LB8000-12-TWH Series
Outdoor Strip Light
Width / 0.47"
Height / 0.47"
IP68

FEATURES

Illuminate your space with versatility using the **LB8000-12-TWH tunable white Lumi-PRO top bend flexible neon**, lighting solution from Elite Lighting. This flexible neon, when coupled with Elite Lighting's decoders and controllers, offers control over ambiance and atmosphere.

With the **ELDO LED Linear drive option, performance is optimized, ensuring a tunable, dot-free lighting experience.** The LB8000-12-TWH boasts a wide tunable range from 6000K to 3000K, allowing for precise adjustment to suit any environment or mood. Whether you desire warm, inviting tones or cool, energizing hues, this dynamic lighting system delivers unmatched flexibility and quality. **Elevate your space with the LB8000-12-TWH.**

Max run up to 33ft	
Outdoor/Wet Location (IP68)	
Linear lighting	
Top bend	
Warranty:5 years for indoor and 3 years for outdoor limited warranty	

Color Temp.	4.4 W/ft.
6000K-3000K	280 lm/ft

RoHS · UL LISTED c(UL)us · 5 YEARS LIMITED WARRANTY

MOUNTING TRACK

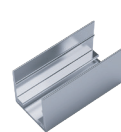| FNC-1212-5	FNC-1212-1	LB8000-12-CH	LB8000-12-CH-BR
Bending Aluminum Track 19" Length	Bending Aluminum Track 39" Length	Flangeless Channel 39" Length	Flangeless bracket 1.3" Length

TECHNICAL DETAILS

Power	4.4W/ft
Voltage	24V
IP	IP68
CRI	90+
LED Qty	74ft
Max Run(ft)	33ft
Cutting Length	Every 2"
Dimensions	W0.47" X H0.47"
Working Temp.	-4F / +122F

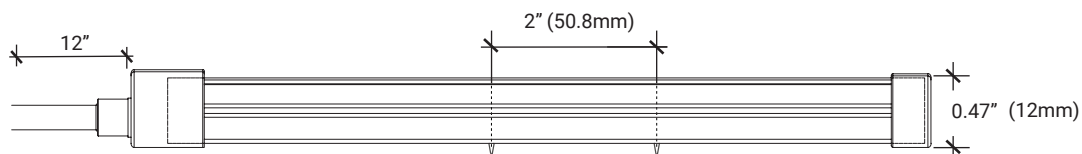## BENDING RADIUS / MIN. Bending radius 1.18" (30mm)

Concave Direction — Light Surface

Convex Direction — Light Surface

DIMENSIONS

12"   2" (50.8mm)   0.47" (12mm)
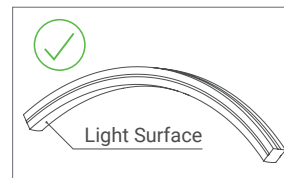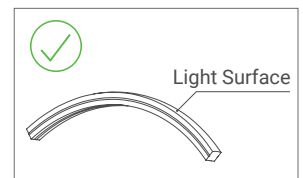
(Tape light comes with 12" standard length female barrel connector anti-wicking attached)

elite

www.iuseelite.com

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**.

04/14/24

Accessories

LB8000-12-EC	LB8000-12-EC-PF-EF	LB8000-12-EC-PF-BF	WL-BCF-3P-WHT	WL-BCM-3P-WHT
(2 End caps Included)	**(2 End caps Included)**	**(2 End caps Included)**	**(1 Piece Included)**	**(2 Pieces Included)**
Silicone end cap non-power feed	Silicone end cap power feed	Silicone end cap Side/bottom power feed	Female Barrel Connector with Anti-Wicking ferrule	Male Barrel Connector
0.5"x0.1"x0.5"	1"x0.5"x0.5"	1"x0.8"x0.5"	12" Length	72" Length

ORDERING SELECTION

Example: LB8000-12-TWH-4.4W-33F-60K-30K-24V

LB8000-12-TWH					
SERIES	**WATTAGE**	**LENGTH**	**CCT**	**VOLTAGE**	**ACCESSORIES**
LB8000-12-TWH	**4.4W** - 4.4W/ft	**33F** - 33ft Roll **CUS_** - Custom (Cutting length every 2")	**60K-30K** - 6000K-3000K	**24V** - 24V	**FNC-1212-5** - AL. Track 19" Length **FNC-1212-1** - AL. Track 39" Length **LB8000-12-CH** - Flangeless channel **LB8000-12-CH-BR** - Flangeless bracket **LB8000-12-EC** - Silicone end cap/end **LB8000-12-EC-PF-EF** - Silicone end cap/power feed **LB8000-12-EC-PF-BF** - Silicone end cap side/bottom power feed **WL-BCF-3P-WHT** - Female Barrel Connector 12" Length **WL-BCM-3P-WHT** - Male Barrel Connector 72" Length

CONTROLLERS

LB-2830B	-	RF Wall Controlle
LB-2834-CCT	-	Wall Controller
LB-2830BDMX	-	DMX Wall Controller
LB-2819SCCT	-	RF Remote Controller
LB-2833N-K5-CCT	-	RF Wall Dimmer
LED25W-24	-	Power Supply
LB-2817DMX	-	RF Converter
LB-1009EWI-5CH	-	RF+WiFi Receiver
LB-2108-24-96CVF-UL	-	DMX Decoder Wired
LB-2108B-M6-3	-	DMX Decoder Wired
LIN100M1	-	Eldo LED Driver
DD-24V-90W-N	-	Dim-tone Driver

DRIVER

Refer to the next pages for available options.

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Tunable White / Wall Controller RF

Power Supply

ED-96W-24V-TRIAC-DIM10   ED-192W-24V-TRIAC-DIM10   ED-288W-24V-TRIAC-DIM10

LED Receiver

LB-1009EWi-5CH

Input Voltage	12-36 VDC
Output Current	5x5A
Output Power	5x(60-180)W
Dimensions	6.6"X2.3"X1.1"

LB-1009EWi-5CH

WALL CONTROLLER
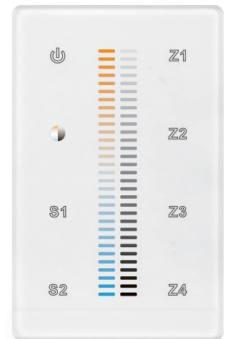
LB-2830B

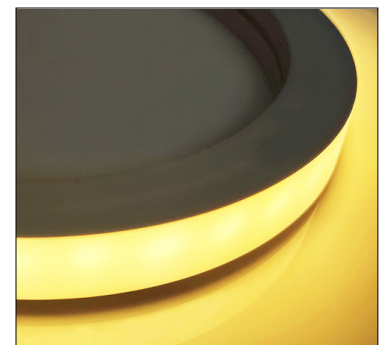|	
Output Signal	RF Signal
Power Supply	12-24VDC

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

Wall Control

Control 4 zones.

LED Tape Light

LB8000-12-TWH

Tunable White / Remote Controller RF

Power Supply

ED-96W-24V-TRIAC-DIM10   ED-192W-24V-TRIAC-DIM10   ED-288W-24V-TRIAC-DIM10

LED Receiver

LB-1009EWi-5CH

Input Voltage	12-36 VDC
Output Current	5x5A
Output Power	5x(60-180)W
Dimensions	6.6"X2.3"X1.1"

LB-1009EWi-5CH

Remote CONTROLLER

LB-2819SCCT

Output Signal	RF Signal
Power Supply	3XAAA battery

Remote Control

Control 4 zones.

LED Tape Light
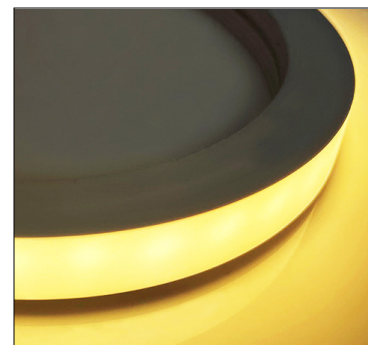
LB8000-12-TWH

Tunable White / Wall Dimmer Controller RF

Power Supply

ED-96W-24V-TRIAC-DIM10   ED-192W-24V-TRIAC-DIM10   ED-288W-24V-TRIAC-DIM10

LED Receiver

LB-1009EWi-5CH

Input Voltage	12-36 VDC
Output Current	5x5A
Output Power	5x(60-180)W
Dimensions	6.6"X2.3"X1.1"

LB-1009EWi-5CH

WALL DIMMER CONTROLLER

LB-2833N-K5-CCT

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

Wall Control

Control 1 zone.

LED Tape Light
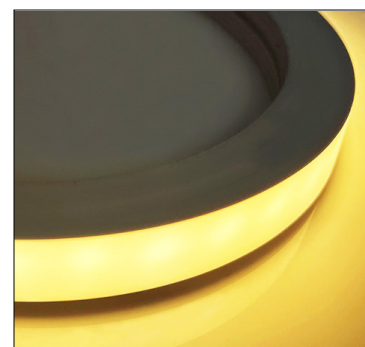
LB8000-12-TWH

Tunable White / DMX Wired

Power Supply

ED-96W-24V-TRIAC-DIM10

ED-192W-24V-TRIAC-DIM10

ED-288W-24V-TRIAC-DIM10

ED-384W-24V-TRIAC-DIM10

LB-2108B-M6-3

DMX Decoder

Input Voltage	12-24 VDC
Output Current	6x6A
Output Power	6x(72-144)W
Dimensions	7.3"X3.3"X1.6"

LB-2108B-M6-3

WALL CONTROLLER
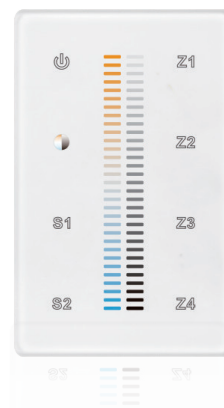
Wall Control

LB-2830BDMX

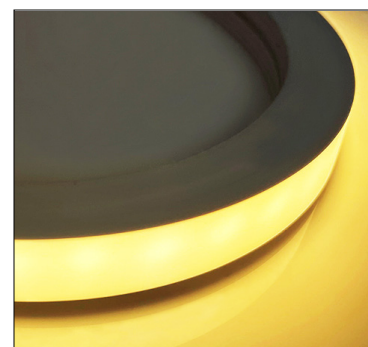| Output Signal	DMX
Power Supply	12-24 VDC
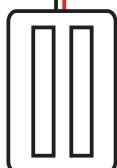
LED25W-24 (Power Supply)
(Optional for wall controller)

Control 4 zones.

LED Tape Light

LB8000-12-TWH

Tunable White / AC to DC - DMX WIRED

Power Supply

LB-2108-24-96CVF-UL

Input Voltage	120-277 VAC
LED Channels	4
Frequency Range	50/60Hz
DC Voltage	24V DC
Dimensions	9.6"X2.5"X1.2"

LB-2108-24-96CVF-UL

WALL CONTROLLER
LB-2830BDMX

Output Signal	DMX
Power Supply	12-24 VDC

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

Wall Control

Z1 Z2 S1 Z3 S2 Z4

Control 4 zones.

LED Tape Light
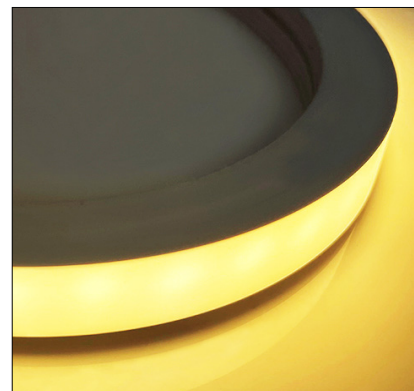
LB8000-12-TWH

Tunable White / ELDOLED AC to DC - DMX WIRED

Power Supply

LIN100M1

Control Protocol	DMX/DALI
Driver Type	Constant Voltage
Max. LED Output Power	100W
SIZE	14.57"X1.61"X1.18"

LIN100M1

WALL CONTROLLER

LB-2830BDMX

Output Signal	DMX
Power Supply	12-24 VDC

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

Wall Control

Control 4 zones.

LED Tape Light

LB8000-12-TWH

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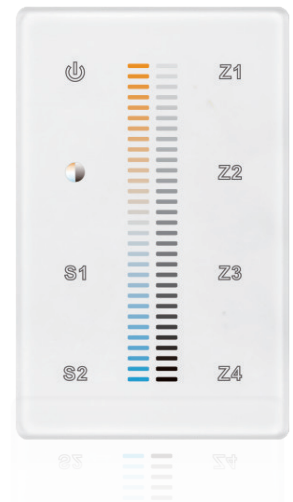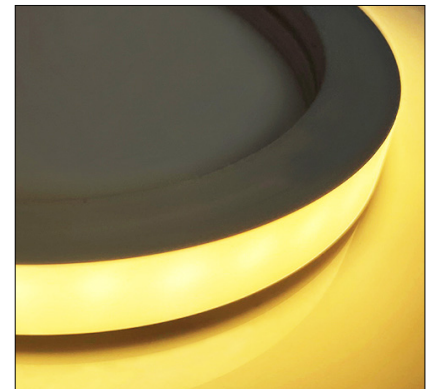
Tunable White /Wall Control 0-10

Power Supply

DD-24V-90W-N

Rated Voltage	24VDC
Input Voltage	120VAC +/-10%
Max. Power	90W
Input Frequency	60Hz
Voltage Ripple & Noise Max	300mV (Vp-p)

WALL CONTROLLER

LB-2834-CCT

Output Signal	2X(1-10V)
Power Supply	100-277 VAC

Wall Control
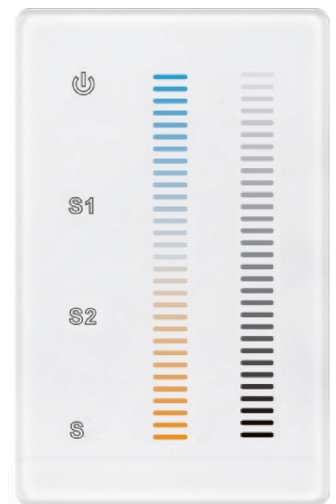
Control 1 zone.
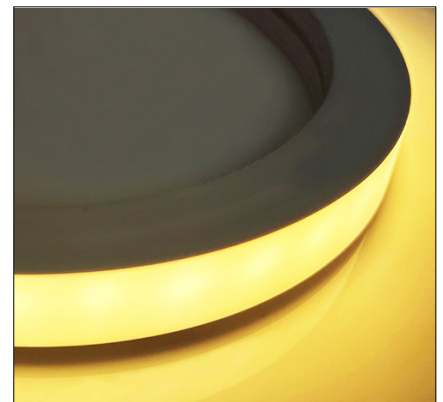
LED Tape Light

LB8000-12-TWH

Tunable White /Wall Control 0-10

Power Supply

DD-24V-90W-N

Rated Voltage	24VDC
Input Voltage	120VAC +/-10%
Max. Power	90W
Input Frequency	60Hz
Voltage Ripple & Noise Max	300mV (Vp-p)

WALL CONTROLLER

TECH-WS

Input	120VAC - 60Hz
Max. Load	700W
Load Type	12/24VDC Tunable White LEDs
Operating Temperature	-30 °C - + 40 °C / -86°F - + 104°F
Dimensions	8.4"X4.1"X1.5"

Wall Control

LED Tape Light
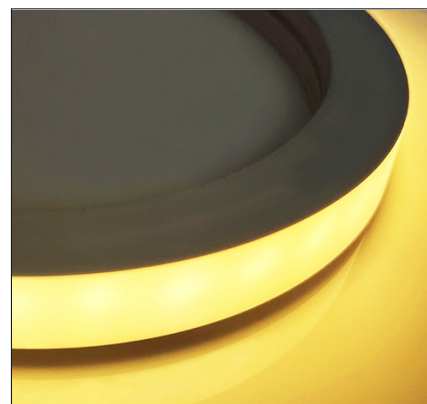
LB8000-12-TWH

Wall Control

LB-2830B CCT Color Wall Panel Controller

- Ultra-sensitive, high-strength glass touch panel with a color line in the middle and backlighting.
- Ideal for dual-color LED lights, both warm white and cold white.
- Control 4 different zones separately or synchronously, with endless receivers available in each zone.
- Save 2 kelvin settings/scenes for each zone.
- Enable connection with both warm white and cold white to achieve accurate adjustment of color temperature and brightness
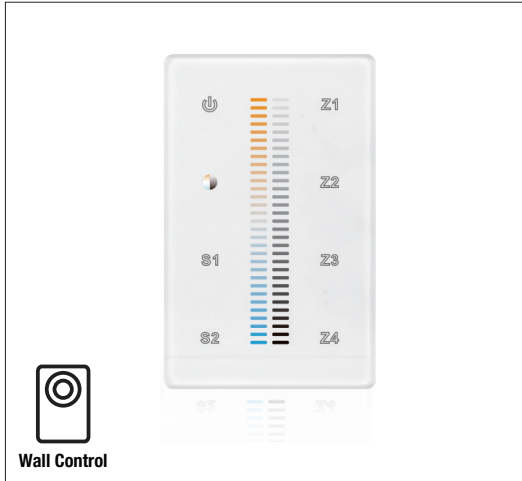- 256-level brightness adjustment for each white to achieve millions of color temperature possibilities
- Smooth dimming without any flickering, ranging from 0.1% to 100%.
- Receivers can work with the WiFi-RF converter using the "Easylighting" app on IOS and Android systems.
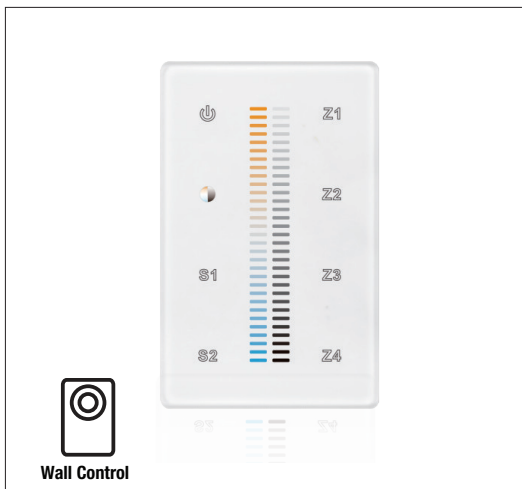
Compatible with:
LB-1009EAWI - LED25W-24 - LB2817DMX - LB2108B-M6-3 - LB2108-24-96CVF-UL - LINEARDrive 100/M

TECHNICAL DETAILS

Output Signal	RF Signal		**Color**	White
Power Supply	12-24 VDC		**Certifications**	FCC / RoHS
Power Consumption	< 20 mA		**Zones**	4
Operating Temperature	0-40°C / 32°F-104°F		**Rated**	IP20
Frequency	916.5MHz		**Warranty**	5-Years limited warranty
Dimensions	2.9"X4.7"X1"			

Wall Control

LB-2830BDMX DMX512 Wall Panel Controller

- DMX signal output, complies with standard protocol DMX512(1990).
- Four different zones can be operated separately or synchronized with endless decoders in each zone.
- Save 2 kelvins/scenes for each zone.
- 256-level brightness adjustment for each white allows for the achievement of millions of color temperatures.
- Smooth dimming and switching without any flickering.
- Backlighting design enables visibility in the dark.

Compatible with: LB-2108B-M6-3 - LB-2108-24-96VF-UL - LINEARDrive 100/M

TECHNICAL DETAILS

Output Signal	DMX512 Signal		**Color**	White
Power Supply	12--24 VDC		**Certifications**	FCC / RoHS
Consumption Power	< 20 mA		**Zones**	4 zones
Operating Temperature	0-40°C / 32°F-104°F		**Surface**	Glass
Dimensions	4.7"X2.9"X1"		**Control**	CCT controller
Mounting	Wall Mount		**Warranty**	5 Years limited warranty

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Wall Control

LB-2834-CCT 0/1-10V CCT Wall Panel Controller

- Double touch sliders, one for Brightness and the other one for CCT adjustment.

- Control 1 zone with endless receivers in each zone.

- Save up to 3 colors/scenes for each zone.

- 1% - 100% dimming.

- 2 channels 1-10V signal output.

- Receivers can work with the WiFi-RF converter using the "Easylighting" or "Easyhome" app on IOS and Android systems.

Compatible with: DD-24V-90W-N LED Driver

TECHNICAL DETAILS

Output Signal	2X (1-10V) Signal	**Color**	White
Power Supply	100-277VAC	**Certifications**	FCC / RoHS
Consumption Power	Max. 1.8W	**Zones**	1 zone
Operating Temperature	0-40°C / 32°F-104°F	**Surface**	Glass
Dimensions	4.7"X2.9"X1"	**Control**	CCT controller
Mounting	Wall Mount	**Warranty**	5 Years limited warranty

Remote Controller

LB-2819SCCT CCT Color Remote Controller

- Ultra sensitive touch control color touch wheel.

- Control up to 4 zones; each zone can be set with endless receivers. 1 receiver can be paired by max 8 different remote controls.

- Save 3 kelvins/scenes for each zone.

- Control distance around 20-30 meters.

- Accurate and smooth color temperature and brightness adjustment for natural white, warm white, and cold white LEDs.

- 256-level brightness adjustment for each white to achieve millions of color temperatures.

- Smooth dimming without any flickering from 0.1% to 100%.

- Receivers can work with the WiFi-RF converter using the "Easylighting" or "Easyhome" app on IOS and Android systems.

Compatible with: LB-2817DMX - LB-2108B-M6-3 - LB-1009EAWI

TECHNICAL DETAILS

Output Signal	RF Signal	**Certifications**	FCC / RoHS
Power Supply	4.5V (3xAAA battery)	**Color**	Black
Operating Temperature	0-40°C / 32°F-104°F	**Zones**	Control 4 Zones of RF receivers separately
Frequency	869.5/916.5/434MHz	**Rated**	IP20
Dimensions	4.7"X2"X0.66"	**Warranty**	5-Years limited warranty

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TECH-WS Single Switch

DimTech offers a single-switch, end-to-end approach, eliminating redundant components and compatibility issues for superior dimming performance. With its wireless support, DimTech offers flicker free smooth dimming down to 0.1% before shutting off. Just plug and play to start customizing your lighting in moments. Device pairing takes place automatically when the light is first switched on, with no technical knowledge needed.

- SmartAir-App/Voice Control.
- Flicker-Free soft dimming down to 0.1% Dim-to-off.
- Simple installation with no extra wiring or controllers.
- 120VAC wall switch no battery required.
- Fits US standard gang box.

Compatible with: DD-24V-90W-N LED Driver

TECHNICAL DETAILS

Input	120VAC - 60Hz		**Control Protocol**	RF (auto pairing)
Max. Load	700W		**Dimming Range**	0.1-100%
Load Type	12/24VDC Tunable White LEDs		**Dimming Method**	PWM (2400Hz)
Operating Temperature	-30 °C - + 40 °C / -86°F - + 104°F		**UL Listed**	UL1472 / CSA C22.2184.1
Dimensions	8.4"X4.1"X1.5"			

LB-2833N-K5-CCT RF CCT Dimmer

RF wireless Dual Color Remote can control 1 zone of receiver. This CCT 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.**

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"
Zones	Control 1 Zone of receiver
Frequency	916.5MHz
Rated	IP20
Warranty	5-Years limited warranty

Compatible with: LB-1009EAWI - LB-2817DMX - LB-2108B-M6-3

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

Compatible with: LB-2830B - LB-2817DMX - LB-2830BDMX

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LB-2817DMX   DMX Converter

The **LB-2817DMX master** is a controller that receives RF or WiFi wireless signals from remote controllers, iOS, or Android mobile devices, and sends out **DMX512 signals to DMX decoders,** enabling remote or WiFi control of DMX controllers.

The master converts RF or WiFi signals to DMX signals, enabling wireless control. Easier and more convenient control can be achieved by pairing this RF and WiFi to DMX master with the **RF remote or WiFi controller LB2819S, iOS, and Android devices**.

- Control up to 8 zones.
- Set 8 scenes at each zone.
- Preset 10 changing modes, with pause function.
- Control synchronously after installing app on iPhone, iPad and android.
- Memory function to remember the last color/scene
- Enable dimming of the brightness for each R, G, B, W channel, allowing the mixing of millions of colors

TECHNICAL DETAILS

Output Signal	DMX512 Signal		**Certifications**	FCC / RoHS
Voltage	120 VAC		**Color**	White
Operating Temperature	0-40°C / 32°F-104°F		**Warranty**	5 Years limited warranty
Dimensions	7"X1.8"X0.8"			

LB-1009EWI-5CH   RF+WiFi Receiver

The RF LED receiver LB-1009EWI-5CH is a 5-channel, fully functional constant voltage LED controller available with 12-36VDC and a maximum output of 5A per channel. It can drive RGB and dual-color (warm white and cold white) LED lighting with a single receiver when paired with an **RGB and CCT remote.**

In addition to RGB and CCT LEDs, the 5-channel RF receiver also supports **monochrome, dual-color, RGB, and RGB lighting when paired with the corresponding remote or wall-mounted control.**

It offers not only smooth brightness dimming function but also accurate color temperature and RGB color tone adjustment with PWM output. **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 zone's R, G, B, W channels can be adjusted separately to achieve millions of colors.

When working with WiFi-RF converters, the RF receiver can be WiFi-controlled by an app installed on iOS or Android mobile devices.

TECHNICAL DETAILS

Input Voltage	12-36 VDC		**Frequency**	869.5/916.5/434MHz
Output Current	5x5A		**Certifications**	FCC / RoHS
Output Power	5x(60-180)W		**Color**	White
Dimensions	6.6"X2.3"X1.1"		**Warranty**	5-years limited warranty

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LB-2108B-M6-3 DMX512 & RDM Decoder

The   LB-2108B-M6-3 is an Ultra-Pro 6CH RDM DMX512 decoder equipped with master and decoder modes and RDM functionality. Encased in a metal housing and featuring a digital display, **it can directly display data and easily set and show DMX addresses.**

This device offers multiple types of DMX input/output ports, including RJ45, XLR, and standard screws. It provides a total of 6 PWM output channels, all with common anode configuration. **The DMX channel quantity can be configured as either 1CH or 6CH, and the PWM output resolution ratio can be set to 8-bit or 16-bit**. With adjustable decoding modes, the output PWM frequency ranges from 500Hz to 35KHz, and the output dimming curve gamma value can be adjusted from 0.1 to 9.9.

TECHNICAL DETAILS

Input Voltage	12-24 VDC		**Output PWM Frequency**	500HZ - 35K HZ settable
Output Current	6x6A		**Certifications**	FCC / RoHS
Output Power	6x(72-144)W		**Color**	Black
Dimensions	7.3"X3.3"X1.6"		**Warranty**	5-years limited warranty
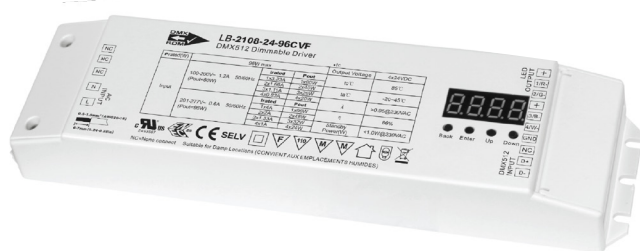
LB-2108-24-96CVF-UL DMX512 & RDM Dimmable LED Driver

The LB-2108-24-96CVF is a UL, ENEC, and TUV approved RDM-enabled DMX 96W dimmable LED driver with 4 channels of 24VDC constant voltage output and a 100-277VAC universal input. The driver boasts a power factor of over 0.9 and efficiency exceeding 90%, ensuring smooth and deep dimming down to 0.1% without flickering or buzzing noise.

It supports DMX channel quantities of 1/2/3/4, configurable via buttons, allowing control of single-color, tunable white, and RGB/RGBW LED lighting. DMX addresses can be manually assigned using the buttons and displayed on the digital display. Compliant with DMX512(2008), DMX512-A, and RDM V1.0 (E1.20 - 2006 ESTA Standard) protocols, this DMX driver is compatible with universal DMX consoles, and its UL, ENEC, and TUV certification ensures high safety performance for worldwide use.

Various features can be configured via the visible numeric digital display and buttons, including DMX address, DMX channel quantity, PWM output resolution (8-bit or 16-bit), PWM output frequency (adjustable from 500Hz to ultra-high 30kHz, ideal for professional film lighting), GAMMA ray dimming curve value (adjustable from 0.1-9.9, with optional logarithmic and linear dimming), and DMX decoding modes (optional, with default mode set to dp1.1).

TECHNICAL DETAILS

Input Voltage Range	100-277 VAC		**Output Rated Power**	Max. 96W (no minimum load required)
LED Channels	4		**Certifications**	FCC / RoHS
Frequency Range	50/60Hz		**Color**	White
OutPut DC Voltage	24V DC		**Warranty**	5-Years limited warranty
Dimensions	9.6"X2.5"X1.2"			

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**.

LIN100M1   DMX DRIVER

LINEARdrive gives you infinite color control for low-voltage LED applications, ranging from single color for accent and cove lighting to RGBW for full-color entertainment product solutions.

This constant voltage LED driver is DMX/DALI compatible and allows you to create your color or dynamic show without an external controller. Symbiosis ensures that the LED driver works seamlessly together with LED modules, controls, and intelligent luminaire elements.

TECHNICAL DETAILS

Output Voltage	12-24 VDC	**Control Protocol**	DMX/DALI
LED output current	2.8A absolute maximum rating per output	**Driver Type**	Constant Voltage
Nominal input voltage range AC	120-250V (ENEC), 120-277V (UL)	**Max. LED Output Power**	100W
Nominal input voltage DC	120-275V	**SIZE**	14.57"X1.61"X1.18"

DD-24V-90W-N   Tunable White/Dim-to-Warm Control

Controlled by our DimTone Wall Switch through a wireless signal, this system entails zero compatibility issues and unbeatable dimming performance. This LED Driver provides smooth, flicker-free dimming down to 0.1% before total darkness to ensure a quality user experience. It is available in both 12VDC and 24VDC output.

The DriveTone is a UL listed Class 2 Driver that includes an integrated junction box with a separate input and output wiring compartment each with three 7⁄8" knockouts for easy and safe installation.

TECHNICAL DETAILS

Rated Voltage	24VDC	**Dimensions**	8.4"X4.1"X1.5"
Input Voltage	120VAC +/-10%	**Operating Temp**	-30°C - +40°C / -86°F - +104°F
Max. Power	90W	**IP Rating**	23
Input Frequency	60Hz	**Color**	White
Voltage Ripple & Noise Max	300mV (Vp-p)	**UL Listed Class 2**	cUL Listed