fusion LIGHTING
By Elite Lighting

LB8000-16-RGBW

Lumi-PRO/RGBW Flex Neon LED Strip Light

FEATURES

The LB8000-16-RGBW is a top bending flexible neon RGB with white LEDs, designed to provide a wide spectrum of vibrant hues in combination with the purity of white light. This unique combination offers numerous creative possibilities, enabling dynamic color mixing and the incorporation of subtle, white tones.

When paired with **Elite Lighting's decoders and controllers,** users gain precise control over their lighting designs, allowing for the creation of stunning displays and immersive atmospheres. **Whether you're orchestrating dazzling color displays or illuminating spaces with pristine white light**, the LB8000-16-RGBW delivers both functionality and aesthetic appeal.

Max run up to 16.4ft
Outdoor/ Wet Location (IP68)
Linear lighting
Top Bend
Warranty:5 years for indoor and 3 years for outdoor limited warranty

Color Temp.	**5.2 W/ft.**
6500K	75 lm/ft
Red	25 lm/ft
Green	50 lm/ft
Blue	15 lm/ft
RGBW	150 lm/ft

MOUNTING TRACK

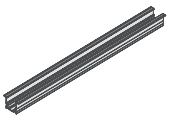
FNC-1617-5

Bending Aluminum Track
19” Length

FNC-1617-1

Bending Aluminum Track
39” Length

LB8000-16-CH-FL

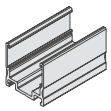


Flanged channel
39” Length

LB8000-16-CH

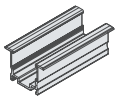
Flangeless channel
39” Length

LB8000-16-CH-BR



Flangeless Bracket
1.3” Length

LB8000-16-CH-FL-BR

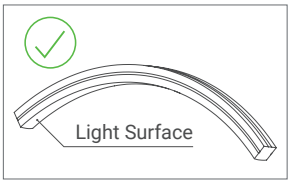


Flanged Bracket
1.3” Length

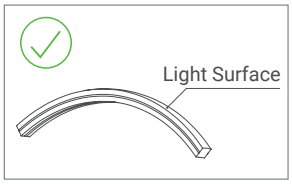
TECHNICAL DETAILS

Power	5.2W/ft
Voltage	24V
IP	IP68
LED Qty	22/ft
Max Run(ft)	16.4ft
Cutting Length	Every 3.3”
Dimensions	W0.62” X H0.66”
Working Temp.	-4F / +122F

BENDING RADIUS / MIN. Bending radius 2.36” (60mm)

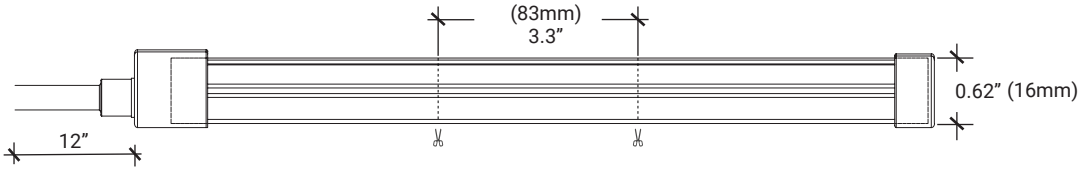


Concave Direction



Convex Direction

DIMENSIONS



(Tape light comes with 12” standard length female barrel connector anti-wicking attached)

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**.

05/16/24

fusion LIGHTING
By Elite Lighting

LB8000-16-RGBW

Lumi-PRO/RGBW Flex Neon LED Strip Light

Accessories

LB8000-16-EC
(2 End caps Included)

Silicone end cap

0.7”x0.7”x0.74”

LB8000-16-EC-PF-EF
(2 End caps Included)

Silicone end cap power feed
1.1”x0.7”x0.7”

LB8000-16-EC-PF-BF
(2 End caps Included)

Silicone end cap Side/ bottom power feed
0.9”x1.1”x0.7”

WL-BCF-5P-WHT
(1 Piece Included)

Female Barrel Connector with Anti-Wicking ferrule
12” Length

WL-BCM-5P-WHT
(2 Pieces Included)

Male Barrel Connector

72” Length

ORDERING SELECTION

Example: LB8000-16-RGBW-5.2W-16F-24V

LB8000-16-RGBW					
SERIES	**WATTAGE**	**LENGTH**	**VOLTAGE**	**ACCESSORIES**	**DRIVER**
LB8000-16-RGBW	**5.2W** - 5.2W/ft	**16F** - 16ft/Roll **CUS_** - Custom (Cutting length every 3.3”)	**24V** - 24V	**FNC-1617-5** - AL. Track 19” Length **FNC-1617-1** - AL. Track 39” Length **LB8000-16-CH-FL** - Flanged channel **LB8000-16-CH** - Flangeless channel **LB8000-16-CH-FL-BR** - Flanged bracket **LB8000-16-CH-BR** - Flangeless bracket **LB8000-16-EC** - Silicone end cap/end **LB8000-16-EC-PF-EF** - Silicone end cap/power feed **LB8000-16-EC-PF-BF** - Silicone end cap/side bottom power feed **WL-BCF-5P-WHT** - Female Barrel Connector 12” Length **WL-BCM-5P-WHT** - Male Barrel Connector 72” Length	**Refer to the next pages for available options.**

CONTROLLERS

LB-2812Wi - Wall Controller
LB-2820US - Wall Controller
LB-2819S - Remote Controller
LB-2833-K5-RGBW - Wall Dimmer
LED25W-24 - Power Supply
LB-2108B-M6-3 - DMX Decoder Wired
LB-1009EAWI - RF+WiFi Receiver
LB-2817DMX - RF Converter
LB-2108-24-96CVF-UL - DMX Decoder Wired
LIN100M1 - Eldo LED Driver

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**.

RGBW / Wall Controller RF

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

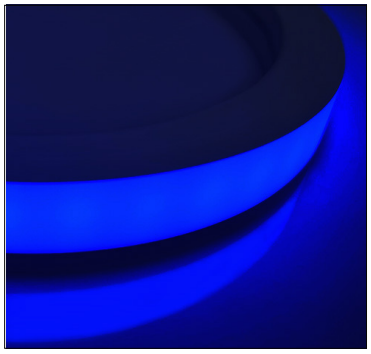
LB-2820US

Output Signal	RF Signal
Power Supply	12-24 DC

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

Control 1 zone.

LED Tape Light



LB8000-16-RGBW

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RGBW / Remote Controller RF

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

Remote Control

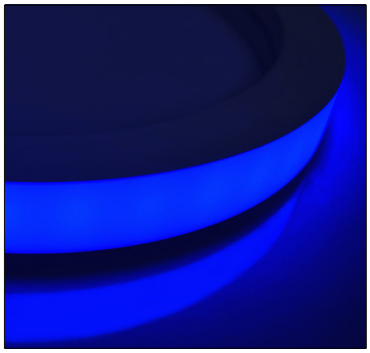
REMOTE CONTROLLER

LB-2819S

Output Signal	RF Signal
Power Supply	3XAAA battery)

Control 4 zones.

LED Tape Light



LB8000-16-RGBW

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RGBW / Wall Dimmer Controller RF

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

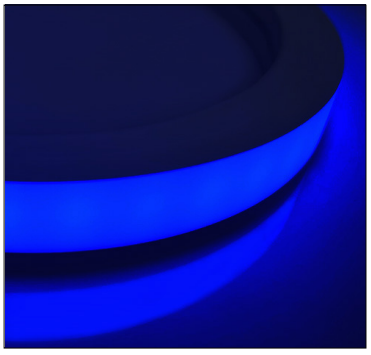
WALL DIMMER CONTROLLER

LB-2833N-K5-RGBW

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

Control 1 zone.

LED Tape Light



LB8000-16-RGBW

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RGBW / DMX Wired

Power Supply

ED-96W-24V-TRIAC-DIM10

ED-192W-24V-TRIAC-DIM10

ED-288W-24V-TRIAC-DIM10

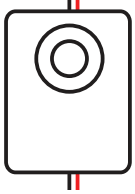
ED-384W-24V-TRIAC-DIM10

DMX Decoder

LB-2108B-M6-3

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 Control

WALL CONTROL

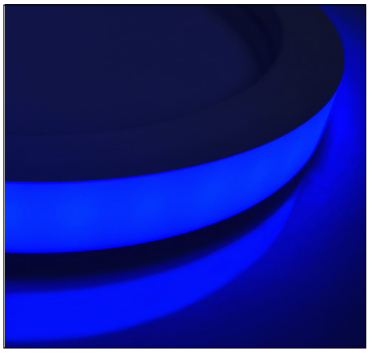
LB-2812-Wi

Output Signal	DMX + WiFi Signal
Power Supply	12-24 VDC

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

Control 3 zones.

LED Tape Light



LB8000-16-RGBW

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RGBW / DMX WiFi

Power Supply

ED-96W-24V-TRIAC-DIM10

ED-192W-24V-TRIAC-DIM10

ED-288W-24V-TRIAC-DIM10

ED-384W-24V-TRIAC-DIM10

DMX Decoder

LB-2108B-M6-3

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

Converter

LB-2817DMX

Output Signal	DMX512 Signal
Voltage	120 VAC
Operating Temperature	0-40°C / 32°F-104°F
Dimensions	7”X1.8”X0.8”

LB-2817DMX

Wall Control

WALL CONTROL

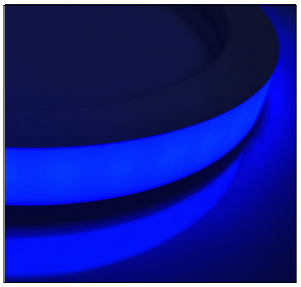
LB-2812-Wi

Output Signal	DMX + WiFi Signal
Power Supply	12-24 VDC

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

Control 3 zones.

LED Tape Light



LB8000-16-RGBW

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RGBW / ELDOLED AC to DC - DMX WiFi

Power Supply

LIN100M1

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

LIN100M1

DMX Converter

LB-2817DMX

Output Signal	DMX512 Signal
Voltage	120 VAC
Operating Temperature	0-40°C / 32°F-104°F
Dimensions	7”X1.8”X0.8”

LB-2817DMX

Wall Control

WALL CONTROL

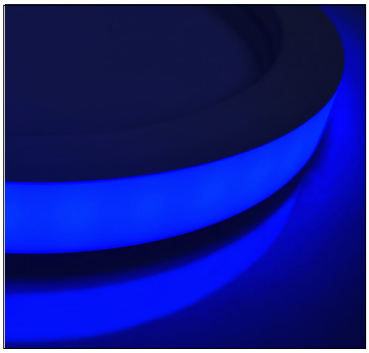
LB-2812-Wi

Output Signal	DMX + WiFi Signal
Power Supply	12-24 VDC

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

Control 3 zones.

LED Tape Light



LB8000-16-RGBW

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RGBW / 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 Control

WALL CONTROL

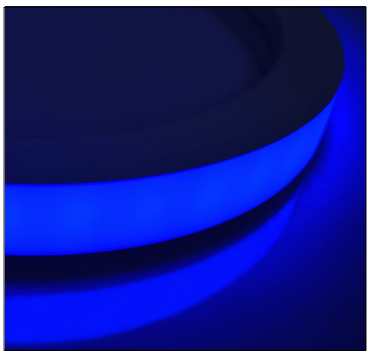
LB-2812-Wi

Output Signal	DMX + WiFi Signal
Power Supply	12-24 VDC

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

Control 3 zones.

LED Tape Light



LB8000-16-RGBW

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RGBW / AC to DC DMX WiFi

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

Converter

LB-2817DMX

Output Signal	DMX512 Signal
Voltage	120 VAC
Operating Temperature	0-40°C / 32°F-104°F
Dimensions	7”X1.8”X0.8”

LB-2817DMX

Wall Control

WALL CONTROL

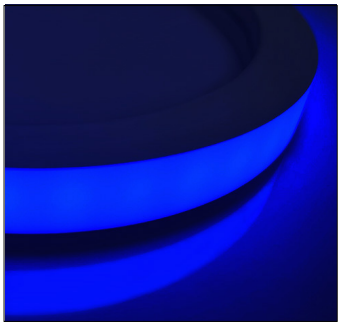
LB-2812-Wi

Output Signal	DMX + WiFi Signal
Power Supply	12-24 VDC

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

Control 3 zones.

LED Tape Light



LB8000-16-RGBW

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RGBW / 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 Control

WALL CONTROL

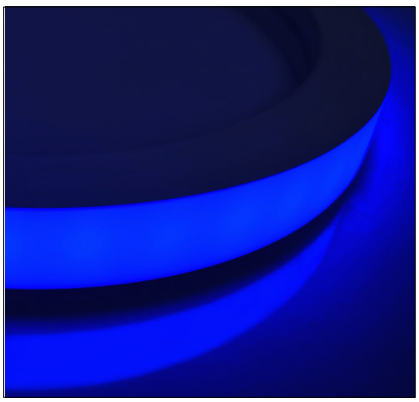
LB-2812-Wi

Output Signal	DMX + WiFi Signal
Power Supply	12-24 VDC

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

Control 3 zones.

LED Tape Light



LB8000-16-RGBW

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LB-2812Wi RGBW DMX512+WiFi Controller

- DMX signal output, complies with standard protocol DMX512(1990), and compatible with DMX decoders from any other suppliers.
- Control 3 zones synchronously and separately.
- Ultra sensitive high strength glass touch panel with touch color wheel.
- Smooth and accurate color tone adjustment by touching the color wheel.
- Independent brightness adjustment of each RGBW channel to achieve millions of colors.
- Works with WiFi using the "Easylighting" App on iOS and Android systems.

Compatible with: **LB-1009EAWI - LB2817DMX - LB2108B-M6-3 - LB-2108-24-96CVF-UL - LinearDrive 100/M.**

TECHNICAL DETAILS

Output Signal	DMX512+WiFi 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"
Color	White

Certifications	FCC / RoHS
Zones	3
Indoor	IP20
Surface	Glass
Control	RGBW color
Warranty	5-Years limited warranty

LB-2820US RGBW Controller

- Touch sensitive.
- Glass interface.
- Compatible with all universal series RF receivers.
- Control RGBW color.
- Control 1 zone/area.

Compatible with: **LB2817DMX - LB2108B-M6-3 - LB-1009EAWI - LinearDrive 100/M.**

TECHNICAL DETAILS

Output Signal	RF Signal
Power Supply	12-24 DC
Power Consumption	< 15 mA
Operating Temperature	0-40°C / 32°F-104°F
Dimensions	2.9"X4.7"X1"
Frequency	916.5MHz
Color	White

Certifications	FCC / RoHS
Zones	1
Indoor	IP20
Surface	Glass
Channels	RGBW
Warranty	5-Years limited warranty

LB-2819S RGBW Remote Controller

- User friendly interface, easy and simple operation.
- Operation return function.
- Control up to 4 zones; each zone can be set with endless receivers. Each receiver can be controlled by a maximum of 8 different remotes.
- Set 3 scenes in each zone.
- Preset 10 changing modes with a pause function.
- One receiver can be paired with a maximum of 8 different remote controls.
- Enable dimming of the brightness for each R, G, B, W channel, allowing the mixing of millions of colors.
- Receivers can work with the WiFi-RF converter using the "Easylighting" app on IOS and Android systems.

Compatible with: **LB2817DMX - LB2108B-M6-3 - LB-1009EAWI.**

TECHNICAL DETAILS

Output Signal	RF Signal
Power Supply	4.5V (3xAAA battery)
Operating Temperature	0-40°C / 32°F-104°F
Dimensions	4.7"X2"X0.66"
Color	Black

Certifications	FCC / RoHS
Zones	Control 4 Zones of RF receivers separately
Frequency	434MHz/869.5MHz/916.5MHz
Rated	IP20
Warranty	5-Years limited warranty

LB-2833N-K5-RGBW RF RGBW Dimmer

RF wireless RGBW Remote can control 1 zone of receiver. This RGBW 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-2817DMX - LB1009EAWI - LB2108B-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-2820US - LB2812Wi - LB2817DMX.**

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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 Current	6x6A
Output Power	6x(72-144)W
Dimensions	7.3”X3.3”X1.6”

Output PWM Frequency	500HZ - 35K HZ settable
Certifications	FCC / RoHS
Color	Black
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

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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.

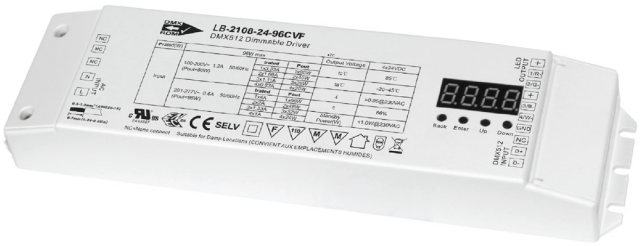
The master converts RF or WiFi signals to DMX signals, enabling wireless control. Easier and more convenient control can be achieved by pairing this RF and WiFi to DMX master with the **RF remote or WiFi controller LB2819S, iOS, and Android devices**.

- 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
Voltage	120 VAC
Operating Temperature	0-40°C / 32°F-104°F
Dimensions	7”X1.8”X0.8”

Certifications	FCC / RoHS
Color	White
Warranty	5 Years limited warranty



LB-2108-24-96CVF-UL DMX512 Dimmable 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	120 VAC
LED Channels	4
Frequency Range	50/60Hz
DC Voltage	24V DC
Dimensions	9.6”X2.5”X1.2”

Rated Power	Max. 96W (no minimum load required)
Certifications	FCC / RoHS
Color	White
Warranty	5 Years limited warranty

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
LED output current	2.8A absolute maximum rating per output
Nominal input voltage range AC	120-250V (ENEC), 120-277V (UL)
Nominal input voltage DC	120-275V

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

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**.