SAFETY & WARNINGS

1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS
2. Install in accordance with national and local electrical code regulations.
3. This product is intended to be installed and serviced by a qualified, licensed electrician.
4. Do not use if there is any damage to fixture or wiring. Inspect periodically.
5. Do not submerge fixture in liquids or use the product in the vicinity of standing water or other liquids.
6. Do not install near areas with exposure to salt water or chlorinated water.
7. Do not install in direct sunlight or damage to the LED phosphor will occur.
8. Do not attempt to fix this product in the field.
9. Failure to follow safety warnings and installation instructions will void the warranty for this product.
10. Light Guide Panels are not load bearing. Do not use to hold objects, as a shelf, or as a support.

QUICK SPECS / MODELS

<table>
<thead>
<tr>
<th>SKU</th>
<th>DI-LGP-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>24VDC or 12VDC</td>
</tr>
<tr>
<td>Ambient Temp †</td>
<td>-4° - 140°F (-20° - 60°C)</td>
</tr>
</tbody>
</table>

† Do not install product in environment outside listed temperature.

*NOT FOR USE IN SUBMERSIBLE APPLICATIONS, OR WITHIN 5 FEET OF A SWIMMING POOL.

Note: Handle panels larger than 24 x 36 in. vertically or frame may bend. Prior to installation, ensure all components create a compatible system. Configure and pre-test your LED system prior to permanent installation to ensure all components are operating correctly.
1. Phillips-head Screwdriver
2. Wire Stripper
3. (4-8) Mirror Clips and Screws per panel

**REQUIRED TOOLS**

**INSTALLATION**

1. **TURN POWER OFF AT CIRCUIT BREAKER**

   SHOCK HAZARD! May result in serious injury or death.
   Turn power OFF at circuit breaker prior to installation.

2. **DETERMINE LOCATION TO INSTALL COMPONENTS**

   Refer to SYSTEM DIAGRAMS

   1) Compatible Control  2) Driver  3) Fixture

**WIRE GAUGE & VOLTAGE DROP**

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.)
MOUNT LED LIGHT GUIDE PANEL TO SURFACE

Using mirror clips, (not included) mount panel to surface as you would a mirror.

MULTIPLE PANEL MOUNTING

To achieve even light distribution, install a diffuser or place the graphic image a reasonable distance from the panel. Distance will vary as each panel is built to custom specifications.

ATTACH DRIVER AND LIGHTING CONTROL.

Verify a compatible driver is installed. Utilize applicable wiring when installing outdoors. (Use of wet location-rated junction box recommended)

TURN POWER ON AT CIRCUIT BREAKER

TROUBLESHOOTING

<table>
<thead>
<tr>
<th>Shift in brightness and/or kelvin</th>
<th>• Ensure an appropriate gauge of wire is installed between strip light and LED driver. See VOLTAGE DROP CHARTS.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Some LEDs are not functional</td>
<td>• Ensure strip light has not been bent excessively, which could damage circuitry.</td>
</tr>
<tr>
<td>Lights are flickering</td>
<td>• Ensure a compatible driver and/or dimming control is installed. Check for loose connections.</td>
</tr>
<tr>
<td>Lights are turning on/off repeatedly</td>
<td>• Ensure driver is not overloaded. An overloaded driver will trip the internal auto-reset (of driver) repeatedly, turning the system on/off.</td>
</tr>
</tbody>
</table>

TOOLS & RESOURCES

LIGHT GUIDE PANEL SPECIFICATION SHEET

For full specifications.
The following diagrams are provided as example system designs. Always review each component installation guide for detailed and up-to-date wiring instructions. Install in accordance with NEC and local regulations.

ON/OFF System

AC Power 50/60Hz

OMNIDRIVE™ Electronic Dimmable Driver System

Compatible Dimming Control or On/Off Switch

Some dimmers may require an additional neutral wire connection.

LED Light Guide Panels

Magnetic Dimmable Driver System

AC Power 50/60Hz

Plug-In Adapter System

AC Power 50/60Hz

OMNIDRIVE Dimmable Driver

Class 2 Low Voltage Plug-In Adapter (Driver)

Inline Accessory (Extensions, splitters, controls, etc.)

LED Light Guide Panels

120VAC Magnetic Low Voltage Dimmer

120VAC On/Off Switch

Class 2 Low Voltage Driver** Installed in Junction Box

REIGN™ 12–24V Dimmer System

Some dimmers may require an additional neutral wire connection.

AC Power 50/60Hz

OMNIDRIVE Dimmable Driver

LED Light Guide Panels

REIGN 12–24V Dimmer

Class 2 Low Voltage Driver*** Installed in Junction Box

Class 2 Low Voltage Plug-In Adapter (Driver)

Class 2 Low Voltage Driver** Installed in Junction Box

LED Light Guide Panels

120VAC Magnetic Low Voltage Dimmer

Input Output

LED Light Guide Panels

Some dimmers may require an additional neutral wire connection.

Class 2 Low Voltage Driver** Installed in Junction Box

LED Light Guide Panels

120VAC On/Off Switch

Class 2 Low Voltage Driver** Installed in Junction Box

LED Light Guide Panels

Some dimmers may require an additional neutral wire connection.

Class 2 Low Voltage Driver** Installed in Junction Box

LED Light Guide Panels

120VAC Magnetic Low Voltage Dimmer

120VAC On/Off Switch
**Voltage Drop Charts**

For best performance and lumen output, ensure proper wire gauge is installed to compensate for voltage drop of low voltage circuits.

---

**Example: 24V Voltage Drop & Wire Length Distance Chart**

<table>
<thead>
<tr>
<th>Wire Gauge</th>
<th>10 W (.42 A)</th>
<th>20 W (.83 A)</th>
<th>30 W 1.3 A</th>
<th>40 W 1.7 A</th>
<th>50 W 2.1 A</th>
<th>60 W 2.5 A</th>
<th>70 W 2.9 A</th>
<th>80 W 3.3 A</th>
<th>100 W 4.2 A</th>
</tr>
</thead>
<tbody>
<tr>
<td>22 AWG</td>
<td>53 ft.</td>
<td>27 ft.</td>
<td>17 ft.</td>
<td>13 ft.</td>
<td>11 ft.</td>
<td>9 ft.</td>
<td>8 ft.</td>
<td>7 ft.</td>
<td>6 ft.</td>
</tr>
<tr>
<td>18 AWG</td>
<td>134 ft.</td>
<td>68 ft.</td>
<td>45 ft.</td>
<td>33 ft.</td>
<td>27 ft.</td>
<td>22 ft.</td>
<td>19 ft.</td>
<td>17 ft.</td>
<td>14 ft.</td>
</tr>
<tr>
<td>16 AWG</td>
<td>215 ft.</td>
<td>109 ft.</td>
<td>72 ft.</td>
<td>54 ft.</td>
<td>43 ft.</td>
<td>36 ft.</td>
<td>31 ft.</td>
<td>27 ft.</td>
<td>22 ft.</td>
</tr>
<tr>
<td>14 AWG</td>
<td>345 ft.</td>
<td>174 ft.</td>
<td>115 ft.</td>
<td>86 ft.</td>
<td>69 ft.</td>
<td>58 ft.</td>
<td>50 ft.</td>
<td>43 ft.</td>
<td>36 ft.</td>
</tr>
<tr>
<td>12 AWG</td>
<td>784 ft.</td>
<td>397 ft.</td>
<td>263 ft.</td>
<td>197 ft.</td>
<td>158 ft.</td>
<td>131 ft.</td>
<td>112 ft.</td>
<td>98 ft.</td>
<td>82 ft.</td>
</tr>
</tbody>
</table>

1. **Determine load size.** Let’s assume load is 55 W. Round up to nearest load.
2. **Determine distance from driver to load.** Let’s assume the distance is 90 ft.
3. It is recommended to install 12 AWG to eliminate excess voltage drop.