Installing Panels for Backlighting

It is important to remember a few things when installing large panels.

• Do not kink or fold the panel

• Do not crease or fold conductive electrodes

• Plan ahead. If you are mounting indoors with an adhesive, you only get one chance because it is very difficult to remove once adhered without damaging the surface.

1. The first step in the installation is to cover the plywood (or other surface) with the Twin Stick double-sided foam adhesive supplied with your Light Tape® order. This foam adhesive comes in 8.5" x 11" sheets, but it can be cut with scissors or a straight edge tool and shaped to cover your area properly. Peel off one side of the foam adhesive sheet and apply the sticky side it to the plywood. Do not peel off the other side of the foam adhesive sheet until Step 4.

2. Do a practice layout. After the foam adhesive sheets have been applied to your surface, lay the Light Tape® panels on the foam adhesive. Adjust the placement of the Light Tape® panels to make sure the entire surface area is covered and there are no seams. It is acceptable for the Light Tape® panels to overlap, if necessary.

3. Once your practice layout is complete, draw an outline of the black connector for each panel onto the foam adhesive to identify where to route an access hole through the foam and plywood to hide the connectors. Then remove the Light Tape® panels and route the connector access holes.

4. Peel off the other side of the foam adhesive and begin to mount the Light Tape® panels in place similar to the practice layout in Step 2.

5. Push the connectors and leads through the routed holes and connect all leads in parallel to the Smart Driver™ lighting ballast. The Light Tape® panels utilized for backlighting are equipped with extension tabs. The tabs are designed to allow the electrical connection to be located under the mounting surface. Light Tape® panels do not have polarity (+ or -). Multiple panels can be powered by a single Smart Driver™ lighting ballast.

0.25" Clear Barrier Encapsulation envelopes the illuminated panel on all four sides.

Extended connection tabs to facilitate installation. Standard tab is 2", custom lengths available.

Surface Area

Connection extentions allow the connector to be hidden. Power cord connects to Smart Driver™.