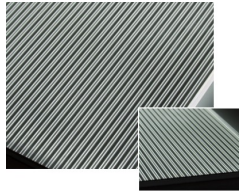
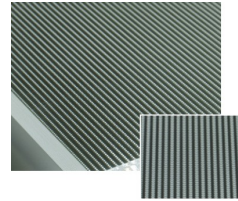


**Panalume Edgelit Lightpanels**



Dual Line Etch



Modified Bead Etch

**Features**

- **Manufactured in the USA**
- **PANALUME** LED edgelit Lightpanels
- 3000K, 4000K, 5000 and 5800K - 34 LEDs per foot - CRI 80+
- RGB 24 LEDs per foot CCT Adjustable & RGBW coming soon
- Even Illumination across the face of the lightpanel <10% variation
- Panels are resistant to ultraviolet light
- 12V or 24V DC Plug and Play Driver or 12V or 24V DC Hardwire LED Driver up to 240W
- Matte White Overlay – Makrolon Lumen XT optional

**Etching Styles & LED Position**

lightpanels and when using lightboxes there are no LED pinpoints.

**Dual Line Etch**

This is the most common method of etching our lightpanels. It is the most cost effective. The lines run perpendicular to the LEDs. This method provides extremely even illumination across the face of the panel.

**Modified Bead Etch**

The modified bead etch is used when ultimate brightness is required. It is used when all four edges are illuminated and provides a soft even illumination. This is the most costly method of production.

**LED Positioning**

**Snap on Extrusion**

A miniature aluminum heat sink, which houses our LEDs and snaps onto the edge of the lightpanel, maximizes heat dissipation for extended LED life, permitting the use of higher power LED's for increased brightness. Using this technique the frame holding the panel will only be 5/8" on each side.

**Embedded LED Strip**

This method is used when straight sides are not available due to the shape of the lightpanel. The frame needs to be wider due to the construction. Additional care is needed for removal of the heat from the LED's.

**Maintenance**

If LED's need to be replaced the existing LED lightbar will come off and a new LED lightbar is snapped in place. No need to replace the lightpanel.

**LED's**

ILP uses 50,000hr tested LED's LC70

**UL**

All lightpanels are UL and cUL Listed

Input Voltage	12VDC or 24VDC
Lamp Life	50,000 Hours
Operating Temperature*	-22°F to 104°F
Light Panel Material	Acrylic (polymethyl methacrylate)
Acrylic Thickness	8mm (5/16")
Size (min)	2" x 2"
Size (max)	60" x 120"
Environment	Indoor, Dry
Warranty	3 Year Limited Warranty

\* Exceeding the operating temperature values may damage the LEDs by reducing the lifespan, lumen output, and/or adversely impact color consistency. It is recommended adequate airflow and heat sinking be taken into consideration in the installation and application of this product. Improper thermal management may lead to premature product failure and void the warranty

**Cross Sections –** Not to scale For Reference only



Utilizing the top manufacturing methods (CNC Laser and CNC Router) our panels are balanced in appearance and brightness. No noticeable falloff in illumination in the middle of large