

PRODUCT HANDLING, INSTALLATION & INTEGRATION ADVISORY

Evo-Lite's experience in providing LumiSheet Light Guide Plates to its customers has provided us with a unique perspective on the characteristics and underlying intuitive knowledge necessary to complete a successful installation of LumiSheet. Evo-Lite is committed to educating and supporting all our customers so that every installation proceeds as smoothly as possible. Most installations offer their own unique challenges; we hope by making you aware of the following handling and installation guidelines that the basics of the installation do not become issues that further complicate this process. As always, your Evo-Lite Account Manager or any of our staff are ready to assist you and answer any questions you have or address any issues that arise during your installation.



TEST BEFORE INSTALLING

Our production, packaging and shipping process is accompanied by a rigorous quality control procedure. All light panels are subjected to a burn in period and are tested during the packaging process to ensure operation of the highest quality. Due to possible unforeseen issues with shipping and handling, we advise that all light panels be inspected at time of delivery and tested for proper illumination prior to installation and again before the forward facing material is permanently installed. **BE SURE TO REMOVE THE PROTECTIVE FILM BEFORE INSTALLING.**



DO NOT CONNECT TO AC POWER

Be sure to use a low voltage power supply that conforms to the voltage requirements of the light panel. This information can be found on the label on the backside of the light panel as well as the power supply labeling. **ANY DIRECT CONNECTION OF THE LIGHT PANEL TO AC CURRENT WILL DAMAGE THE LEDS.**



POWER, CONTROL & WIRING

For optimal power distribution and to minimize voltage drop, it is recommended that multi-strand, high strand count wiring be used for all low voltage DC connections. Wire gauge should be appropriate based upon system voltage and wire lengths to further minimize voltage drop. Power supplies, drivers and controls should be installed in well ventilated enclosures and or per manufacturers recommendations.



FRAGILE

Take as many precautions as possible when handling. The light panels are made from acrylic which can be easily damaged if not handled properly. Caution should be taken when setting the light panel on edge as the force of the light panel contacting a solid surface can result in cracking or chipping of the acrylic light guide plate. Also be aware of all light panel wiring. The awareness of the weight of the light panel in most cases exceeds the awareness of the wiring which can be easily damaged and or destroyed if not properly managed. Avoid stepping on or snagging hanging wires when unpacking or transporting panels.



DO NOT BEND

Be sure to handle the light panel as you would a piece of glass. Always transport the light panel on edge or in a vertical position. Allowing the light panel to flex or bow will result in damage of the internal LED components which is not covered under warranty.



STORAGE

Store Light Panels in a clean, dry area and keep covered to protect from moisture and dust. Store on a flat, horizontal surface as vertical storage can cause flexing of the light panel which can result in damaged LED components as well as introducing a memory of the curve in which it was stored. Ideal storage conditions: Temperature of 68° - 77°F, Humidity of 50%.



DO NOT GET WET

DRY LOCATION ONLY. Our light panels are rated IP-65 which is total protection against dust ingress as well as water projected by a nozzle against the enclosure from any direction for a limited time. The light panels are not waterproof. Higher IP ratings can be achieved by the inclusion and integration of framing and other materials. Be sure to speak with your account manager when moisture relevant applications are desired.



DO NOT DRILL

Although field drilling of the light panel can be accomplished in extreme cases, it is not recommended and is highly discouraged as any damage at this stage can result in denial of any warranty claims. Our light panels can be produced to your specifications. Be sure to provide all details of size, shape, hole size and placement before ordering. In the event drilling needs to occur, please request documentation and assistance from your account manager.



DO NOT CUT

Although field cutting of the light panel can be accomplished in extreme cases, it is not recommended and is highly discouraged as any damage at this stage can result in denial of any warranty claims. Our light panels can be produced to your specifications. Be sure to provide all details of size and shape before ordering. In the event cutting needs to occur, please request documentation and assistance from your account manager.



DO NOT USE ADHESIVES

The use of adhesives of any type including double stick (VHB) tape for the bonding of materials to the light panel or bonding light panels to another surface is strongly discouraged. Direct bonding to the illuminated surface of the light panel can result in visual anomalies and bonding to the rear reflective layer for mounting purposes can cause failure of the light panel which is not covered under warranty. Due to multiple application and installation variances associated with the integration of light panels, standard mounting hardware is not provided. Be sure to discuss your project with your account manager who can help you determine an optimal mounting solution for your application and in some cases provide mounting components when required.



INSTALLATION ENVIRONMENT

Due to the characteristics of the acrylic that is used for our light panels, installation environments and locations should be taken into consideration. Wide temperature shifts can cause the acrylic used as the light guide plate to expand and contract and at a different rate than the associated components. In some cases, this expansion and contraction can cause mounting, edge tape and lamination failure. It is the responsibility of the buyer to make sure these characteristics have been accounted for throughout the design and integration of the light panels.



CLEANING

Keep the protective film intact and in place to help protect the surface of the light panel during transport and installation. For removal of finger prints and other extraneous substances, start by lightly blowing or wiping off dust and other particles with a soft, non-abrasive cloth. Mild soapy water can be used for the removal of fingerprints being sure not to exert too much pressure as this could cause scratching/marring of the surface.

NEVER USE CLEANING SOLUTIONS THAT CONTAIN AMMONIA, ALCOHOL OR OTHER SOLVENTS. Products such as Windex will do more harm than good.