LB7000 Series
30°/60°/25°45° Optic Options
Width 0.83" / 21mm
12 LEDs/FT
IP67

PC Clips and male DC connector included. 25 PC Clips per roll.

FEATURES

The **LB7000 Lumi-PRO Strip Light** is an extremely **easy-to-operate**, optic lighting solution designed for both indoor and outdoor applications. It offers different optic options of **30°, 60°** and **25°45°**, with a range of color temperatures of **3000K, 4000K, 5000K and 6000K,** providing flexibility to create the desired ambiance and lighting effects in various **indoor and outdoor spaces**.

The **LB7000 Lumi-PRO Strip Light** is designed for **easy installation**, allowing seamless integration into various indoor settings. It can be mounted on **different surfaces**, such as **walls, ceilings, or furniture**, using adhesive backing or mounting brackets.

Max run up to 16.4ft
Indoor/Wet Location (IP67)
30°/60°/25°45° Optic Options
Field cuttable every 1.97"
Warranty: 5 years for **indoor** and 3 years for **outdoor** limited warranty
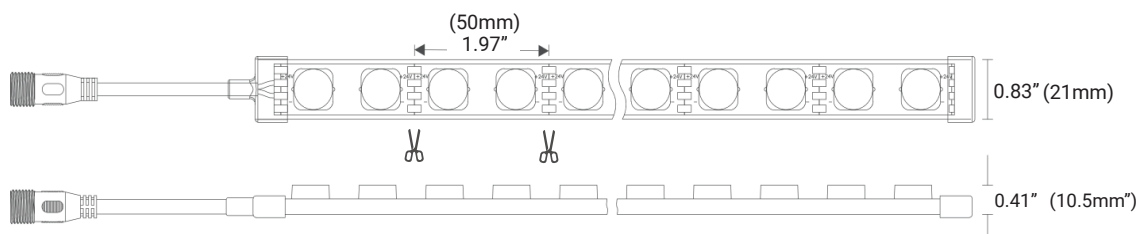
Color Temp.	4.4W/ft
3000K	505 lm/ft
4000K	560 lm/ft
5000K	550 lm/ft
6000K	550 lm/ft

TECHNICAL DETAILS

Power	4.4W/ft
Voltage	24V
CRI	80+
LPW	90L/W
LED Qty	12/ft
Max Run(ft)	20ft
Cutting Length	1.97"
Dimensions	W0.83" X H0.41"
Working Temp.	-4F / +122F

Experience **unparalleled** performance with our precision-engineered, high-quality **Lumi-PRO LB7000 Outdoor LED Strip Light,** meticulously designed to meet the demands of the **most challenging applications.**

DIMENSIONS

(50mm)
1.97"

0.83" (21mm)

0.41" (10.5mm")

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**.
03/14/24

ORDERING SELECTION

Example: LB7000-4.4W-16F-60K-30D-24V

LB7000						
SERIES	**WATTAGE**	**LENGTH**	**CCT**	**OPTICS**	**VOLTAGE**	**CONTROLLERS**
LB7000	**4.4W -** 4.4W/ft	**16F** -16ft / Roll	**30K** - 3000K	**30D** - 30°	**24V** - 24V	**LB-2830A** - RF single color controller
			40K - 4000K	**60D** - 60°		**LB-2833-K5-MONO** - RF single color dimmer
			50K - 5000K	**25DX45D** - 25°45°		**LED25W-24** - Power supply
			60K - 6000K			**LB-1009EAWI** - RF+WiFi receiver

PC Clips and male DC connector included. 25 PC Clips per roll.

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fusiOn
LIGHTING
By Elite Lighting

LB7000
Optics LED Strip Light

5 in 1 Dimmable Driver

RATED CLASS **2**   FCC   c(UL)us LISTED

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

PN: ED-30W-24V-TRIAC/DIM10

Model	Input Voltage	Output Voltage	Wattage	Max. Output current	Frequency	Location	Certificate
ED-30W-24V-TRIAC/DIM10	100-277VAC	24V	30W	1.25A	50/60Hz	Dry, Damp, and Wet locations	UL, cUL, FCC, Class 2, RoHS

Dimensions

ED-30W-24V-TRIAC/DIM10

3.7"   1.5"   6.4"   Ø0.86"
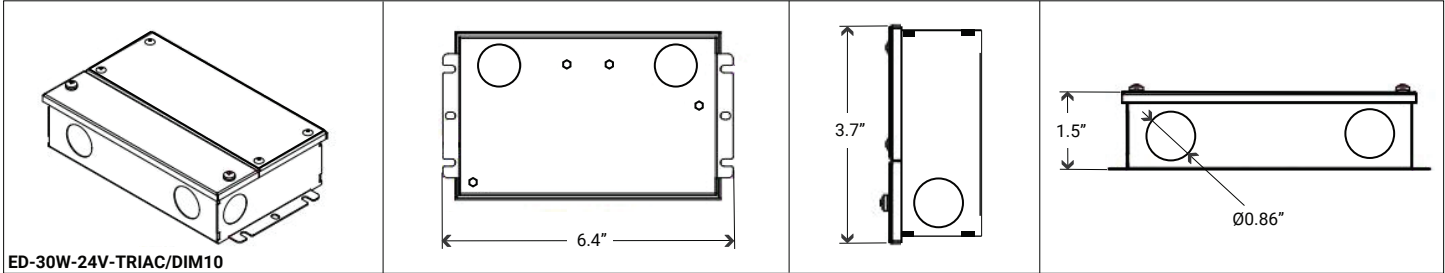
PN: ED-60W-24V-TRIAC/DIM10

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

ED-60W-24V-TRIAC/DIM10

3.7"   1.5"   7.4"   Ø0.86"
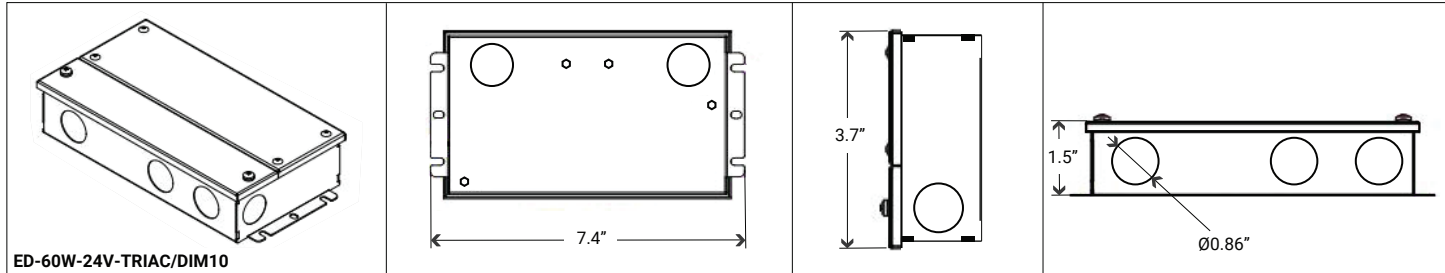
PN: ED-96W-24V-TRIAC/DIM10

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

ED-96W-24V-TRIAC/DIM10

3.7"   1.5"   8.6"   Ø0.86"

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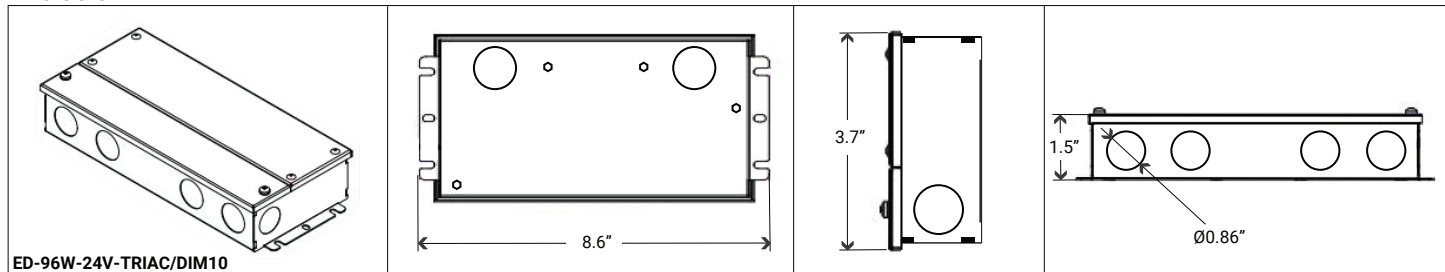
Triac-Phase Cut/Triac ELV/0-10V/1-10V PWM/Potentiometer (5 in 1) Dimmable

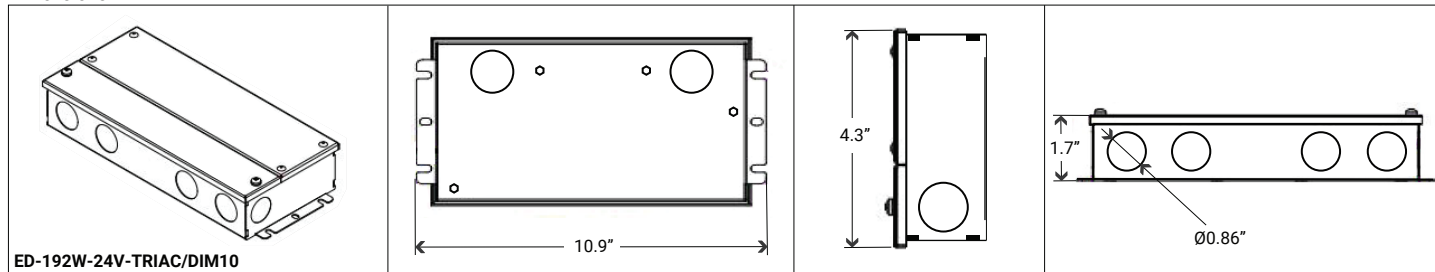### PN: ED-192W-24V-TRIAC/DIM10

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

ED-192W-24V-TRIAC/DIM10 — 10.9" — 4.3" — 1.7" — Ø0.86"

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

ED-288W-24V-TRIAC/DIM10 — 11.9" — 4.3" — 1.7" — Ø0.86"
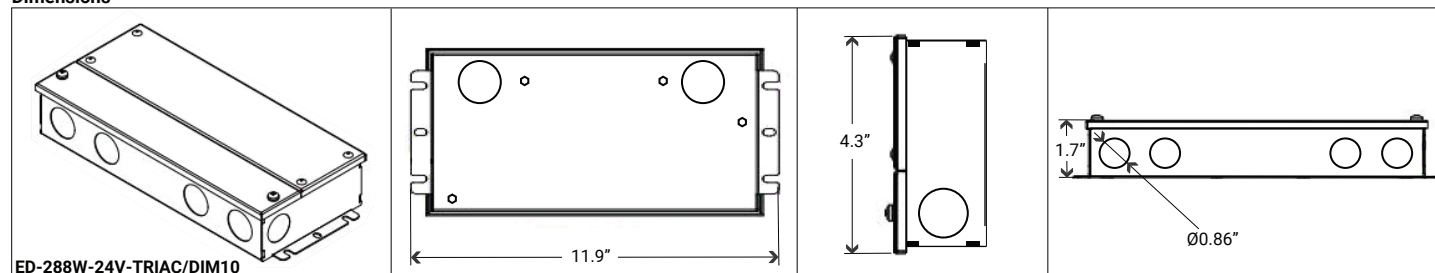
PN: ED-384W-24V-TRIAC/DIM10

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

ED-384W-24V-TRIAC/DIM10 — 12.7" — 5.5" — 1.8" — Ø0.86"

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LIGHTING
By Elite Lighting

LB7000
Optics LED Strip Light

5 in 1 Dimmable Driver

RATED
CLASS **2**

FC

c(UL)us
LISTED
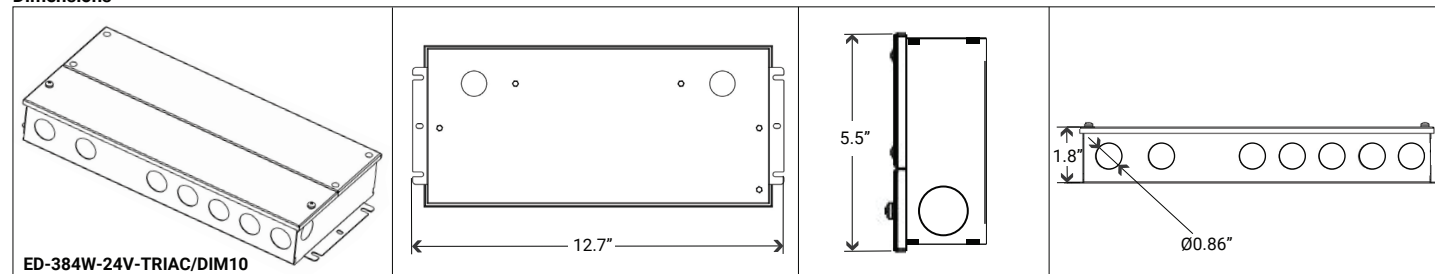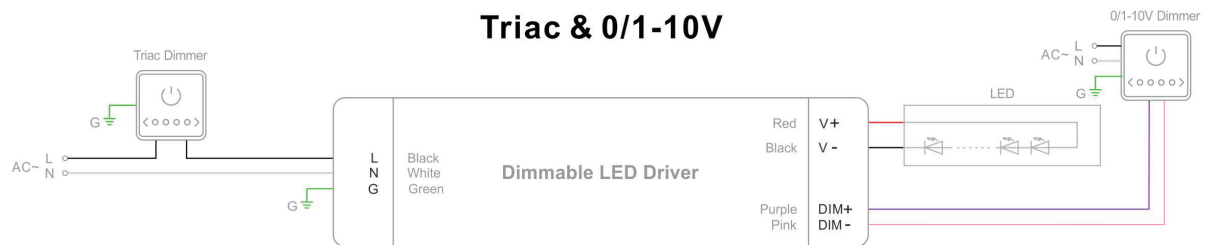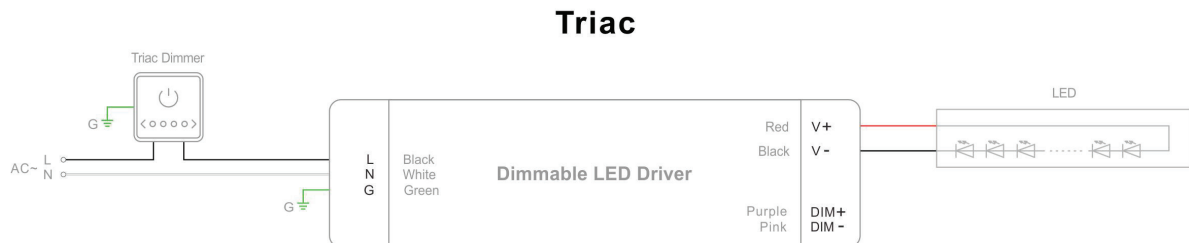
Dimming Operation and Connecting Diagram

- **Using two ways of dimming at the same time,** you must be assured that LED lighting is up to the max. Brightness then you could operate with the other dimming;

Triac & 0/1-10V

- **Using one dimming ---TRIAC/Phase cut dimming**

1. The Pulse-Width Modulation (PWM) of output voltage can be adjusted through input terminal of the AC phase line(L) by connection a phase /Triac dimmer or lighting system.
2. Working with forward phase, MLV and Reverse phase , ELV, TRIAC dimmers or light system.
3. Min. loading is about 10%
4. Please try to use dimmers with power at least 1.5 times as the output power of the driver.

Triac

- **Using one dimming ---0-10/ 1-10V/ 10V PWM/ Potentiometer dimming**

0-10V / 10V PWM

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0/1-10V

0/1-10V Dimmer

AC~ L N

G

L N G   Black White Green   **Dimmable LED Driver**

Red   V+
Black   V -

Purple   DIM+
Pink   DIM -

LED

1-10V / Potentiometer

ON / OFF Switch

AC~ L N

G

L N G   Black White Green   **Dimmable LED Driver**

Red   V+
Black   V -

Purple   DIM+
Pink   DIM -

LED

1-10V Dimmer Potentiometer Dimmer

Dimmable LED Driver (5 in 1 Dimming)
Triac/ Phase, 0-10V, 1-10V, Potentiometer, 10V PWM 5 in 1 dimming
Constant Voltage (MULTI 2×96W)
Model: ED-192W-24V-TRIAC/DIM10
Input: 100-277V~ 2.3A max.   50/60Hz λ: 0.95
Output: 24V 2×4A   192W (2×96W)
SUITABLE FOR DRY, DAMP AND WET LOCATIONS
CONVIENT AUX EMPLACEMENTS SECS, HUMIDE ET MOUILLÉ
www.iuseelite.com

RATED CLASS 2   TYPE HL   RoHS   SELV
FC
c(UL)us LISTED E487641
Conforms UL 8750   Conforms FCC
Conforms CAN/CSA-C22.2 NO.250.13
WARNING - Risk of Fire or Electric Shock.
Do not interconect output terminations
AVERTISSEMENT - Risque d'incendie ou d'électrocution.
Ne pas interconnecter les terminaisons de sortie
CAUTION: More than one power supply present
ATTENTION: Plusieurs blocs d'alimentation sont présents   IYP

INPUT
AC L   AC N
(Black) (White) (Green)

MAXIMUM OF 12 AWG THROUGH BRANCH CIRCUIT
CONDUCTOR SUITABLE FOR 105°C PERMITTED IN BOX

DIM   **OUTPUT** MULTI x 2

Dimmable LED Driver (5 in 1 Dimming)
Triac/ Phase, 0-10V, 1-10V, Potentiometer, 10V PWM 5 in 1 dimming
Constant Voltage
Model: ED-60W-24V-TRIAC/DIM10
Input: 100-277V~ 0.9A max.
50/60Hz λ: 0.95
Output: 24V 2.5A   60W
SUITABLE FOR DRY, DAMP AND WET LOCATIONS
CONVIENT AUX EMPLACEMENTS SECS, HUMIDE ET MOUILLÉ
www.iuseelite.com

RATED CLASS 2   FC
c(UL)us LISTED E487641
RoHS   SELV   TYPE HL
Conforms UL 8750   Conforms FCC
Conforms CAN/CSA-C22.2 NO.250.13
CAUTION:
More than one power supply present
ATTENTION:
Plusieurs blocs d'alimentation sont présents   IYP

INPUT
AC L   AC N
(Black) (White) (Green)

MAXIMUM OF 12 AWG THROUGH BRANCH CIRCUIT
CONDUCTOR SUITABLE FOR 105°C PERMITTED IN BOX

DIM   **OUTPUT**
- +   LED- LED+

Dimmable LED Driver (5 in 1 Dimming)
Triac/ Phase, 0-10V, 1-10V, Potentiometer, 10V PWM 5 in 1 dimming
Constant Voltage
Model: ED-30W-24V-TRIAC/DIM10
Input: 100-277V~ 0.5A max.
50/60Hz λ: 0.95
Output: 24V 1.25A   30W
SUITABLE FOR DRY, DAMP AND WET LOCATIONS
CONVIENT AUX EMPLACEMENTS SECS, HUMIDE ET MOUILLÉ
www.iuseelite.com

RATED CLASS 2   FC
c(UL)us LISTED E487641
RoHS   SELV   TYPE HL
Conforms UL 8750   Conforms FCC
Conforms CAN/CSA-C22.2 NO.250.13
CAUTION:
More than one power supply present
ATTENTION:
Plusieurs blocs d'alimentation sont présents   IYP

INPUT
AC L   AC N
(Black) (White) (Green)

MAXIMUM OF 12 AWG THROUGH BRANCH CIRCUIT
CONDUCTOR SUITABLE FOR 105°C PERMITTED IN BOX

DIM   **OUTPUT**
- +   LED- LED+
(Pink) (Purple)   (Black) (Red)

Triac/Phase cut & 0-10V/1-10V PWM/Potentiometer (5 in 1) Dimmable

Constant Voltage TRIAC Dimmable Driver

PN: HBL040-AW-24-DA

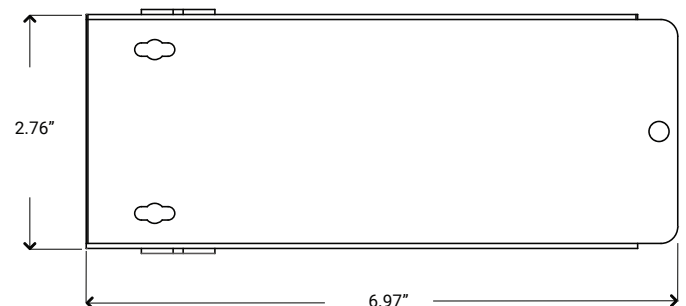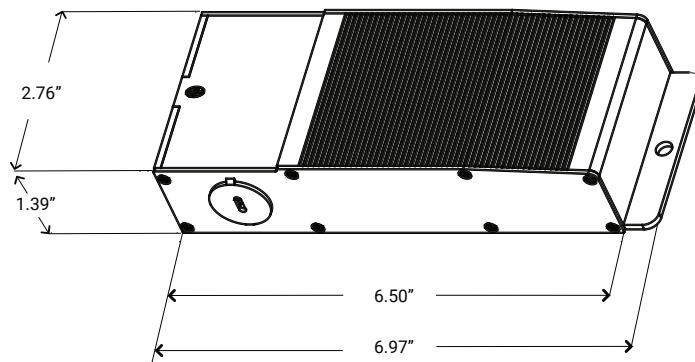| Model	Input Voltage	Output Voltage	Wattage	Rated Current	Frequency	Location	Certificate
HBL040-AW-24-DA	120-277VAC	24VDC	40W	1.66A	50/60Hz	Dry or Damp location	ETL, Class 2

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

PN: HBL060-AW-24-DA

Model	Input Voltage	Output Voltage	Wattage	Rated Current	Frequency	Location	Certificate
HBL060-AW-24-DA	120-277VAC	24VDC	60W	2.5A	50/60Hz	Dry or Damp location	ETL, Class 2

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

PN:HBL096-AW-24-DA

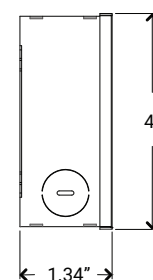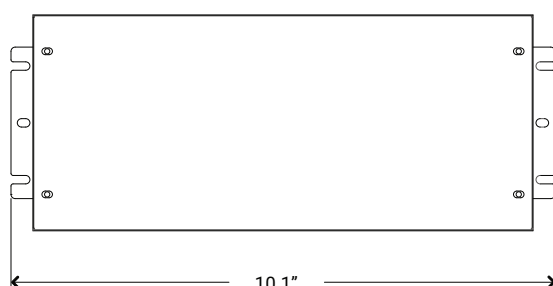| Model	Input Voltage	Output Voltage	Wattage	Rated Current	Frequency	Location	Certificate
HBL096-AW-24-DA	120-277VAC	24VDC	96W	4A	50/60Hz	Dry or Damp location	ETL, Class 2

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

DIMENSIONS

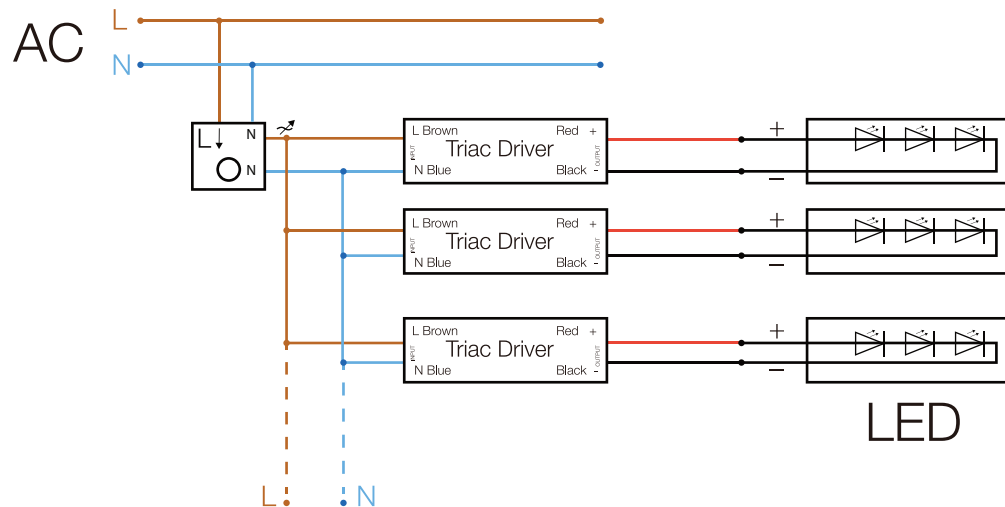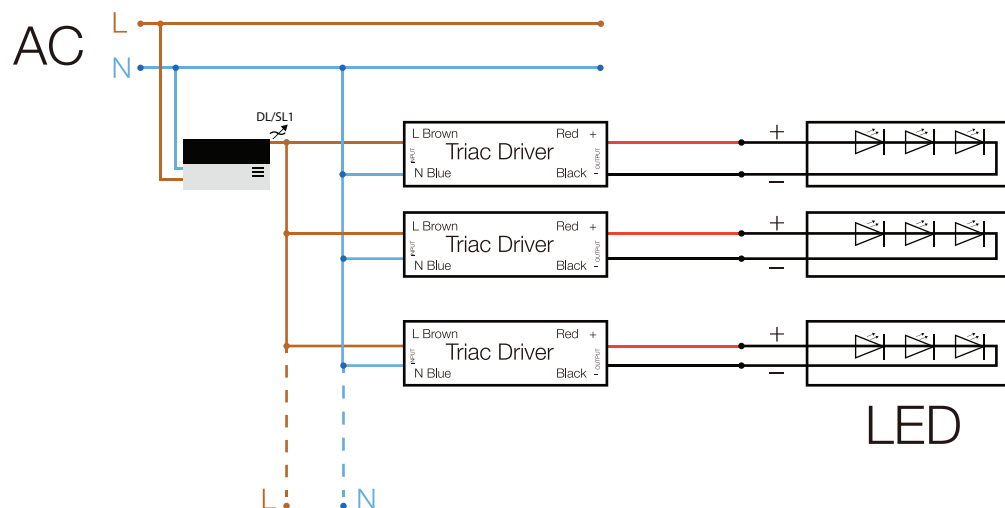**TRIAC Dimming for 120VAC / Non-Dimming for 277VAC**

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Connecting Diagram

AC
L
N

Triac Dimmer

(Lutron & Clipsal
C-Bus System)

L Brown — Triac Driver — Red +
N Blue — Black –

L Brown — Triac Driver — Red +
N Blue — Black –

L Brown — Triac Driver — Red +
N Blue — Black –

LED

L   N

AC
L
N

Triac Dimmer

(Lutron & Clipsal
C-Bus System)

L Brown — Triac Driver — Red +
N Blue — Black –

L Brown — Triac Driver — Red +
N Blue — Black –

L Brown — Triac Driver — Red +
N Blue — Black –

LED

L   N

AC
L
N

DL/SL1

LUTRON

Triac Dimmer

L Brown — Triac Driver — Red +
N Blue — Black –

L Brown — Triac Driver — Red +
N Blue — Black –

L Brown — Triac Driver — Red +
N Blue — Black –

LED

L   N

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w w w . i u s e e l i t e . c o m
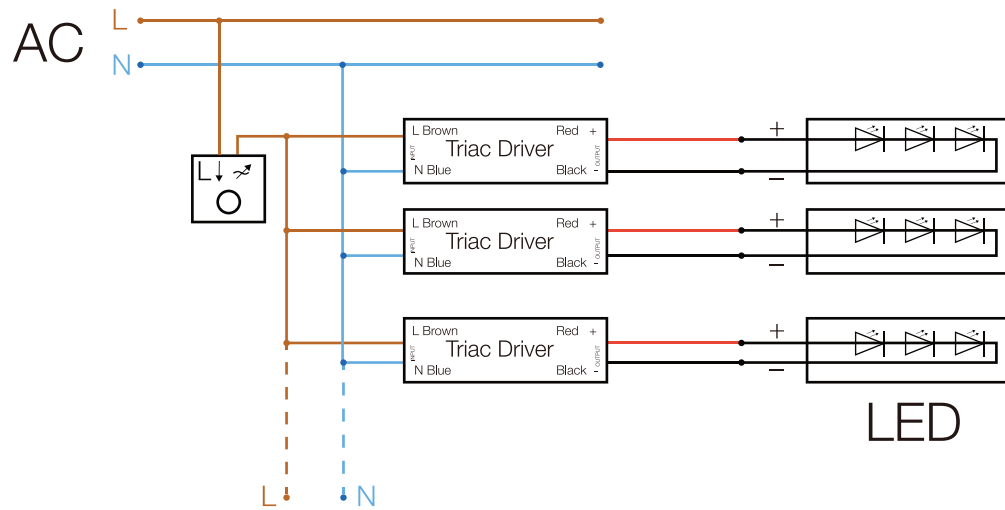
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LB-2830A RF Single Color Controller

- 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.

Wall Control

Click on the picture for detailed information.

Compatible with: **LB-1009EAWI**

TECHNICAL DETAILS

Output Signal	RF Signal		**Certifications**	FCC / RoHS
Power Supply	12-24 VDC		**Zones**	4
Power Consumption	<20 mA		**Frequency**	916.5MHz
Operating Temperature	0-40°C / 32°F-104°F		**Surface**	Glass
Dimensions	4.7"X2.9"X1.1"		**Control**	Single Color
Mounting	Wall Mount		**Warranty**	5 Years limited warranty
Color	White/Black			

LB-2833-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.**

Click on the picture for detailed information.

Compatible with: **LB-1009EAWI**

TECHNICAL DETAILS

Output Signal	RF Signal		**Certifications**	FCC / RoHS
Power Supply	3V (CR2032 battery)		**Zones**	Control 1 Zone of receiver
Operating Temperature	0-40°C / 32°F-104°F		**Frequency**	916.5MHz
Dimensions	2.5"X1.2"X0.35"		**Rated**	IP20
Color	White		**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.

Click on the picture for detailed information.

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

GUIDE DIAGRAM

Static White

①

Static White → Wall Controller RF **LB-2830A or LB-2833-K5-MONO** → DMX Decoder RF **LB-1009EAWI** → Tape Light **LB7000**

24 Volt Power Supply **LED25W-24**

PSU 96-288W Constant Voltage

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