

LB8000-360-RGB Series
Tube linear Flex Neon Light
IP 65



BENDING RADIUS
MIN. Bending radius 2.36" (60mm)



FEATURES

Illuminate your space with **the LB8000-360-RGB Lumi-PRO round dual bend flex neon**. This cutting-edge lighting solution from Elite Lighting. Use our state-of-the-art decoders and controllers, offering versatility and control. Whether you're aiming for a calming blue, a fiery red, or a refreshing green, the LB8000-360-rgb's precise color mixing capabilities will bring your vision to life with finesse.

Moreover, with the option for **ELDO LED Linear drive**, you can further enhance the performance of your lighting design, ensuring a seamless and captivating ambiance for any project. Elevate your lighting experience with the LB8000-360-rgb and explore a spectrum of possibilities.

Max run up to 16.4ft

Indoo/outdoor Location (IP65)

360 degree lighting

Dual bend

Warranty: 5 years for indoor and 3 years for outdoor limited warranty

Color	5.9 W/Ft.	Lm/W.
Red	68 Lm/Ft	21 Lm/W
Green	227 Lm/Ft	64 Lm/W
Blue	43 Lm/Ft	13 Lm/W
RGB	333 Lm/Ft	33 Lm/W

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

LB8000-360-RGB-PC



Plastic clip for ceiling-mounted and wall-mounted installation.

(25 Clips INCLUDED)

LB8000-360-RGB-CMK



Ceiling Kit - 3ft PC groove, customizable up to a length of 9.5ft.

LB8000-360-RGB-GPK



Groove Pendant Kit - 3ft length PC groove, and pendant wire. PC groove customizable up to 9.5ft.

LB8000-360-RGB-HPK



Hook Pendant Kit - 3ft length steel cable and hook.

WL-BCF-4P-WH



Female Barrel Connector with Anti-Wicking Ferrule, 12" Length **attached to the Tape Light.**

WL-BCM-4P-WH

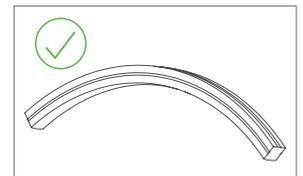
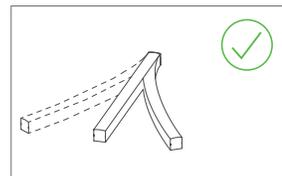


Male Barrel Connector 72" Length **(1 Piece Included)**

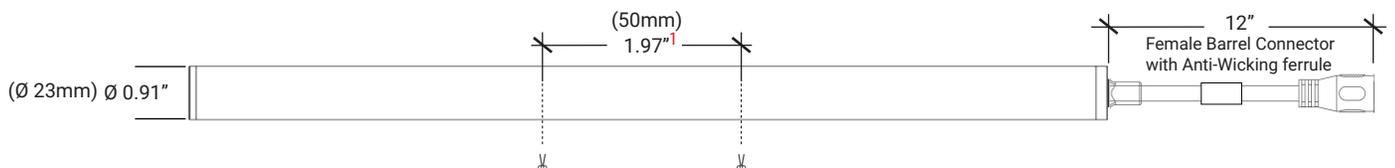
TECHNICAL DETAILS

Power	5.9W/ft
Voltage	24V
IP	IP65
LED Qty	36/ft
Max Run(ft)	16.4 ft
Cutting Length	Every 1.97" ¹
Dimensions	Ø 0.91" X L197"
Working Temp.	-4F / +122F

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

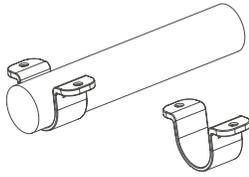


DIMENSIONS

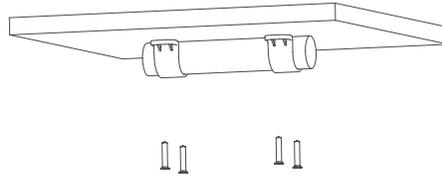


1. For optimal results, we recommend customizing lengths at the factory, as cutting marks may not be easily visible on the body of the FLEX NEON.

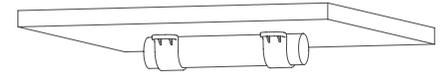
PC Clips



Insert the LB8000-360-RGB into the PC clip.

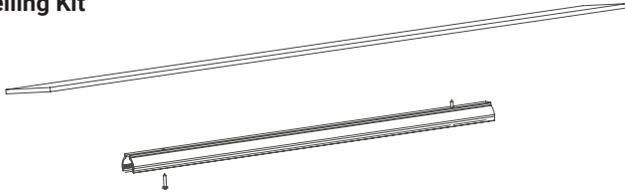


Secure the PC clip to the mounting carrier with screws.



Finished.

Ceiling Kit

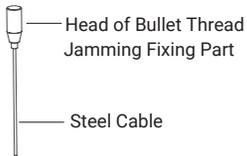


Secure the PC Groove to the mounting carrier with screws.



Insert the LB8000-360-RGB into the PC Groove.

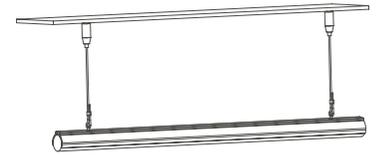
Groove Pendant Kit



Unscrew the end of the bullet-thread jamming fixing part and attach it to the mounting carrier with screws.

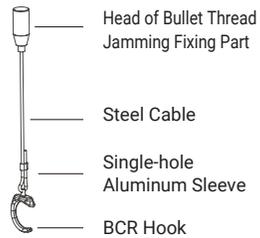


Pass one end of the steel cable through the head of the bullet-thread jamming fixing part, fix it, adjust the height, and then screw both the head and end of the bullet-thread jamming fixing part.



Attach the PC groove to the steel cable, and then install the LB8000-360-RGB into the PC groove.

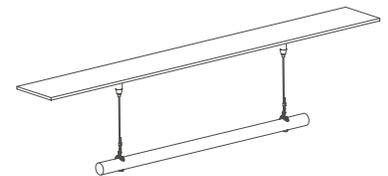
Hook Pendant Kit



Unscrew the end of the bullet-thread jamming fixing part and attach it to the mounting carrier with screws.



Thread one end of the steel cable through the head of the bullet thread jamming fixing part and secure it. Then, pass the other end through the pendant hardware and fasten it with a single-hole aluminum sleeve. Assemble the hook, adjust the height, and screw both ends of the bullet thread jamming fixing part.



Install the LB8000-360-RGB to the hook and complete installation.

ORDERING SELECTION

Example: LB8000-360-RGB-5.9W-16F-24V

SERIES	WATTAGE	LENGTH	VOLTAGE	ACCESSORIES	CONTROLLERS	DRIVER
LB8000-360-RGB	5.9W - 5.9W/ft	16F -16ft / Roll CUS_ -Custom <i>(Cutting length¹ every 1.97")</i>	24V - 24V	LB8000-360-RGB-PC - Plastic Clip LB8000-360-RGB-CMK - Ceiling Kit LB8000-360-RGB-GPK - Groove Pendant Kit LB8000-360-RGB-HPK - Hook Pendant Kit WL-BCF-4P-WH - Female Barrel Connector 12" Length WL-BCM-4P-WH - Male Barrel Connector 72" Length KIT-ACC-LB8000-360-RGB - Accessory Kit (INCLUDED) 25 Plastic Clips, and 1 male barrel connector.	LB-2812Wi - Wall Controller LB-2820US - Wall Controller LB-2819S - Remote Controller LB-2833-K5-RGBW - Wall Dimmer LED25W-24 - Power Supply LB-2108B-M6-5 - DMX Decoder Wired LB-1009EAWI - RF DMX Decoder LB-2108-24-96CVF-UL - DMX Decoder Wired LB-2817DMX - DMX Converter LIN100M1 - Eldo LED Driver	Refer to the next pages for available options.

1. For optimal results, we recommend customizing lengths at the factory, as cutting marks may not be easily visible on the body of the FLEX NEON.

RGB / Wall Controller RF

Power Supply

Voltage in 100V/277V

Voltage out 24V



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 CONTROLLER

LB-2820US

Output Signal	RF Signal
Power Supply	12-24 DC



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

Wall Control



Control 1 zone.

LED Tape Light



LB8000-360-RGB

RGB / Remote Controller RF

Power Supply

Voltage in 100V/277V

Voltage out 24V



ED-96W-24V-TRIAC-DIM10



ED-192W-24V-TRIAC-DIM10



ED-288W-24V-TRIAC-DIM10

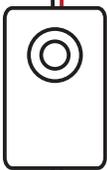
LED Receiver

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



LB8000-360-RGB

RGB / Wall Dimmer Controller RF

Power Supply

Voltage in 100V/277V

Voltage out 24V



ED-96W-24V-TRIAC-DIM10



ED-192W-24V-TRIAC-DIM10



ED-288W-24V-TRIAC-DIM10

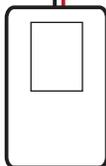
LED Receiver

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



LB8000-360-RGB

RGB / DMX Wired

Power Supply

Voltage in 100V/277V

Voltage out 24V



ED-96W-24V-TRIAC-DIM10



ED-192W-24V-TRIAC-DIM10



ED-288W-24V-TRIAC-DIM10



ED-384W-24V-TRIAC-DIM10

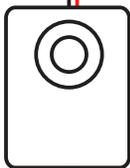
DMX Decoder

LB-2108B-M6-5

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



LB-2108B-M6-5



Wall Control

WALL CONTROLLER

LB-2812Wi

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



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



Control 3 zones.

LED Tape Light



LB8000-360-RGB

RGB / DMX WiFi

Power Supply

Voltage in 100V/277V

Voltage out 24V



ED-96W-24V-TRIAC-DIM10



ED-192W-24V-TRIAC-DIM10



ED-288W-24V-TRIAC-DIM10



ED-384W-24V-TRIAC-DIM10

DMX Decoder

LB-2108B-M6-5

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



LB-2108B-M6-5

Converter

LB-2817DMX

Output Signal	DMX512 Signal
Voltage	12-24 VDC
Operating Temperature	0-40°C / 32°F-104°F
Dimensions	7"X1.8"X0.8"



LED25W-24
(Power Supply)



LB-2817DMX

WALL CONTROLLER

LB-2812Wi

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



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



Control 3 zones.

Wall Control

LED Tape Light



LB8000-360-RGB

RGB / ELDOLED AC to DC - DMX WiFi

Power Supply

Voltage in 100V/277V

Voltage out 24V

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	12-24 VDC
Operating Temperature	0-40°C / 32°F-104°F
Dimensions	7"X1.8"X0.8"



LED25W-24
(Power Supply)



LB-2817DMX

WALL CONTROLLER

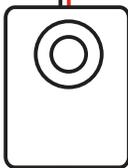
LB-2812Wi

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



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

Control 3 zones.



Wall Control

LED Tape Light



LB8000-360-RGB

RGB / ELDOLED AC to DC - DMX Wired

Power Supply

Voltage in 100V/277V

Voltage out 24V

LIN100M1

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

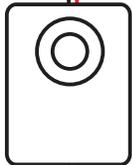


LIN100M1

WALL CONTROLLER

LB-2812Wi

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



Wall Control



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



Control 3 zones.

LED Tape Light



LB8000-360-RGB

RGB / AC to DC DMX WiFi

Power Supply

Voltage in 100V/277V

Voltage out 24V

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	12-24 VDC
Operating Temperature	0-40°C / 32°F-104°F
Dimensions	7"X1.8"X0.8"



LED25W-24
(Power Supply)



LB-2817DMX

WALL CONTROLLER

LB-2812Wi

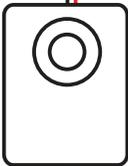
Output Signal	DMX + WiFi Signal
Power Supply	12-24 VDC



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



Control 3 zones.



Wall Control

LED Tape Light



LB8000-360-RGB

RGB / AC to DC - DMX Wired

Power Supply

Voltage in 100V/277V

Voltage out 24V

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"

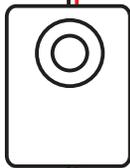


LB-2108-24-96CVF-UL

WALL CONTROLLER

LB-2812Wi

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



Wall Control



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



Control 3 zones.

LED Tape Light



LB8000-360-RGB



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.

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.

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.

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



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



LB-2108B-M6-5 DMX512 & RDM Decoder

The **LB-2108B-M6-5** 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



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, iOS, and Android devices**.

- User friendly interface, easy and simple operation.
- Operation return 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	12-24 VDC
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



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"