



Fixture Type
Materials
Finish

Wall Decorative
Polycarbonate
N/A

Lamp Type
Lamp Quantity
Lamp Included
Wattage
Input Voltage
Delivered Lumens
Kelvin
CRI
Power S Type
Power S Quantity
Power S Location
Dimming Type

LED
1
Yes
3-5 W/FT
12 or 24 V
5000 lm
4000 K
90
Driver
1
Remote
ELV

Designer

GlowbackLED

Listings

DAMP



Custom LED Panels | *The Ultimate Back-lighting Solution*

Custom built to your specs (any shape or size up to 96" x 48"*), our LED Panels are engineered to produce perfectly even and consistently bright lighting across its entire surface, making them the ultimate back-lighting solution! Use our LED Panels to back-light any translucent material, such as stone, stained glass, frosted glass, artwork, and more! Offering unmatched Project Support, our team is able to specify the **best LED Panel system** to meet you lighting needs!

*Use multiple LED Panels to back-light larger areas

Applications

- Stone: Counter-Tops, Back-Splashes, Wall Features, Etc Onyx, Agate, Crystallo, Quartz, Quartzite, and More!
- Stained Glass
- Frosted Glass
- Translucent Artwork
- Retail Displays
- Diffused Light Surfaces



Thickness	5/16" (0.3125")
Sizes	Any size up to 96" x 48"
Shapes	Can be made to any shape
Input Voltage	12 or 24VDC
Power	3 - 5 Watts/ft Per Lit Edge
Lumen Values	5,000 LUX (Average, see table)
Color Rendering	>90
LED's	Premium Nichia LED's
Dimming	Dimmable w Dimmable Power Supplies
Power-Feed	8ft (96") Standard with Connector
Lifetime	70,000+ Hours
Listings	Suitable for Dry or Damp Locations
Warranty	5-Year Limited Warranty

Customization

Built to any shape or size up to 96" x 48" our LED Panels are a **turn-key** solution, creating a remarkable high-end look and feel available with unrivaled available colors and configuration options!

Ultra Slim Back-Lighting

Thicknesses ranging from 5/16" to 5/8" allowing one to achieve completely even lighting with very little clearance.

Project Support

We're proud to offer industry leading project support. Our team **partners** with you to design and achieve the optimal result!

Build Quality

Unlike the others, our LED Panels are built right here in our Miami, FL facility using the highest LED's and components available for an extremely reliable and long lasting solution.

UL-Listing

Comfortably specify our LED Panels on any commercial project, all of our LED Panels are UL-listed for use in the United States or Canada (cUL Listed)

3000K



Warm White

4000K



Natural White

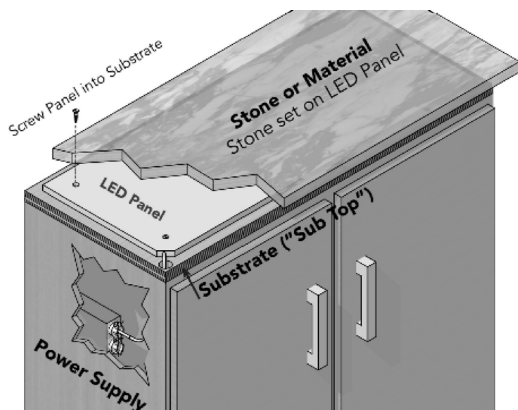
6000K



Bright White

If you're back-lighting stone, we recommend choosing **6000K** (Bright White) as it reveals the most inherent colors and veining of natural stone. If the stone is mostly white and lacks much veining, a warmer color temperature can be chosen. Custom colors available by request! (Order Samples to test)





Horizontal Panel Installations

For horizontal installations, such as counter-tops, kitchen islands, and bar-tops a "sub top" or layer of substrate (such as plywood) should be affixed to the top of the cabinet, giving the LED panel(s) a flat surface to screw into. Once the substrate is in place, the LED Panel can be installed in seconds by screwing through the mounting holes* on the LED Panel. Once installed, test the LED Panel and install the stone or material directly on top. To hide the LED Panel from being visible around the edge, have your fabricator add a "build-up" or mitered stone return around your tops. Ask your project manager for more techniques on getting the absolute best result on your horizontal LED Panel applications.

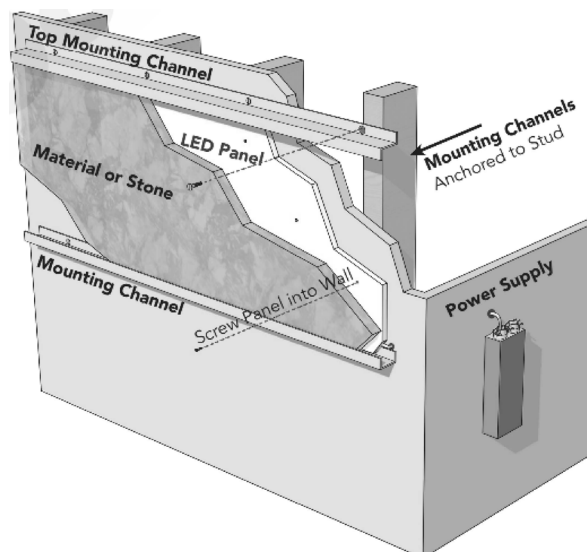
Diffusion

Certain very translucent materials (such as stained or frosted glass) require additional diffusion techniques to hide mounting holes and seams. Typically a small air-gap in tandem with a diffuser is enough to get an optimal result. Ask our team if your material requires additional diffusion techniques. For the best result, send us a sample of your material and we'll design a turn-key system for getting perfectly even lighting.

Avoid Adhesives!

Use of adhesives to bond material to our LED panels should be avoided at all costs. Adhesives can result in lighting anomalies and issues in the future. Mechanical mounting methods and/or allowing gravity to hold the stone in place (for horizontal installations) is recommended. Use these layouts as a guide or designing your optimal mounting method. Need help with design? Let our team help!

Vertical Panel Installations

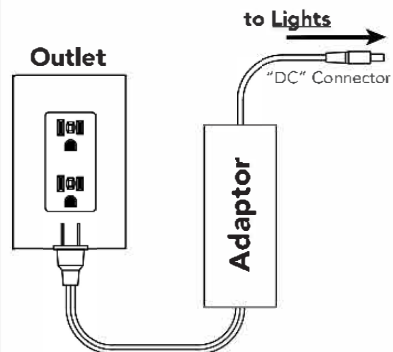


Vertical Installations of the LED Panel(s) itself is very simple. Simply screw the LED Panel into the wall, run the power-feed to the power supply, and connect the power supply to power. However, a **mechanical mounting system for the material**, is required. Large stone slabs can be incredibly heavy, and **CANNOT** be installed with adhesive directly to the LED Panel. A common method of installation is using the **stand-off method**, which consists of a "hangar screw" anchored to the framing, and a cap is used to hold the stone in place. For a less apparent mounting method, the **channel mounting method** can be employed. The channels are anchored to the framing and can either wrap around the stone (visible frame), or insert into a "kerf" or slot fabricated into the stone, for a seam-less (no visible framing) mounting methods.



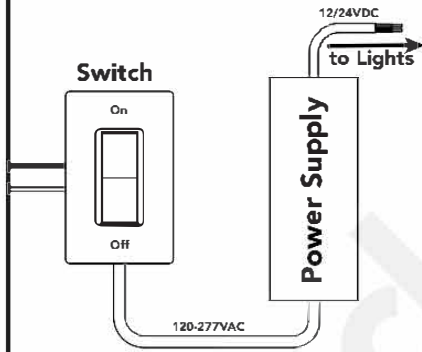
All of our LED Panels require a **remote power supply** and/or **controller** to operate. Seamlessly integrate our LED Panel systems with any type of home or building automation system. Unless otherwise specified, all LED Panel systems, including power supplies and controllers are shipped to you **pre-configured**, to facilitate installation. Power-Supplies will come "rigged" with connectors to match the connectors coming off the LED panels. When ordering, simply give us some details about the level of control that you want, and our team will design a **turn-key control system** fit to meet your needs.

Non-Dimmable Adaptor



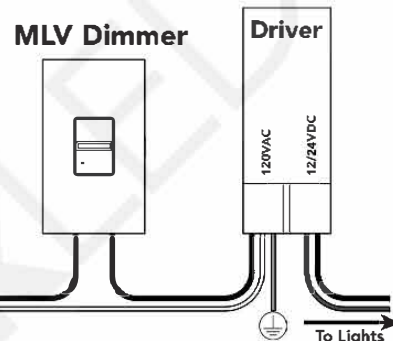
Recommended for small panel installations. Very popular solution for stained glass, bathroom vanities, and other small back-lit areas. Simply plug the adaptor into any US wall outlet, connect the LED Panels and the lights will turn on. This is a **Non-Dimmable** Power Supply

Non-Dimmable Hard-Wire



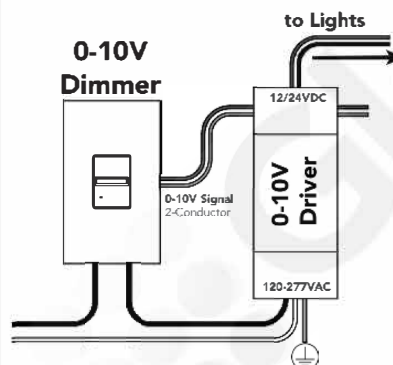
Popular for commercial applications where dimming isn't generally required. Use our non-dimmable power supplies to easily turn your LED panel system **On** and **Off** using a hardwired switch.

MLV/TRIAC Dimmable



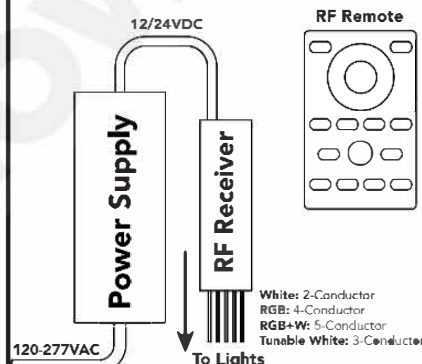
Our most popular power supply configuration! Dim your LED Panel system using pre-existing romex, with no additional dimming wires needed. We generally only recommend this for remodel applications, as 0-10V dimming gives better performance for new construction

Non-Dimmable Adaptor



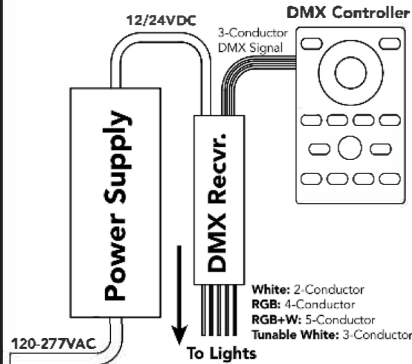
Highly Recommended for New Construction! 0-10V dimming provides maximum dimming performance using a set of low-voltage control wires. 0-10V dimming is the only option for true flicker and shimmer free LED dimming! Contact-Us about wireless 0-10V control.

Wireless Control



Generally used with our color changing LED Panels (RGB, RGB+W, and Tunable White). RF Control allows you to operate your lighting using a remote control. This system consists of a power supply and an RF receiver. Some applications require power repeaters (signal amplifiers)

DMX Control



Used for large and robust projects, DMX can be used with color changing or white lighting and offers an unrivaled level of control. With a DMX system you have the capability of controlling each LED panel individually. DMX requires a 3-conductors shielded wire for control.

