



Item #

Project



DI-LGP-4

Voltage	12VDC or 24VDC
CCT	2400K, 2700K, 3000K, 3500K, 4000K, 5000K, 6500K, RGB, RGBW, Tunable White
Dimmable	Yes
Diffusion	Premium Diffused or Clear
Maximum Dimensions	94 x 54 in. (L x W)
Environment¹	Indoor / Dry Location
Certification	UL Listed 48
Warranty	5-Year Warranty

FEATURES

- Most popular sign lighting solution
- Customizable to your specifications
- Provides bright, even lighting
- Premium diffused, no hot spots
- Great for: Display lighting, elevator signage, back-lit counter tops, walls, ceilings, cosmetics, product & retail displays, wall art



MADE IN USA

WITH FOREIGN PARTS

SKU Builder

DI	-	LGP4	-		-		-		-		-					
Voltage		CCT			Dimensions L x W (in)		Diffusion	Edges	Lit	Frame Color	Lead Wire					
12V	24V	24	35	65			PD	1	Width ≤ 16"	SL	Color	Color	Length (in.)	Gauge	Type	Exit
		27	40	TW			CL	2	16.1"-36"	WH		BL		20	FDC	SD
		30	50					4	> 36"			WH		24	BW	BK
		RGB RGBW														

LED LIGHT GUIDE PANEL

SPECIFICATION SHEET

MADE IN USA (WITH FOREIGN PARTS) OPTIONS:



MADE IN USA

WITH FOREIGN PARTS

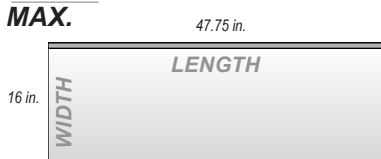
ONE EDGE LIT

From (2.5 x 2.5) to (16 x 47.75) in. (W x L)

MIN.



MAX.



- White/Silver frame
- Bare lead or DC Barrel plug connection with Black or White wire up to 20 AWG.
- Panels up to 47.75 x 47.75 in.¹
- Static White CCTs
- 80+ CRI
- Diffused panels
- Clear panels

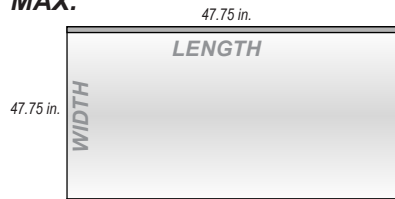
TWO EDGES LIT

From (4.5 x 4.5) to (47.75 x 47.75) in. (W x L)

MIN.



MAX.



DESIGNED IN USA, MANUFACTURED ABROAD OPTIONS:

- White/Silver frame
- Panels up to 54 x 94 in.
- One edge lit panel with any side less than 2.5 in.³
- Two edges lit panel with any side less than 4.5 in.³
- RGB/RGBW/Tunable White
- Specialty CCTs
- 80+ or 90+ CRI
- Diffused panels
- Clear panels
- Snap Frames (Silver, Black, & White color options)
- Four edges lit panels²

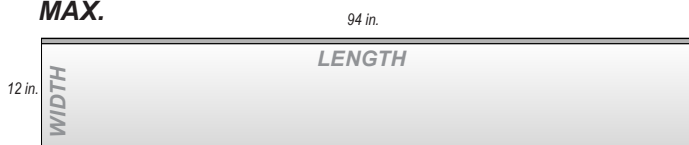
ONE EDGE LIT

From (2.5 x 46.6) to (16 x 94) in. (W x L)

MIN.



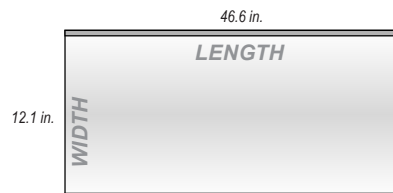
MAX.



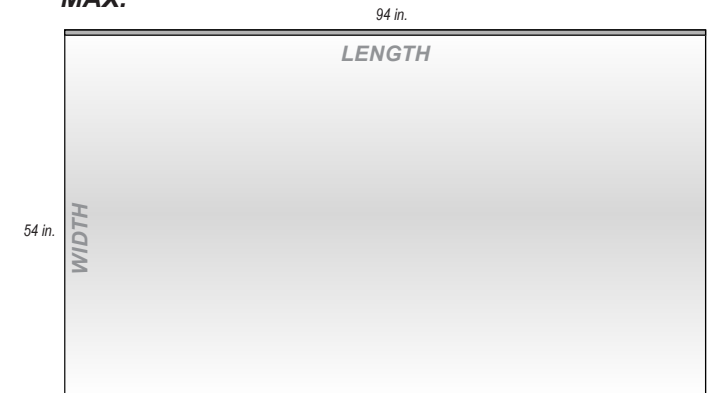
TWO EDGES LIT

From (16.1 x 46.6) to (54 x 94) in. (W x L)

MIN.



MAX.



1. It is recommended that any panel with its width exceeding 16" should be double edge lit.

2. If Panel is a square and exceeding 36" it is recommended to have all four edges lit.

LED LIGHT GUIDE PANEL

SPECIFICATION SHEET

COMPLIANCE & REGULATORY APPROVALS

Safety

- UL Listed 48, Electrical Signs. CSA C22.2 No. 207 Certified for United States and Canada. E497870

Performance

- LED chip data measured in accordance to IES LM-80-08.
- Photometric & Colorimetry data measured in accordance to IES LM-79-08, in Elemental LED's Innovation Lab.
- Environment: Indoor / damp location
- UV Resistance: None

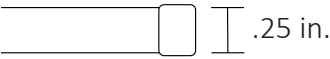
COMPATIBLE DRIVERS

Additional information on compatible Drivers can be found on page 4-7 or on the Diode LED web site at: www.DiodeLED.com.

MECHANICAL DIAGRAMS

Width

(Custom dimension options on page 2)



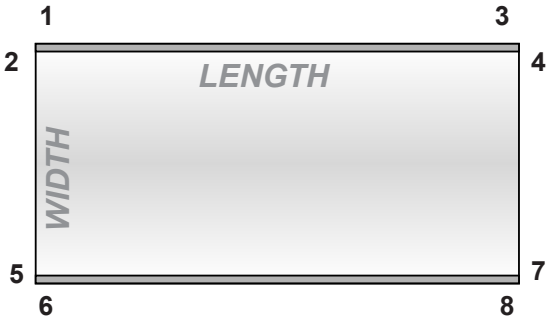
CONNECTIONS

- Made in USA with Foreign Parts: Side exit only
- Designed in USA, Manufactured Abroad: Side or back exit
- Wire gauge: 20 or 24 AWG
- Female DC White wire length: Black or White, 96" max.

One edge lit panel wire entry options



Two edges lit panel wire entry options



PHOTOMETRICS

PANEL SIZE						Lumens/ft ²
Edges Lit		12" x 12"	24" x 24"	24" x 48"	48" x 48"	
	1	232	132	143	X	
	2	379	255	247	X	
	4	733	437	345	388	

3. Do not install in environment where LED light panels are exposed to direct sunlight as damage to the acrylic will occur.
4. Wire leads and accessories are not rated for in-wall installation unless otherwise noted.

LED LIGHT GUIDE PANEL

SPECIFICATION SHEET

COMPATIBLE PRODUCTS

LED DRIVERS Cont. (Required)

The following Listed LED Drivers are recommended to meet NEC code when installed according to specifications. For additional LED Driver options see Diode LED's product page at: <https://www.diodeled.com/products/led-power-supplies.html>

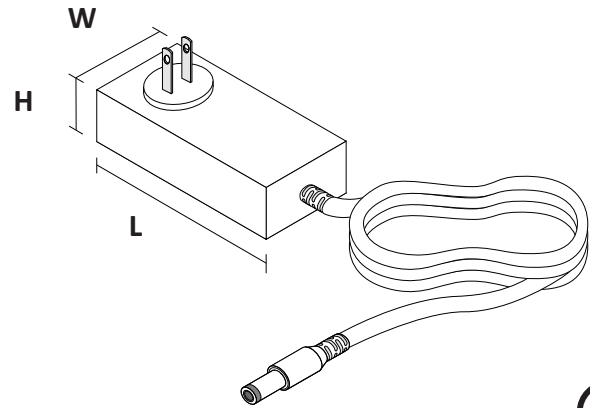
PLUG-IN ADAPTERS

Plug-In Adapters allow for a simple installation by plugging into a standard 120-Volt receptacle. Compatible with inline Switches and Dimmers.

Voltage & Power Output	
DI	
PA-12V60W-CL2-* - 12V 60W	
PA-24V96W-CL2-* - 24V 96W	

SKU	L - LENGTH	W - WIDTH	H - HEIGHT
PA-24V96W-CL2-*	4.70 in.	2.00 in.	1.25 in.

* Available in Black or White. Add a **B** for Black or **W** for White.

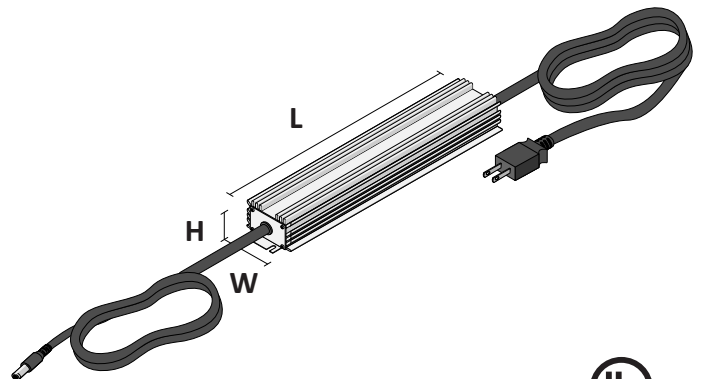


BUNKR COMMERCIAL GRADE PLUG-IN DRIVER

Plug-In Adapters allow for a simple installation by plugging into a standard 120-Volt receptacle. Compatible with inline Switches and Dimmers.

Voltage & Power Output	
DI	
PA-BKR-12V60W - 12V 60W	
PA-BKR-24V90W - 24V 90W	

SKU	L - LENGTH	W - WIDTH	H - HEIGHT
DI-PA-BKR-12V60W	6.79 in.	1.73 in.	1.07 in.
DI-PA-BKR-24V90W	6.79 in.	1.73 in.	1.07 in.



LED LIGHT GUIDE PANEL

SPECIFICATION SHEET

LED DRIVERS (Required)

The following Listed LED Drivers are recommended for compatibility and to meet NEC code when installed according to specifications. For additional LED Driver options see Diode LED's product page at: <https://www.diodeled.com/products/led-power-supplies.html>

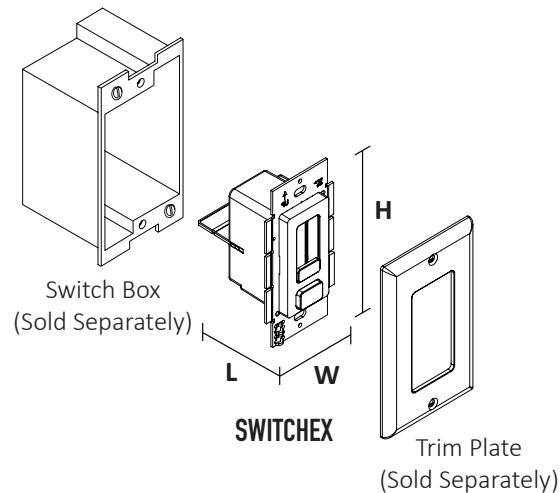
SWITCHEX® DRIVER + DIMMER SWITCH

SWITCHEX combines an LED driver and LED dimmer switch into a single integrated unit. Fits into standard switch boxes.



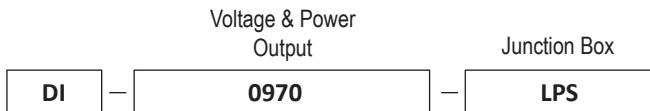
SKU	L - LENGTH	W - WIDTH	H - HEIGHT
DI-12V-SE-40W	1.40 in.	2.10 in.	4.10 in.
DI-12V-SE-60W	1.40 in.	2.10 in.	4.10 in.
DI-24V-SE-60W	1.40 in.	2.10 in.	4.10 in.
DI-24V-SE-100W	1.40 in.	2.10 in.	4.10 in.

Fits in Standard Switch Box

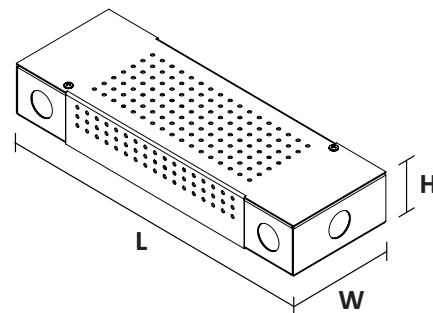


LO-PRO® JUNCTION BOX & DRIVER COMBO - 24V CONSTANT VOLTAGE LED DRIVER

Use Constant Voltage Drivers to power your lighting system. Compatible with Standard 120VAC On/Off Switches, REIGN® Low Voltage Dimmers, TOUCHDIAL™ Control System, DMX Decoders, and PWM Controls.

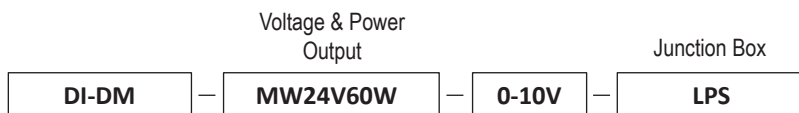


SKU	L - LENGTH	W - WIDTH	H - HEIGHT
DI-0970-LPS	11.25 in.	3.75 in.	1.90 in.
DI-CV-MW24V60W-277-LPS	11.25 in.	3.75 in.	1.90 in.
DI-CV-MW24V90W-277-LPS	11.25 in.	3.75 in.	1.90 in.
DI-0954-LPL	13.5 in.	4.5 in.	2.37 in.

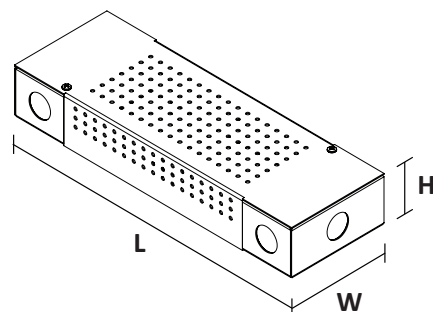


LO-PRO® JUNCTION BOX & DRIVER COMBO - 24V COMMERCIAL GRADE 0-10V LED DIMMABLE DRIVER

Compatible with 0-10V controls and dimming systems.



SKU	L - LENGTH	W - WIDTH	H - HEIGHT
DI-DM-MW24V60W-0-10V-LPS	11.25 in.	3.75 in.	1.90 in.
DI-DM-MW24V90W-0-10V-LPL	13.5 in.	4.5 in.	2.37 in.



LED LIGHT GUIDE PANEL

SPECIFICATION SHEET

LED DRIVERS CONT. (Required)

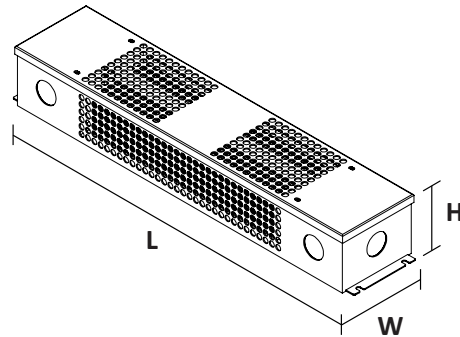
The following Listed LED Drivers are recommended for compatibility and to meet NEC code when installed according to specifications. For additional LED Driver options see Diode LED's product page at: <https://www.diodeled.com/products/led-power-supplies.html>

OMNIDRIVE® 2 ELECTRONIC DIMMABLE LED DRIVER

OMNIDRIVE 2 features a zero minimum load and 100-5% dimming range. Compatible with Forward Phase and Reverse Phase Dimmers. Please see Diode LED's Compatibility List at: <https://www.diodeled.com/custom/download/productFile/filename/DI-OD2-Compatibility%20List.pdf>

Voltage & Power Output		
DI	—	OD2
24V24W		

SKU	L - LENGTH	W - WIDTH	H - HEIGHT
DI-OD2-24V24W	13.75 in.	3.00 in.	1.60 in.
DI-OD2-24V60W	13.75 in.	3.00 in.	1.60 in.
DI-OD2-24V96W	15.00 in.	3.10 in.	2.40 in.
DI-OD2-24V120W	15.00 in.	3.10 in.	2.40 in.
DI-OD2-24V200W	16.10 in.	3.40 in.	2.40 in.

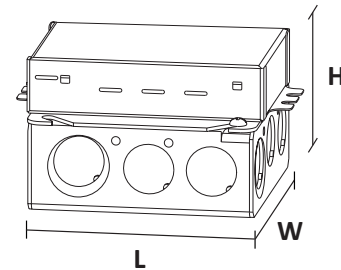


LUTRON® Hi-lume 1% LED DIMMABLE DRIVER

Hi-lume 1% LED Driver has a minimum load of 5W and dims from 100-1%.

Voltage & Power Output			3-Wire or 2-Wire Dimmers
DI-DM	—	24V40W	L3D

SKU	L - LENGTH	W - WIDTH	H - HEIGHT
DI-DM-24V40W-L3D	4.89 in.	4.00 in.	2.62 in.
DI-DM-24V40W-LTE			

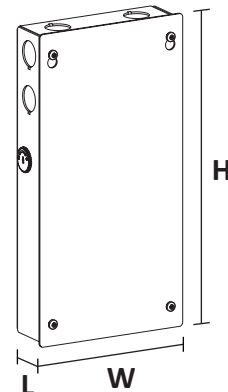


LUTRON® Hi-lume Premier 0.1% LED DIMMABLE DRIVER

Hi-Lume Premier 0.1% LED Driver has a minimum load of 5W and dims from 100-0.1%.

Voltage & Power Output		
DI-DM	—	24V96W
L3D		

SKU	L - LENGTH	W - WIDTH	H - HEIGHT
DI-DM-24V96W-L3D	5.50 in.	2.20 in.	10.50 in.



LED LIGHT GUIDE PANEL

SPECIFICATION SHEET

LED DRIVERS (Required)

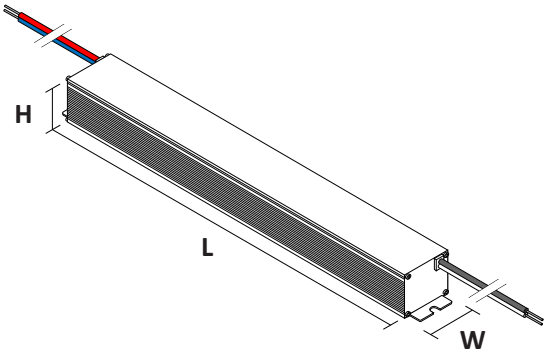
The following Listed LED Drivers are recommended to meet NEC code when installed according to specifications. For additional LED Driver options see Diode LED's product page at: <https://www.diodeled.com/products/led-power-supplies.html>

VLM SERIES CONSTANT VOLTAGE DRIVER

Use Constant Voltage Drivers to power your low voltage tape light. Compatible with Standard 120VAC On/Off Switches, REIGN® 12-24V Low Voltage Dimmers, TOUCHDIAL™ Control System, DMX Decoders, and PWM Controls.

VLM		-	24
Wattage		Voltage	
60W			
100W			

SKU	L - LENGTH	W - WIDTH	H - HEIGHT
VLM60W-24	5.1 in.	.75 in.	.77 in.
VLM100W-24	5.38 in.	1 in.	.77 in.



ADDITIONAL INFORMATION

- LED LIGHT GUIDE PANEL Installation Guide

SAFETY / WARNINGS / DISCLOSURES

1. Install in accordance with national and local electrical code regulations.
2. This product is intended to be installed and serviced by a qualified, licensed electrician.
3. Only install with a Class 2 DC Constant Voltage LED driver. This product has not been evaluated for use when connected to an LED driver that does not comply with Class 2 voltage and energy limited supplies.
4. Only use copper wiring. Use wires rated for at least 176°F (80°C) and certified for use with external connection of electrical equipment.
5. Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.
6. Tape light, attached wire leads, and additional extension cables, connectors, etc., are not rated for in-wall installation unless otherwise noted. Tape light and attached wire leads are field-cuttable.
7. Ensure applicable wire is installed between driver, fixture, and any controls in-between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.). Inadequate wire installation could overheat wires, and cause fire.
8. Do not install in environment where LED chips are exposed to direct sunlight as damage to the phosphor will occur.
9. Do not install in environment where excessive heat may exist (ex. close proximity to fireplace, etc.) See Ambient Temperature ratings
10. Do not install indoor LED tape light products in outdoor / wet location environments. Only wet location tape light models are rated for outdoor / wet locations.
11. Do not modify product beyond instructions or warranty will be void.
12. Tape light must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
13. Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.
14. We reserve the right to modify and improve the design of our fixtures without prior notice. We cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.

WARRANTY

Limited Warranty

This product has a five (5) year limited warranty from the date of shipment. This warranty does not include the additional accessories referenced in this specification sheet. Complete warranty details for fixtures and additional accessories are available at www.diodeled.com/limited-warranty/ within the Policies section. For warranty related questions please contact product support.

Consumer's Acknowledgment

Elemental LED, Inc. stands behind its products when they are used properly and according to our specifications. By purchasing our products, the purchaser agrees and acknowledges that lighting design, configuration and installation is a complex process, wherein seemingly minor factors or changes in layout and infield adjustments can have a significant impact on an entire system. Choosing the correct components is essential. Elemental LED is able to work with the original purchaser to make an appropriate product selection to the extent of the limited information that the customer can provide, but it is virtually impossible for Elemental LED to design a system that foresees every unknown factor. For this reason, this Warranty does not cover problems caused by improper design, configuration or installation issues. Any statement from an Elemental LED employee or agent regarding a customer's bill of goods and/or purchase order is NOT an acknowledgment that the products purchased are designed and configured correctly. The purchaser agrees and acknowledges that it is the customer's responsibility to adhere strictly to all information contained in the Product Specification Sheets.

There is often more than one way to design, configure and layout an LED lighting application properly to achieve the same lighting effect. Elemental LED strongly recommends that licensed professionals be used in the design and installation of lighting systems that include Elemental LED products. The specifications include important information that a designer and installer should carefully review and strictly follow. Qualified designers and certified and/or licensed installers, with access to the final installation environment, customer goals, and Elemental LED product specifications can make the requisite decisions appropriate for a successful finished lighting application.