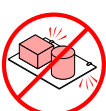
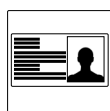


SAFETY & WARNINGS

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



QUICK SPECS / MODELS

SKU	DI-LGP-4
Input	24VDC or 12VDC
Ambient Temp †	-4° - 140°F (-20° - 60°C)

† Do not install product in environment outside listed temperature.

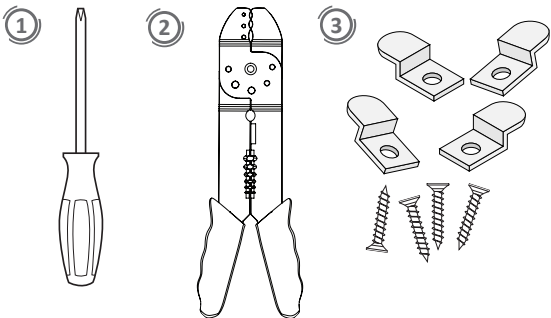
***NOT FOR USE IN SUBMERSIBLE APPLICATIONS, OR WITHIN 5 FEET OF A SWIMMING POOL.**

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.

LED LIGHT GUIDE PANEL

INSTALLATION GUIDE

REQUIRED TOOLS



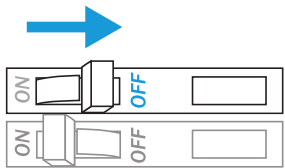
1. Phillips-head Screwdriver
2. Wire Stripper
3. (4-8) Mirror Clips and Screws per panel

INSTALLATION

1 TURN POWER OFF AT CIRCUIT BREAKER

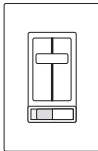


SHOCK HAZARD! May result in serious injury or death.
Turn power OFF at circuit breaker prior to installation.

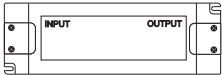


2 DETERMINE LOCATION TO INSTALL COMPONENTS

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.)

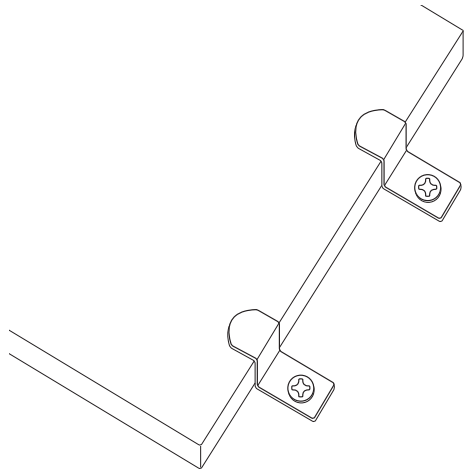
LED LIGHT GUIDE PANEL

INSTALLATION GUIDE

INSTALLATION (CONT.)

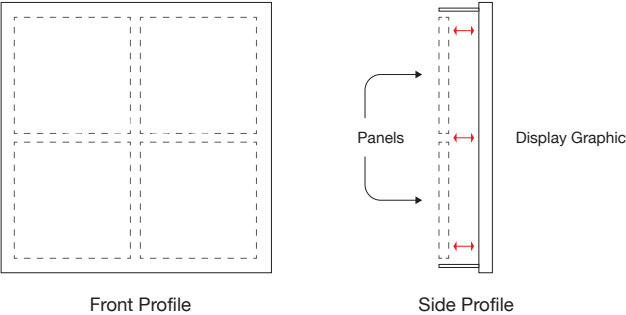
③ MOUNT LED LIGHT GUIDE PANEL TO SURFACE

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



④ MULTIPLE PANEL MOUNTING

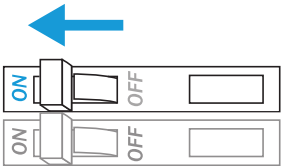
To achieve even light distribution, install a diffuser or place the graphic image a reasonable distance from the panel. Distance will vary as each panel is built to custom specifications.



⑤ 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)

⑥ TURN POWER ON AT CIRCUIT BREAKER



TROUBLESHOOTING

Shift in brightness and/or kelvin	<ul style="list-style-type: none">• Ensure an appropriate gauge of wire is installed between strip light and LED driver. See VOLTAGE DROP CHARTS.
Some LEDs are not functional	<ul style="list-style-type: none">• Ensure strip light has not been bent excessively, which could damage circuitry.
Lights are flickering	<ul style="list-style-type: none">• Ensure a compatible driver and/or dimming control is installed. Check for loose connections.
Lights are turning on/off repeatedly	<ul style="list-style-type: none">• Ensure driver is not overloaded. An overloaded driver will trip the internal auto-reset (of driver) repeatedly, turning the system on/off.

TOOLS & RESOURCES

LIGHT GUIDE PANEL SPECIFICATION SHEET
For full specifications.

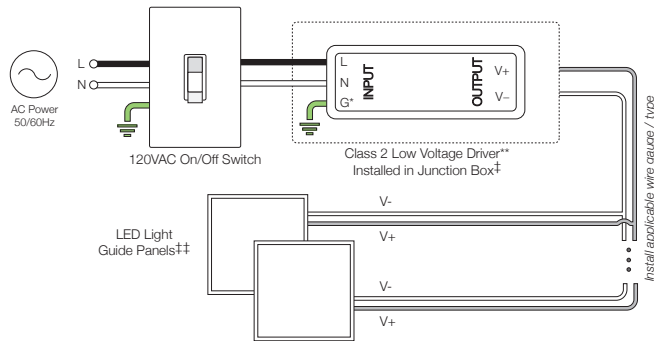
LED LIGHT GUIDE PANEL

INSTALLATION GUIDE

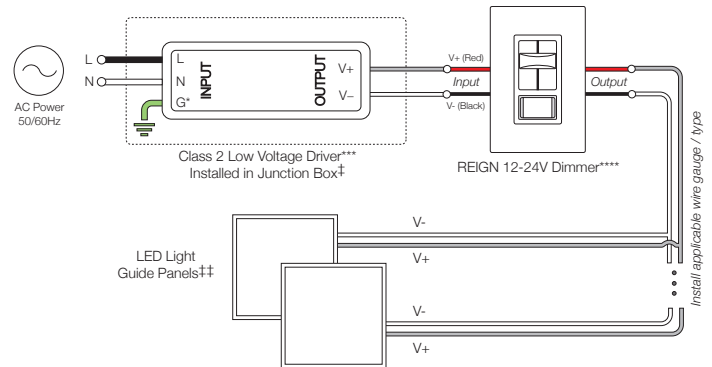
SYSTEM DIAGRAMS

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.

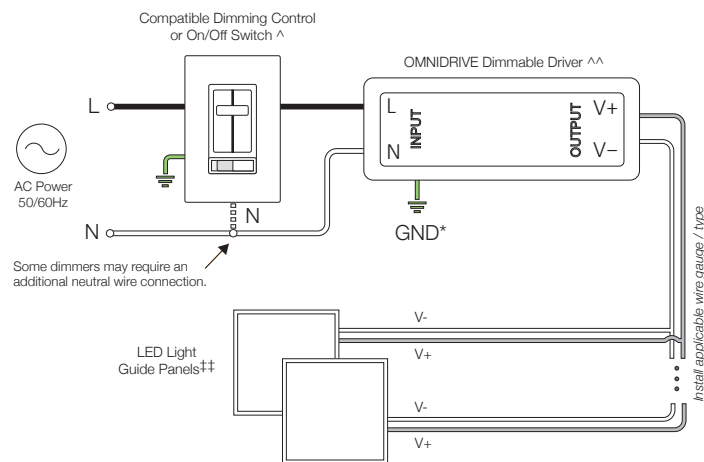
ON/OFF System



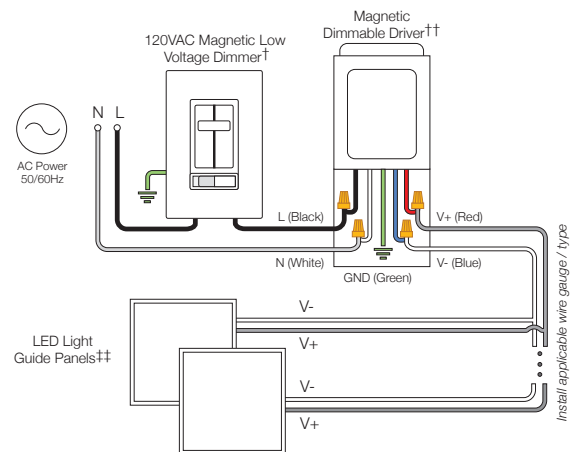
REIGN™ 12-24V Dimmer System



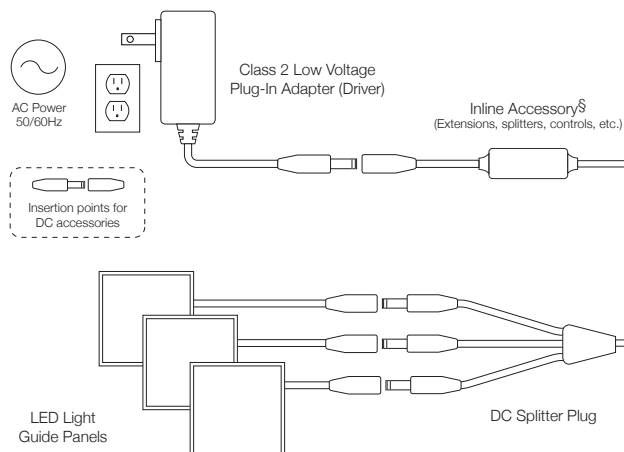
OMNIDRIVE™ Electronic Dimmable Driver System



Magnetic Dimmable Driver System



Plug-In Adapter System



LED LIGHT GUIDE PANEL

INSTALLATION GUIDE

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

Wire Gauge	10 W .42 A	20 W .83 A	30 W 1.3 A	40 W 1.7 A	50 W 2.1 A	60 W 2.5 A
22 AWG	53 ft.	27 ft.	17 ft.	13 ft.	11 ft.	9 ft.
18 AWG	134 ft.	68 ft.	45 ft.	33 ft.	27 ft.	22 ft.
16 AWG	215 ft.	109 ft.	72 ft.	54 ft.	43 ft.	36 ft.
14 AWG	345 ft.	174 ft.	115 ft.	86 ft.	69 ft.	57 ft.
12 AWG	539 ft.	272 ft.	181 ft.	135 ft.	108 ft.	90 ft.
10 AWG	784 ft.	397 ft.	263 ft.	197 ft.	158 ft.	131 ft.

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.

24V Voltage Drop & Wire Length Distance Chart

Wire Gauge	10 W .42 A	20 W .83 A	30 W 1.3 A	40 W 1.7 A	50 W 2.1 A	60 W 2.5 A	70 W 2.9 A	80 W 3.3 A	100 W 4.2 A
22 AWG	53 ft.	27 ft.	17 ft.	13 ft.	11 ft.	9 ft.	8 ft.	7 ft.	6 ft.
18 AWG	134 ft.	68 ft.	45 ft.	33 ft.	27 ft.	22 ft.	19 ft.	17 ft.	14 ft.
16 AWG	215 ft.	109 ft.	72 ft.	54 ft.	43 ft.	36 ft.	31 ft.	27 ft.	22 ft.
14 AWG	345 ft.	174 ft.	115 ft.	86 ft.	69 ft.	57 ft.	49 ft.	43 ft.	36 ft.
12 AWG	539 ft.	272 ft.	181 ft.	135 ft.	108 ft.	90 ft.	77 ft.	68 ft.	56 ft.
10 AWG	784 ft.	397 ft.	263 ft.	197 ft.	158 ft.	131 ft.	112 ft.	98 ft.	82 ft.



Toll Free: 877.817.6028 | Fax: 415.592.1596 | www.DiodeLED.com | info@DiodeLED.com
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