

LIGHT PANEL OPTIONS & ACCESSORIES

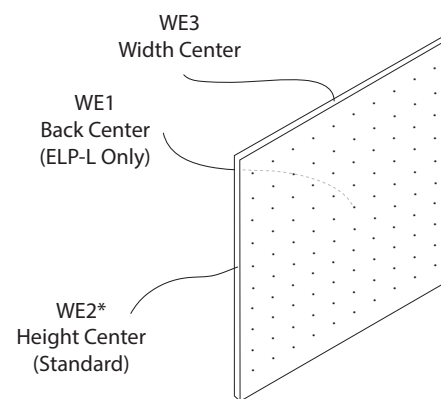
SUBSTRATE THICKNESS

ELP-L: Standard thickness for EssentialLEDs® ELP-L Light Panel is 5/8", consisting of a 1/2" substrate plus 1/8" cover, bonded together [12.7mm substrate plus 3.2mm clear cover = 15.9mm]. For small pieces of light panel in wall-mounted applications (24" x 24" or less) [609.6mm x 609.6mm], the 3/8" Compact version may be sufficiently robust (1/4" substrate plus 1/8" cover) [6.4mm substrate plus 3.2mm cover = 9.5mm]. Please consult with the VLT factory for recommendations.

ELP-G: Standard thickness for ELP-G Light Panel is 5/8" [15.9mm]. ELP-G ships with a removable protective cover with a thickness of 1/8" [3.175mm].

WIRE EXITS & OPTIONS

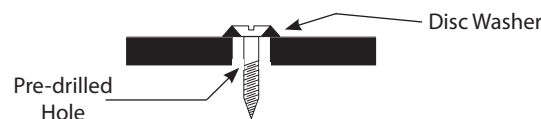
Wire exits can be located at any place along the Light Panel's edges, or from the back of the panel (ELP-L Only); illustration at right shows common exit designations. Unless otherwise specified, WE2* is the standard wire exit; please provide a sketch for custom exit locations. WE1 exits will be located as close to center as possible, depending on LED board layout. Maximum wattage per driver is 96 watts, so larger pieces of Light Panel will often require multiple wire exits. Standard termination is 8' [2.44m] of non plenum rated 16-gauge [1.02mm²] wire, no connector; up to 30' [9.14m] is available as an option.



MOUNTING

ELP-L & ELP-G: For wall-mount installations, EssentialLEDs® Light Panels install with #8 screws (provided by others; length will vary depending on mounting surface). In addition, #8 disc washers are provided with ELP-L panels to facilitate even load distribution. For a clean finish, white adhesive "dot" labels are provided to cover heads of #8 screws.

ELP-G ships with a removable clear cover to protect the LEDs during installation; clear cover should be discarded after mounting with #8 screws



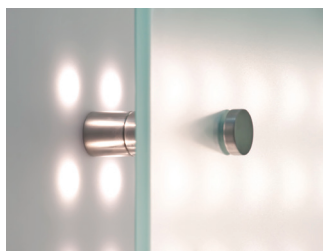
ELP-L DIFFUSER PANEL

Acrylic diffuser panels are available to match the size and shape of your ELP-L LED Light Panel. Standard diffuser panel is fabricated using 0.25" [6.35mm] Opal 3 white acrylic. We can also fabricate diffuser panels using alternative acrylics, decorative resins or other materials per your specification. Please contact VLT factory for other options. In most cases, diffuser panels must be mounted a minimum of 2" from the Light Panel, and can be supported using stand-off hardware or other structure provided by the application. When mounting diffuser panel with stand-off hardware, spacing of every 16" - 24" [400mm - 600mm] on center is recommended.

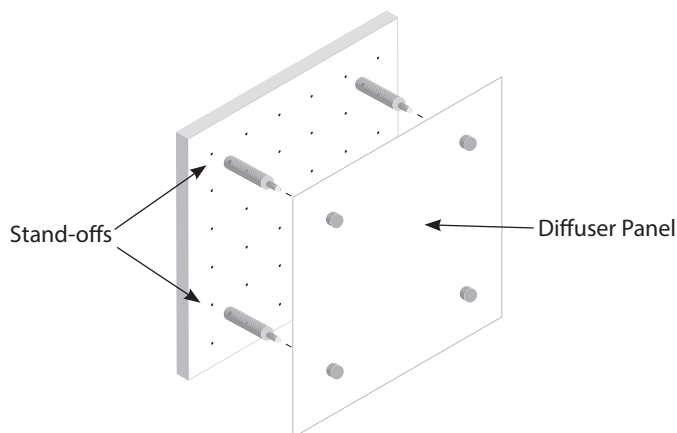
ELP-L STAND-OFF HARDWARE FOR USE WITH ACRYLIC DIFFUSER

For wall-mount applications, aluminum stand-offs provide a simple way to mount materials being backlit. Stand-offs provide a fixed 2" [12.7mm] separation that allows full blending of the LED light points. Stand-off hardware is typically placed every 16" - 24" [400mm - 600mm] OC. See illustration below.

Installation with Diffuser Panel Using Stand-off Hardware



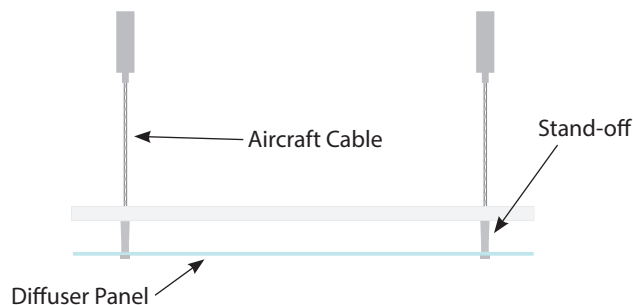
(Illustration uses frosted glass diffuser; visible dot pattern is design choice)



ELP-L SUSPENSION HARDWARE

LED Light Panel can be used as general overhead lighting when combined with a T-Bar system (provided by others) or suspended by a combination of specialized grips and aircraft cable. See illustration below.

Suspended Mount Using Cable & Grips (Aluminum Framing Required)



ELP-L ALUMINUM FRAMING

When large pieces of ELP-L LED Light Panel are used in suspended applications, aluminum framing is available to provide added rigidity and support for the PVC substrate to prevent bowing of the panel. Aluminum framing will add a slight raised edge ($\frac{1}{8}$ " [3.2mm]) around the periphery of the panel, but will not alter the height and width dimensions of the panel. The framing itself cannot be used to support the light panel in a suspended application; cable attachments must penetrate the panel substrate (see photo above).

ELP-L SUBSTRATE COLOR

Depending on your application, a substrate color other than the standard white may be desirable for your ELP-L LED Light Panel. Expanded PVC plastic comes in a variety of colors (Black, Gray, Beige, Purple, Burgundy, Red, Orange, Yellow, Green & Blue); please contact factory for samples.