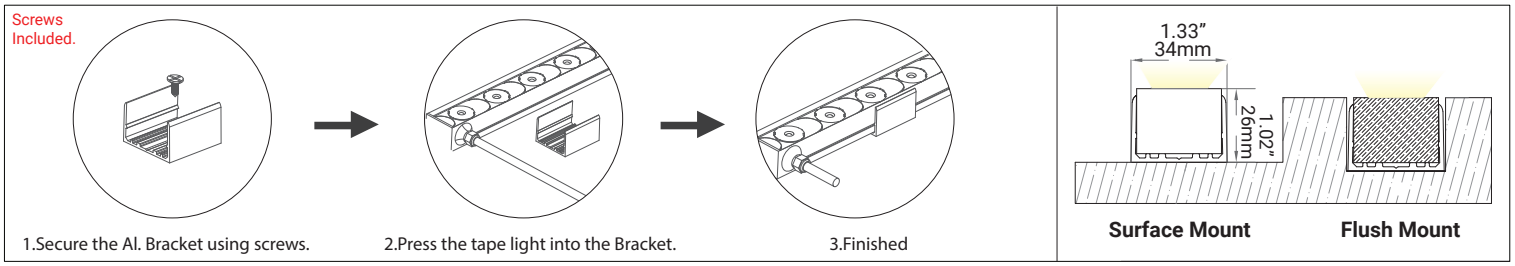
Due to the constant improvement in LED technology, all details are subject to change without notice. Consult factory for up-to-date information. 01/19/25

Aluminum Channel / ACC-CH-LB7000G-AL
Includes 2 rotatable brackets.

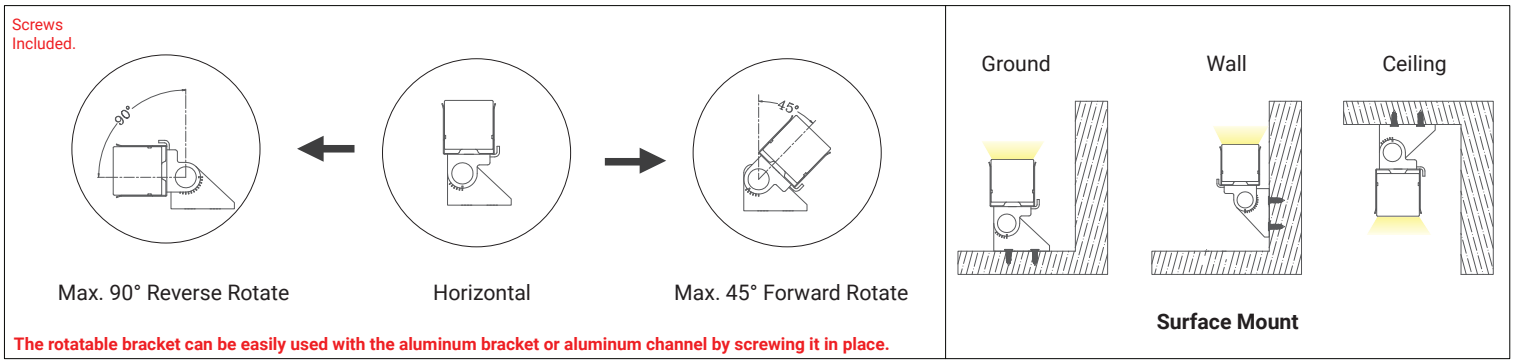


Screws Included

Aluminum Bracket / ACC-BR-LB7000G-AL



Rotatable Bracket / ACC-RBR-LB7000G-AL



The rotatable bracket can be easily used with the aluminum bracket or aluminum channel by screwing it in place.

ORDERING SELECTION

Example: LB-7000G-WW-7.6W-16F-30K-10D-24V

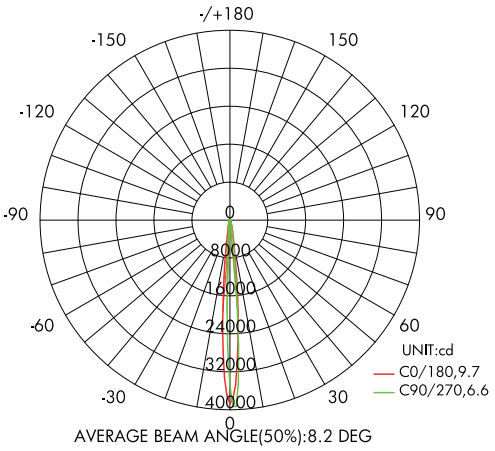
LB-7000G-WW						
SERIES	**WATTAGE**	**LENGTH**	**CCT**	**OPTICS**	**VOLTAGE**	**ACCESSORIES**
LB-7000G-WW	**7.6W** - 7.6W/ft	**16F** - 16 ft/Roll **CUS_** - Custom [1] (Cutting length every 9.84")	**30K** - 3000K **35K** - 3500K **40K** - 4000K	**10D** - 10° **15D** - 15° **20D** - 20° **25D** - 25°x50° **45D** - 45°x30°	**24V** - 24V	**ACC-CH-LB7000G-AL** - Aluminum Channel 4ft length **ACC-RBR-LB7000G-AL** - Rotatable Aluminum Bracket **ACC-BR-LB7000G-AL** - Aluminum Bracket **WL-BCF-2P-WHT-G** - Female Barrel Connector **WL-BCM-2P-WHT-G** - Male Barrel Connector **LB-7000G-WW-EC** - Silicone end cap **LB-7000G-WW-EC-PF** - Silicone power bottom-feed end cap **LB-7000G-WW-EC-TF** - Silicone power tail-feed end cap **KIT-ACC-LB7000G-WW** - Accessory Kit **(INCLUDED)** 1 Male Barrel Connector

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

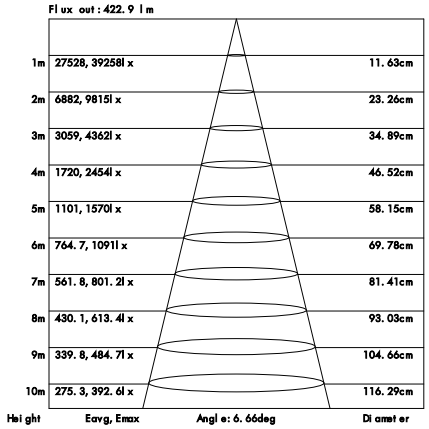
1.When cutting in the field, wiring accessories must be sealed with UV glue and cured using UV light to achieve an IP65 rating. For optimal results, we recommend customizing the lengths at the factory, as cutting the tape light in the field may damage the IP67-rated protection.

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

Light Distribution

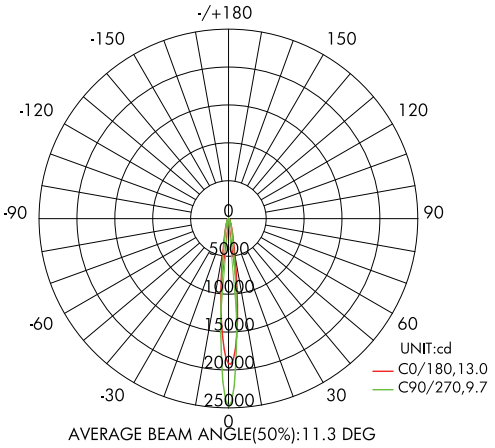


AVERAGE BEAM ANGLE(50%):8.2 DEG

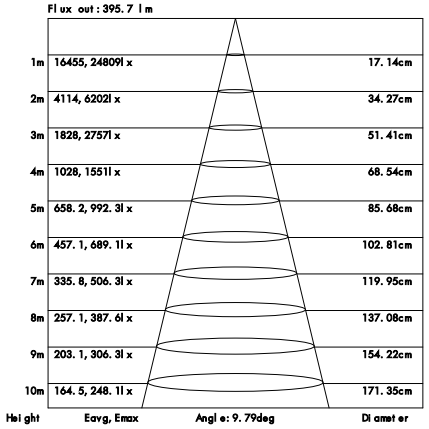


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

4000K, 10°

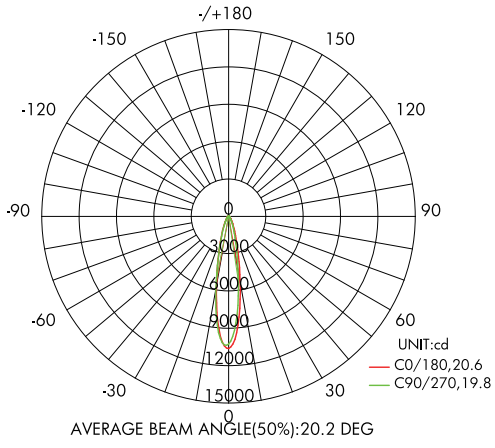


AVERAGE BEAM ANGLE(50%):11.3 DEG

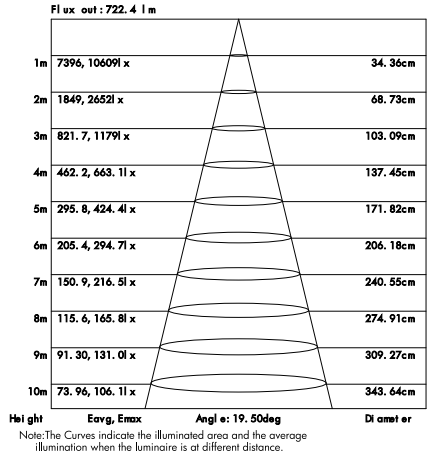


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

4000K, 15°



AVERAGE BEAM ANGLE(50%):20.2 DEG



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

4000K, 20°

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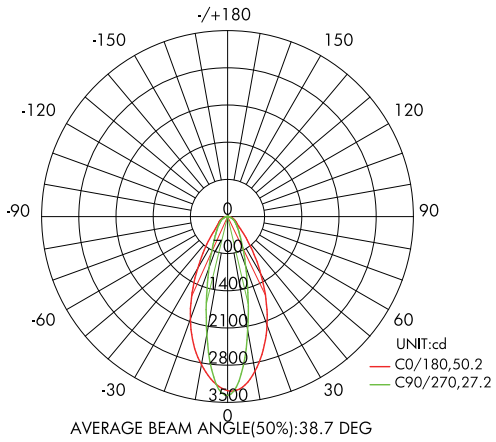
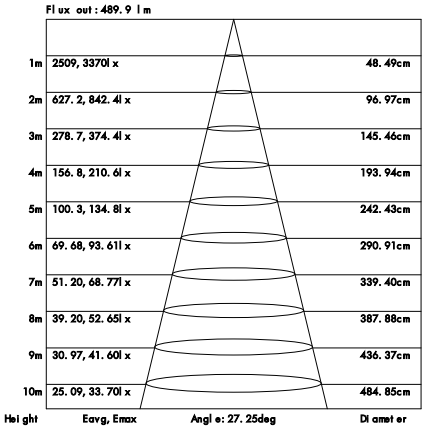
Light Distribution

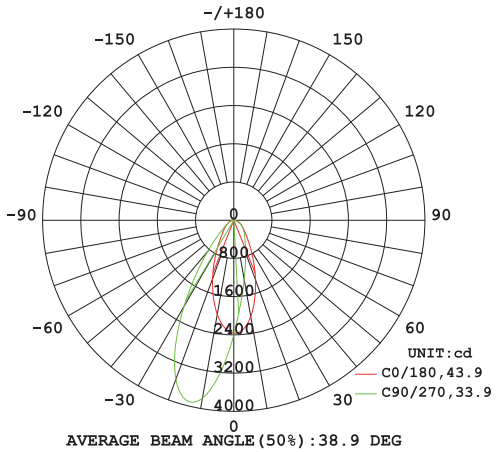


AVERAGE BEAM ANGLE(50%):38.7 DEG

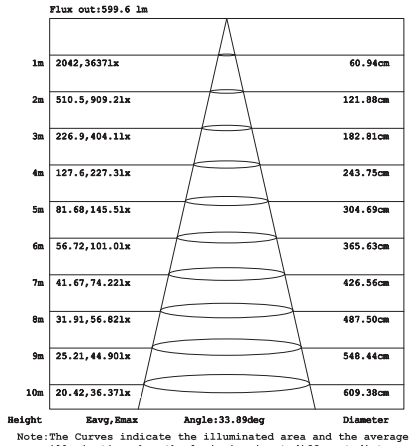


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

4000K, 25°x50°



AVERAGE BEAM ANGLE(50%):38.9 DEG



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

4000K, 45°x30°

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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-192W-24V-TRIAC-DIM10

ED-288W-24V-TRIAC-DIM10

ED-384W-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

LB-7000G-WW

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

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

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

LB-7000G-WW

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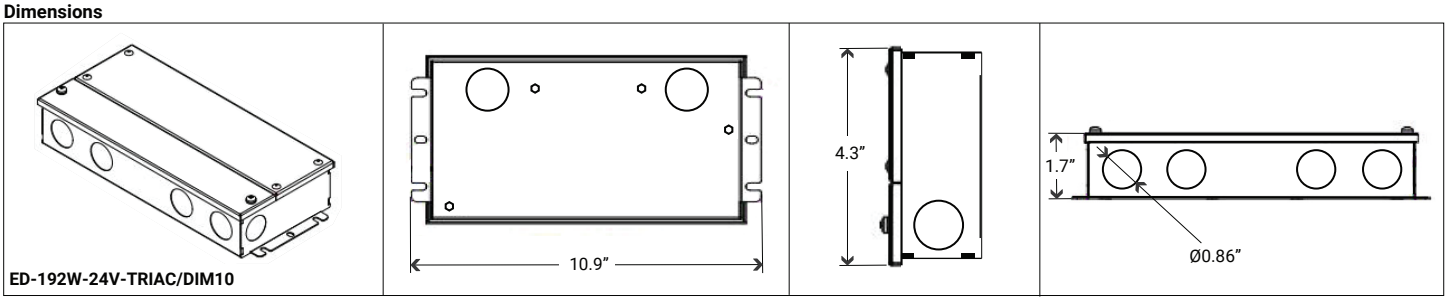
Triac-Phase Cut/Triac ELV/0-10V/1-10V PWM/Potentiometer (5 in 1) Dimmable

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

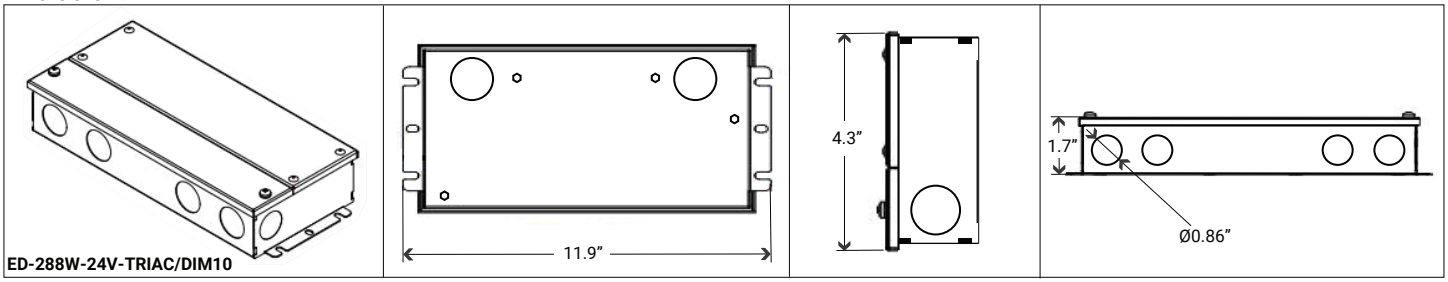
Dimensions



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

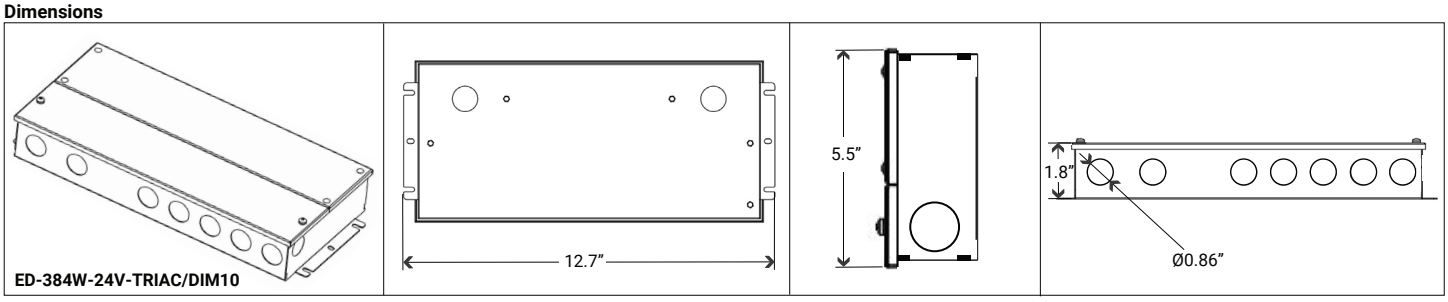
Dimensions



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



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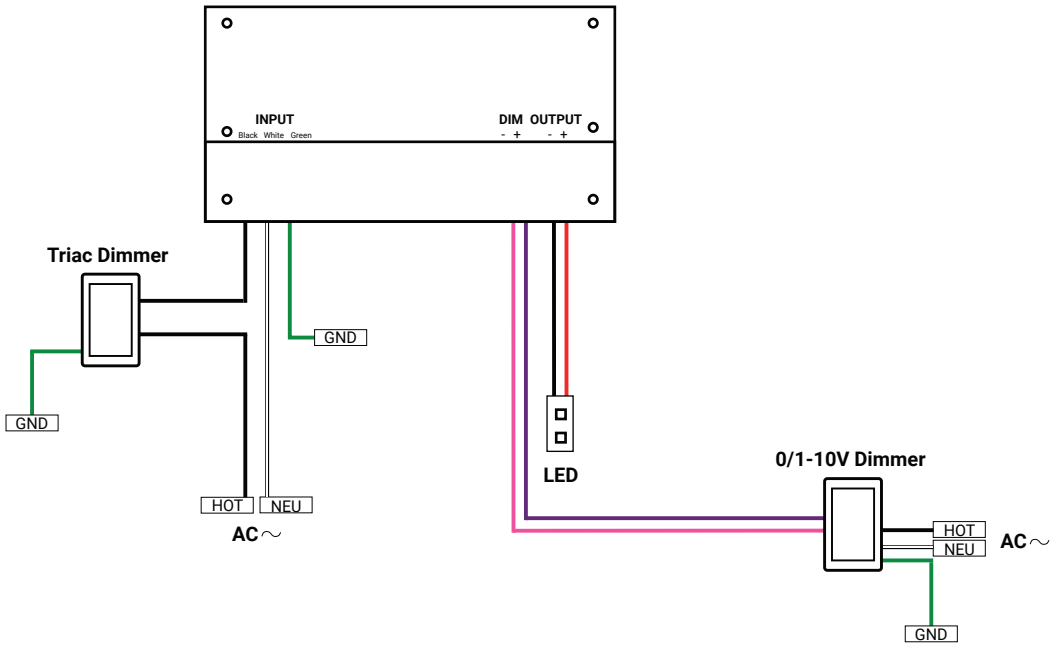
Dimming Operation and Wiring Diagram

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

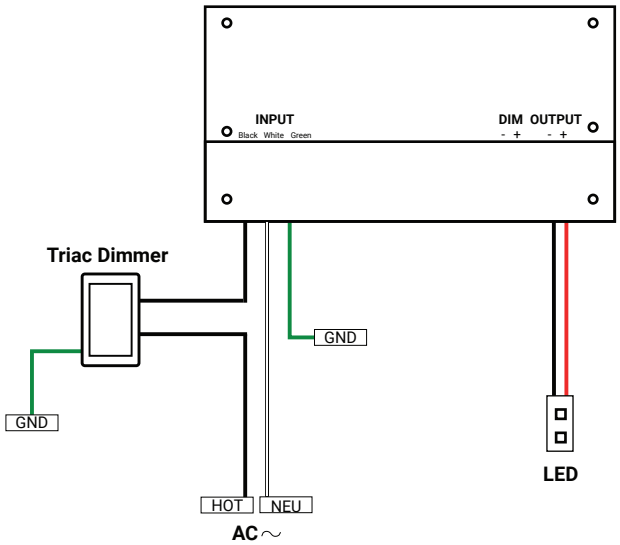
1-The Pulse-Width Modulation (PWM) of the output voltage can be adjusted through the input terminal of the AC phase line (L) by connecting a phase/TRIAC dimmer or lighting control system.

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



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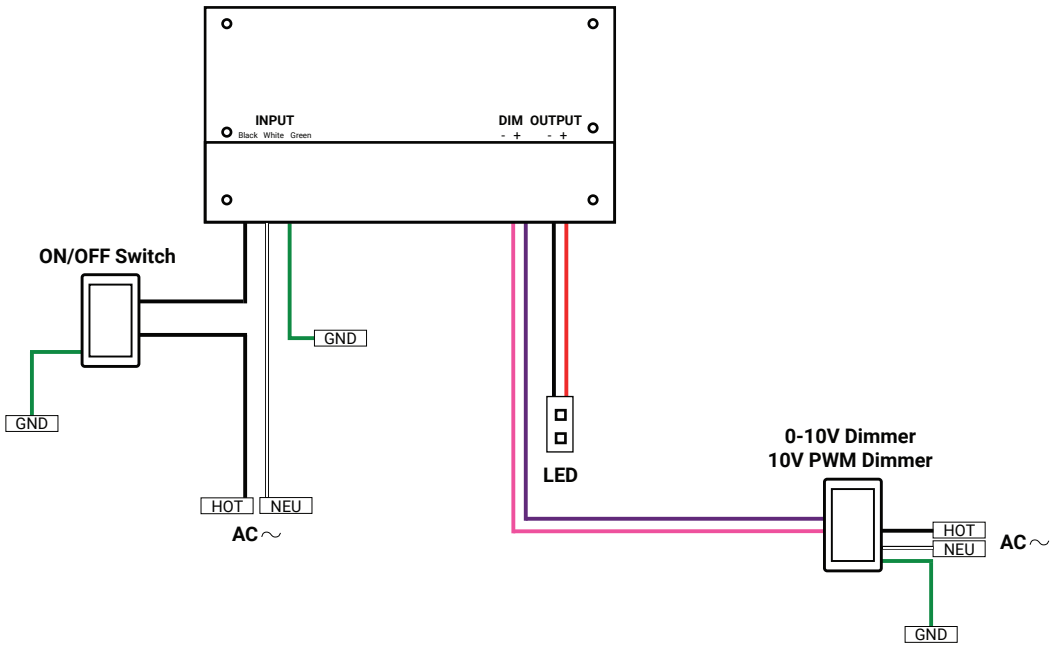
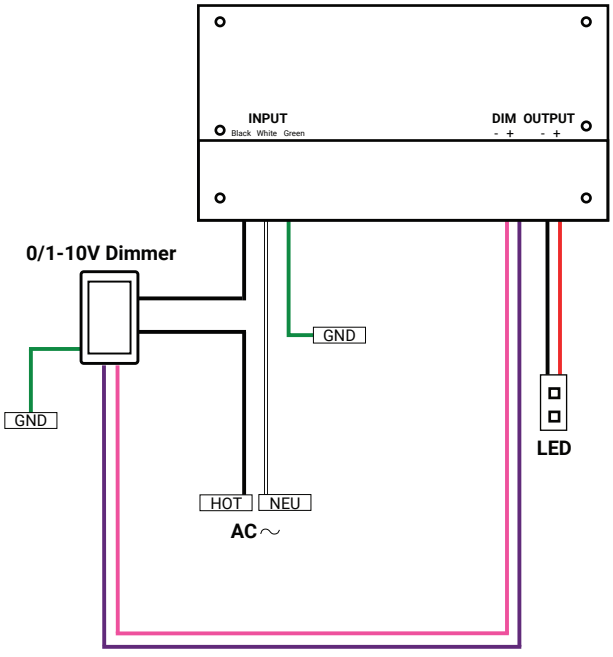
Using one Dimming Method: 0–10V / 1–10V / 10V PWM / Potentiometer Dimming

0-10V / 10V PWM



0/1 - 10V



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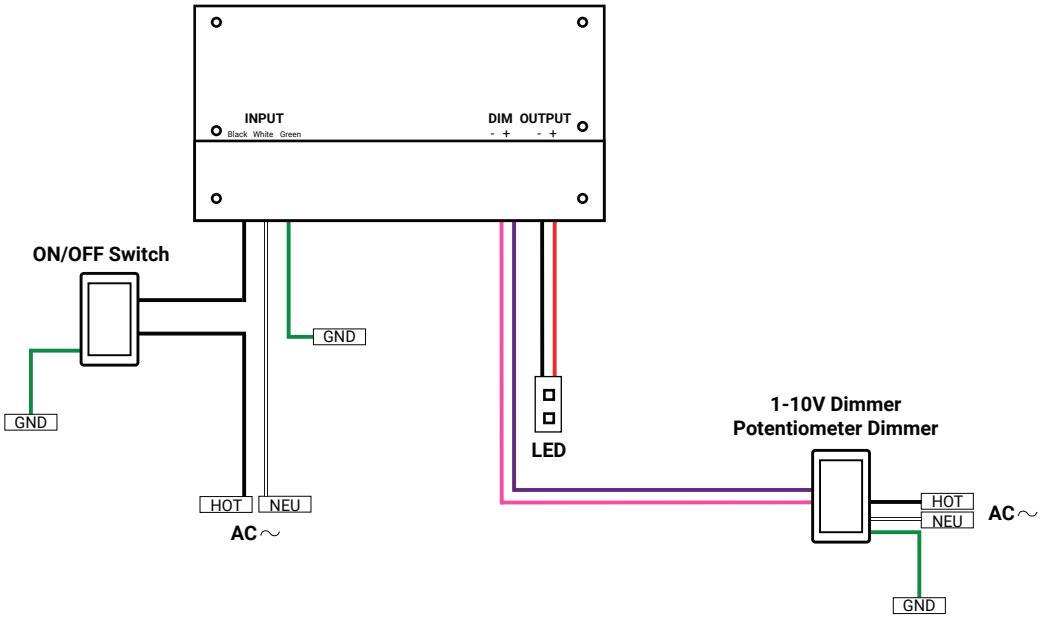
1-10V / Potentiometer



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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LB-2830A RF Single Color Controller

- Ultra-sensitive, durable 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 warranty for parts and components (labor not included).

LB-2833N-K5-MONO Single Color Dimmer

RF wireless Single Color Remote can control 1 receiver zone. 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 warranty for parts and components (labor not included).

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

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 over 32,000 changing colors.

Thanks to the built-in WiFi to RF module, a significant advantage of this WiFi controller is its direct compatibility with RF remotes and apps on iOS and Android systems, 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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