

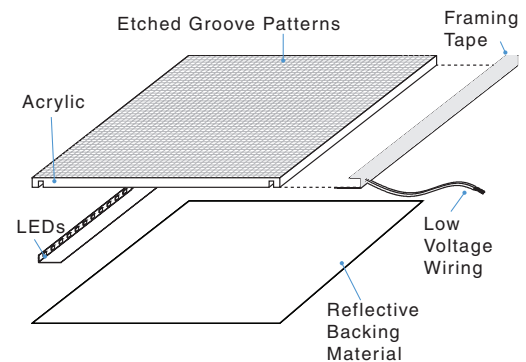
# Artistic Light Panels

Figments of your Illumination™

LSI's Artistic Light Panels use LED edge lighting in ultra-thin and versatile fixtures whose uses are Figments of your Illumination™. Panels can be produced in a variety of shapes and sizes and are available in three shades of white between 2700K and 5300K. They can simply turn on and stay on or can be digitally controlled through your building control system or by our diverse offering of DMX, Coloring Changing or Color Tuning power supplies. The uniformity of light from the corners to the center makes them the preeminent panel available today.

## ACRYLIC FACE PLATE

- Optical Grade Acrylic 93 Light Transmittance
- Cell Cast
- Rockwell Hardness M100
- Haze less than 1%
- Diamond Polished Edges: The acrylic panels are passed over sharp, fast-moving diamonds, producing polished edges that compare with cast surfaces in their ability to transmit light unimpeded
- Etched grooves for even light distribution with a +/- 5% LUX variance from corner to center of sheet – regardless of panel size. The algorithm used to change the depth, the width and spacing of the etch is based upon several factors, including:
  1. The power of the LEDs used HO or VHO
  2. The apparent light transmittance capabilities of the acrylic
  3. The consistency of thickness of the acrylic
  4. Whether single-sided or double-sided
- Largest dimension is 157" x 78"
- Smallest dimension is 1" wide by 2" long: with a 1" width under cabinet
- Shapes: any flat shape up to maximum panel size
- Thickness: determined by panel size, panel shape, framed or frameless and power output of LEDs



Shapes include ovals, diamonds, triangles, channel letters, logos and small radius curves

## THE LIGHT SOURCE

- ANSI LEDs from Tier 1 Suppliers: LEDs from suppliers that have adopted the ANSI/NEMA combined standard C78 377A, adopted by ENERGY STAR®.
- LED CRI>80
- LED CRT>2700K-5300K: available in 2700, 4400, 5300K

## LIGHT TRANSFERENCE & REFLECTIVITY UTILIZATION

- Industrial Mil Pearlescent Heat-Bonded Reflective Backing Material: ultra effective reflective qualities with LED light sources
- Moisture-Resistant Foil-Backed Framing Tape: frameless (soft framing) Artistic Light Panels are exposed to the elements to a greater degree than hard-framed products. Our Framing Tape has been tried and tested to perform two objectives when soft-framing a finished panel:
  1. Secure the sandwich of materials (LEDs, acrylic, PCB materials) from moisture and dust penetration
  2. Create a barrier to eliminate light leakage from the panel edges

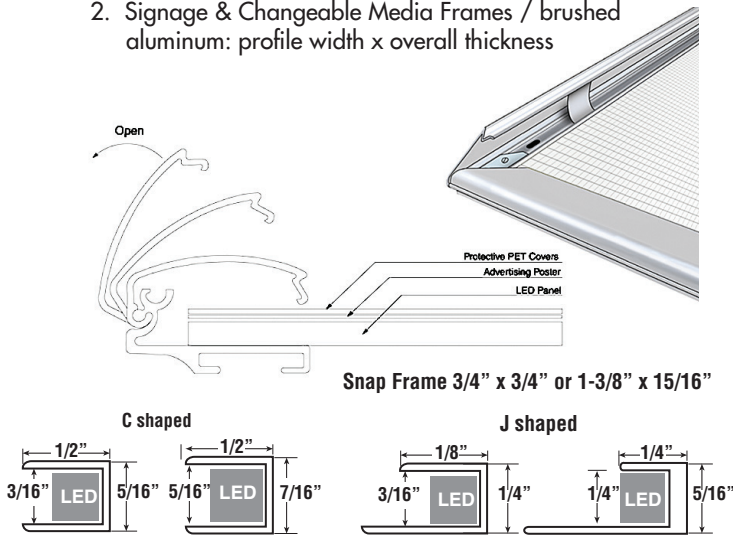
## CERTIFICATIONS & POWER

- Input Voltage 100V-480V plug in or hard wire
- Output 12V or 24V, depending on sheet size and LED power selection
- Dimmable: hardwired MLV, 0-10V or remote control plug-in
- UL Recognized
- Hospital MRI Safe

## OPTIONAL SPECIFICATIONS FOR PANELS

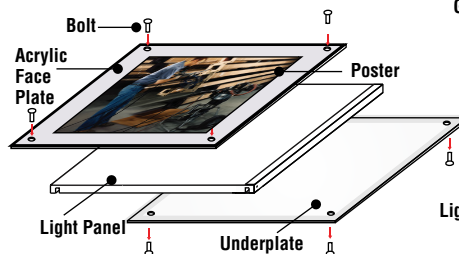
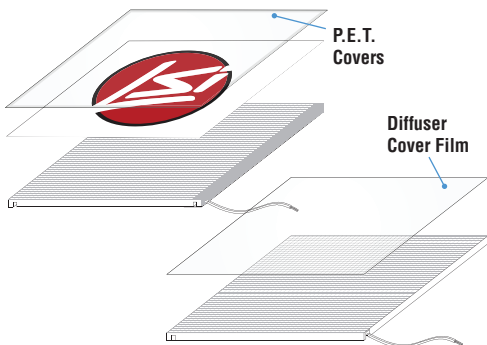
- High Output for Maximum Size 10'x5' = 5W per Linear Foot, 360 Lumens per Linear Foot
- Very High Output for Sizes Larger Than 10'x5' = 10W per Linear Foot, 720 Lumens per Linear Foot
- RGB, red-green-blue on the same chip. The panel is able to shift the chip colors into 16.4 million color combinations. DMX compatible, DALI addressable
- Color Tuning from 2700K-5300K: With color tuning the user can actually change the "eye" color by shifting from warm to cool light. Red woods come out reddish, mahogany's mahogany and so on
- Dual-Sided Illumination: Panels can be ordered with dual sided lighting, with no lose of light quality
- Low Voltage Panel Exit Wire in White Option (panels come standard with black wires on the output side)
- USB 5V Power System available (max. panel size 40"x40")
- Special Purpose Frames and Enclosures: (panels come with white foil backed framing tape standard). Here's what we offer:

1. Protective Finish Frames / brushed aluminum: profile & overall thickness dimensions (all frames can be painted upon request)
2. Signage & Changeable Media Frames / brushed aluminum: profile width x overall thickness

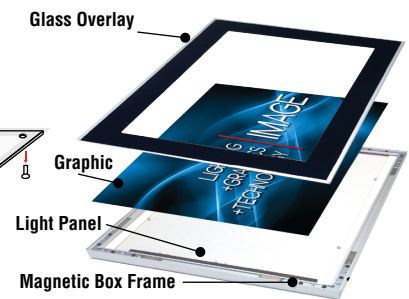


- Special Media Overlays

  1. P.E.T. covers for media protection (2 mil thickness)
  2. Diffuser cover film for reduction of optical glare and light pipe concealment (max width 60 inches)



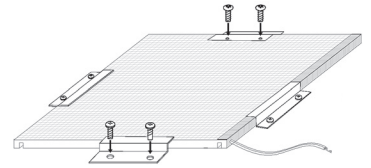
Full Panel Acrylic Overlay Frame



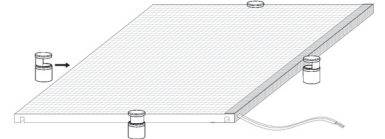
Full Panel Removable Glass Overlay Frame

- Multiple Panel Mounting Options

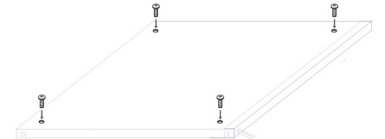
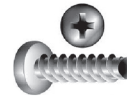
### 1. Z Clips



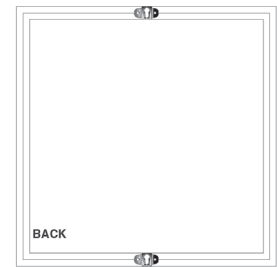
### 2. Stand Offs



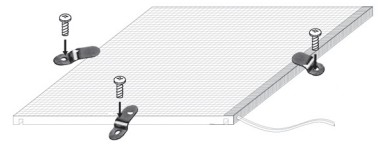
### 3. Pre-drilled (drillable on site)



### 4. Key-Hole frames



### 5. Mirror Clips



### 6. Pendant Cable Mount

