

COMMERCIAL GRADE PLUG-IN ADAPTER

Driver for on/off, PWM dimming, and color-changing applications.

Date _____

Project Notes _____



FEATURES

- 24 Volt / 96 Watt
- Black Finish
- Short circuit, over current, over voltage, over temperature protections
- Fanless design / cooling by free-air convection
- UL Listed 1310 Class 2
- For use with commercial applications



ORDERING CODES

Driver Only

Model	Voltage/Wattage	Series	Color	Grade
DI				
PA	24V96W (24 Volt / 96 Watt) 12V60W (12 Volt / 60 Watt)	CL2	B (Black)	CG (Commercial Grade)

RECOMMENDED TAPE LIGHTS

- ALPHATECH® X
- BLAZE™
- BLAZE™ COLORS
- BLAZE™ MINI
- BLAZE™ WET LOCATION
- BLAZE™ X
- BLAZE™ X WET LOCATION
- NEON BLAZE™
- NEON BLAZE™ MINI
- STREAMLITE™
- STREAMLITE™ ECO
- STREAMLITE™ PIXEL RGBW
- STREAMLITE™ RGBW
- STREAMLITE™ RGBW WET LOCATION
- STREAMLITE™ TUNABLE WHITE
- STREAMLITE™ WET LOCATION
- VALENT®
- VALENT® RGBTW
- VALENT® WARM DIM
- VALENT® WARM DIM WET LOCATION
- VALENT® WET LOCATION
- VALENT® X
- VALENT® X TUNABLE WHITE
- VALENT® X WET LOCATION

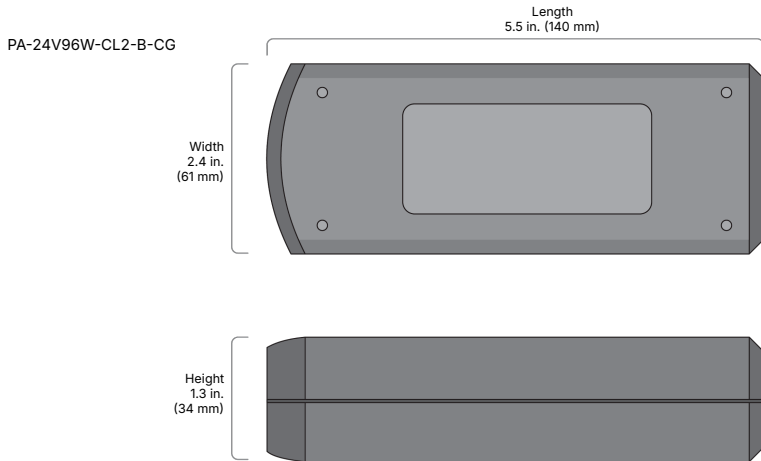
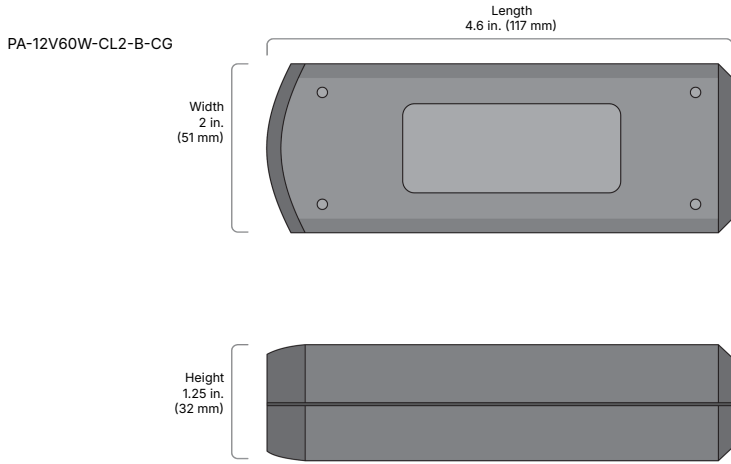
GENERAL SPECIFICATIONS (ALL MODELS)

Input Voltage / Frequency	100-240V, 50-60 Hz
Efficiency	93% / PF>0.9
Class 2	Yes
Ambient Temperature	-22 - 158°F (-30 - +70°C)
Operating Temperature	-4 - 122°F (-20 - +50°C)
Minimum Load	No Minimum Load
Dimmable	PWM
Input Connection Type	Wire
Lead Wire A	60 inch AC Cable with 1-15P Plug
Output Connection Type	Wire
Lead Wire B	60 inch Male DC Barrel Connector, 2.1 x 5.5mm
Internal Protection	Auto Reset Hiccup
Environment	Indoor / Damp Location (IP20)
Working Humidity	5 - 95% RH non-condensing
Certification	UL Listed
Warranty	3 Year

DETAILED SPECIFICATIONS

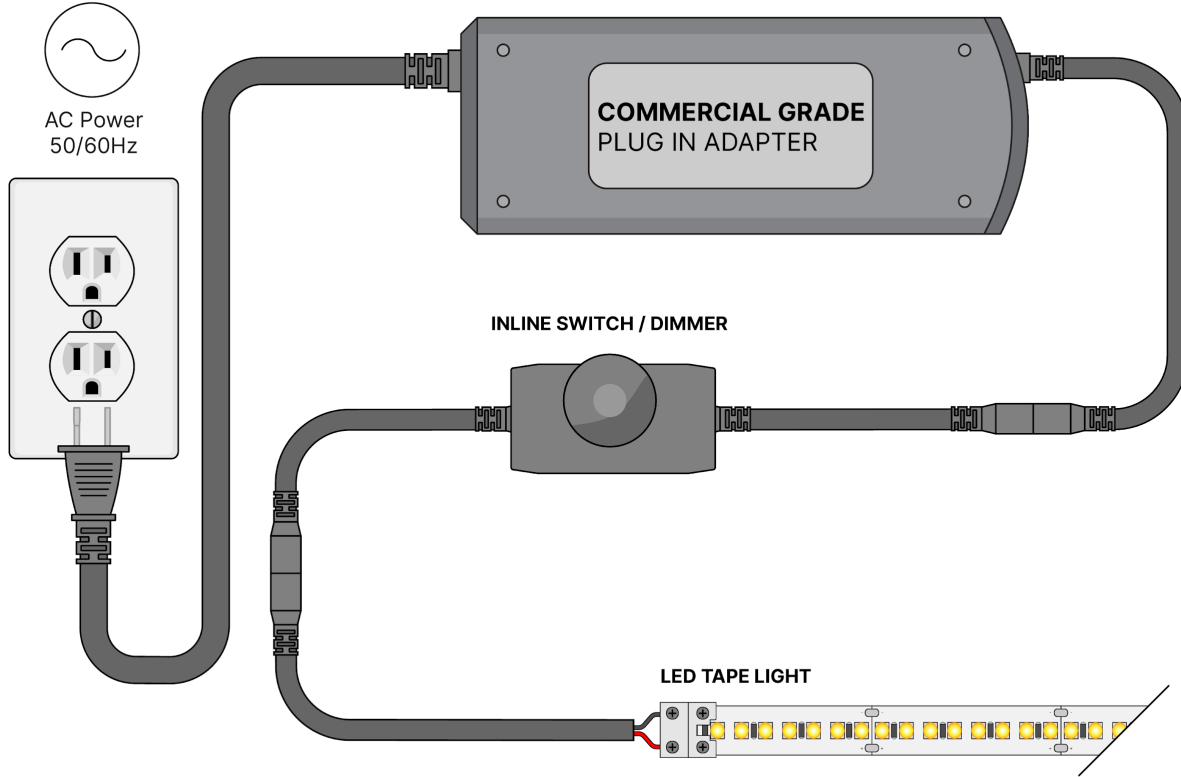
	PA-12V60W-CL2-B-CG	PA-24V96W-CL2-B-CG
Maximum Load	60W	96W
Output Voltage	12VDC	24VDC
Dimensions	4.6 x 2 x 1.25 in. (L x W x H)	5.5 x 2.4 x 1.3 in. (L x W x H)

MECHANICAL DIAGRAMS



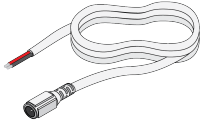
SYSTEM DIAGRAMS

INLINE SWITCH / DIMMER System Diagram

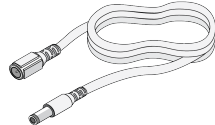


ACCESSORIES

DI-PVC2464-DL42-SPL-F
Adapter Splice Cable - Female, White, 42 in.



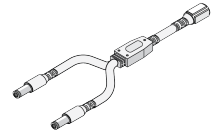
DI-0708
DC Extension Cable - White, 39 in.



DI-0708B
DC Extension Cable - Black, 39 in.



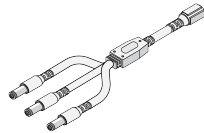
DI-0720
DC Splitter: 2-Way - White



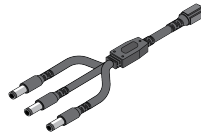
DI-0720B
DC Splitter: 2-Way - Black



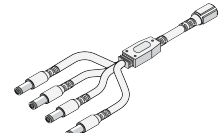
DI-0705
DC Splitter: 3-Way - White



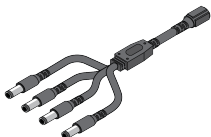
DI-0705B
DC Splitter: 3-Way - Black



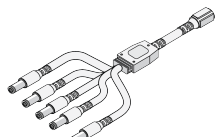
DI-DCSP4
DC Splitter: 4-Way - White



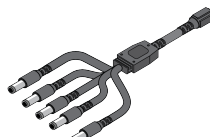
DI-DCSP4B



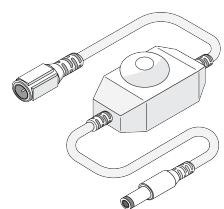
DI-0707
DC Splitter: 5-Way - White



DI-0707B
DC Splitter: 5-Way - Black



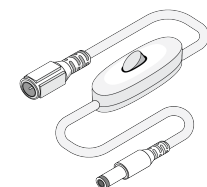
DI-INLINE-DS-5A-W
Inline Dimmer Switch, 5 Amp, White



DI-INLINE-DS-5A-B
Inline Dimmer Switch, 5 Amp, Black



DI-INLINE-OS-5A-W
Inline On/Off Switch, 5 Amp, White



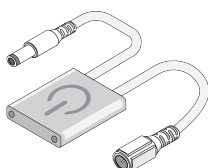
DI-INLINE-OS-5A-B
Inline On/Off Switch, 5 Amp, Black



DI-1710
Infrared LED On/Off Switch



DI-1711
LIGHTTOUCH LED Dimmer Switch



CERTIFICATIONS

Safety

- cULus (US & Canada) Listed, UL # E477211. ANSI/UL 1310. CAN/CSA-C22.2 No.250.13. Class 2 Power Units

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 use copper wiring. Use wires rated for at least 176°F (80°C) and certified for use with external connection of electrical equipment.
4. Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.
5. 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.
6. 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.
7. Do not install in environment where excessive heat may exist (ex. close proximity to fireplace, etc.) See Ambient Temperature ratings.
8. 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.
9. Do not modify product beyond instructions or warranty will be void.
10. Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.
11. 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

- 3 Year limited warranty

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 a 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 purchase 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.