COMMERCIAL GRADE PLUG-IN ADAPTER 24V

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

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

ORDERING CODES
Driver and optional Junction Box

<table>
<thead>
<tr>
<th>Diode LED</th>
<th>Model</th>
<th>Voltage/Wattage</th>
<th>Class</th>
<th>Color</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA</td>
<td>24V96W</td>
<td>24 Volt / 96 Watt</td>
<td>C.L2</td>
<td>B (Black)</td>
<td>C.G (Commercial Grade)</td>
</tr>
</tbody>
</table>

RECOMMENDED TAPE LIGHTS
Inquire for Tape Lights not listed

- AlphaTECH® X
- BLAZE®
- BLAZE® COLORS
- BLAZE® ECO
- BLAZE® ECO Wet Location
- BLAZE® Mini
- BLAZE® Wet Location
- STREAMLITE®
- VALENT®
- VALENT® Warm Dim
- VALENT® Warm Dim Wet Location
- VALENT® Wet Location
- VALENT® X

24V COMMERCIAL GRADE PLUG-IN ADAPTER - SPECIFICATION TABLE

<table>
<thead>
<tr>
<th>Models</th>
<th>PA-24V96W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage / Frequency</td>
<td>100-240V, 50-60 Hz</td>
</tr>
<tr>
<td>Maximum Load</td>
<td>96W</td>
</tr>
<tr>
<td>Output Voltage</td>
<td>24VDC</td>
</tr>
<tr>
<td>Efficiency</td>
<td>93% / PF&gt;0.9</td>
</tr>
<tr>
<td>Class 2</td>
<td>Yes</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>-22 - 158°F (-30 - +70°C)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-4 - 122°F (-20 - +50°C)</td>
</tr>
<tr>
<td>Minimum Load</td>
<td>No Minimum Load</td>
</tr>
<tr>
<td>Dimmable</td>
<td>PWM</td>
</tr>
<tr>
<td>Input Connection Type</td>
<td>Wire</td>
</tr>
<tr>
<td>Lead Wire A</td>
<td>72 inch AC Cable with 1-15P Plug</td>
</tr>
<tr>
<td>Output Connection Type</td>
<td>Wire</td>
</tr>
<tr>
<td>Lead Wire B</td>
<td>72 inch Male DC Barrel Connector, 2.1 x 5.5mm</td>
</tr>
<tr>
<td>Circuit Breakers</td>
<td>Auto Reset Hiccup</td>
</tr>
<tr>
<td>Environment</td>
<td>Indoor / Damp Location (IP20)</td>
</tr>
<tr>
<td>Working Humidity</td>
<td>5 - 95% RH Non-condensing</td>
</tr>
<tr>
<td>Dimensions</td>
<td>5.5 x 2.4 x 1.4 in. (L x W x H)</td>
</tr>
<tr>
<td>Warranty</td>
<td>3 Year</td>
</tr>
</tbody>
</table>
COMMERCIAL GRADE PLUG-IN ADAPTER 24V

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

MECHANICAL DIAGRAMS

PA-24V96W

5.5 in. (140 mm)

2.4 in. (61 mm)

1.4 in. (36 mm)

SYSTEM DIAGRAM

INLINE SWITCH / DIMMER

AC Power 50/60Hz

COMMERICAL GRADE PLUG IN ADAPTER

INLINE SWITCH / DIMMER

LED TAPE LIGHT
COMMERCIAL GRADE PLUG-IN ADAPTER

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

ACCESSORIES

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

**DI-PVC2464-DL42-SPL-F-B**
Adapter Splice Cable - Female, Black, 39 in.

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

**DI-0708B**

**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-0707**
DC Splitter: 5-Way - White

**DI-0707B**
DC Splitter: 5-Way - Black
Driver for on/off, PWM dimming, and color-changing applications.

**SWITCHES / DIMMERS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Image 1</th>
<th>Image 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIINLINE-DS-5A-W</td>
<td>Inline Dimmer Switch, 5 Amp, White</td>
<td><img src="image1" alt="Image" /></td>
<td><img src="image2" alt="Image" /></td>
</tr>
<tr>
<td>DIINLINE-DS-5A-B</td>
<td>Inline Dimmer Switch, 5 Amp, Black</td>
<td><img src="image1" alt="Image" /></td>
<td><img src="image2" alt="Image" /></td>
</tr>
<tr>
<td>DIINLINE-OS-5A-W</td>
<td>Inline On/Off Switch, 5 Amp, White</td>
<td><img src="image1" alt="Image" /></td>
<td><img src="image2" alt="Image" /></td>
</tr>
<tr>
<td>DIINLINE-OS-5A-B</td>
<td>Inline On/Off Switch, 5 Amp, Black</td>
<td><img src="image1" alt="Image" /></td>
<td><img src="image2" alt="Image" /></td>
</tr>
<tr>
<td>DI1710</td>
<td>Infrared LED On/Off Switch</td>
<td><img src="image1" alt="Image" /></td>
<td><img src="image2" alt="Image" /></td>
</tr>
<tr>
<td>DI1711</td>
<td>LIGHTTOUCH LED Dimmer Switch</td>
<td><img src="image1" alt="Image" /></td>
<td><img src="image2" alt="Image" /></td>
</tr>
</tbody>
</table>
Lumen value measured in accordance to IES LM-80-08. LED chips have a luminous flux range with a tolerance of +/- 5%.

Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length. Max run may exceed Class 2 limit. Actual wattage may differ from calculated wattage due to voltage drop across electrical equipment.

Certifications:
- 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.

Limited Warranty:
- 3 Years

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 in-field 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.