

WORLD OBSERVATORY



102

J2

102

J3

eos

LIGHT  
PANEL  
SYSTEMS





# Residential

BACKLIT DINING TABLE - HILLCREST RESIDENCE  
BEVERLY HILLS, CA



# Retail



WAYFINDER - TOPSHOP  
FLAGSHIP STORE  
5TH AVE, NYC



13' BACKLIT DISPLAY  
CELEBRITY PINK JEANS  
LOS ANGELES, CA



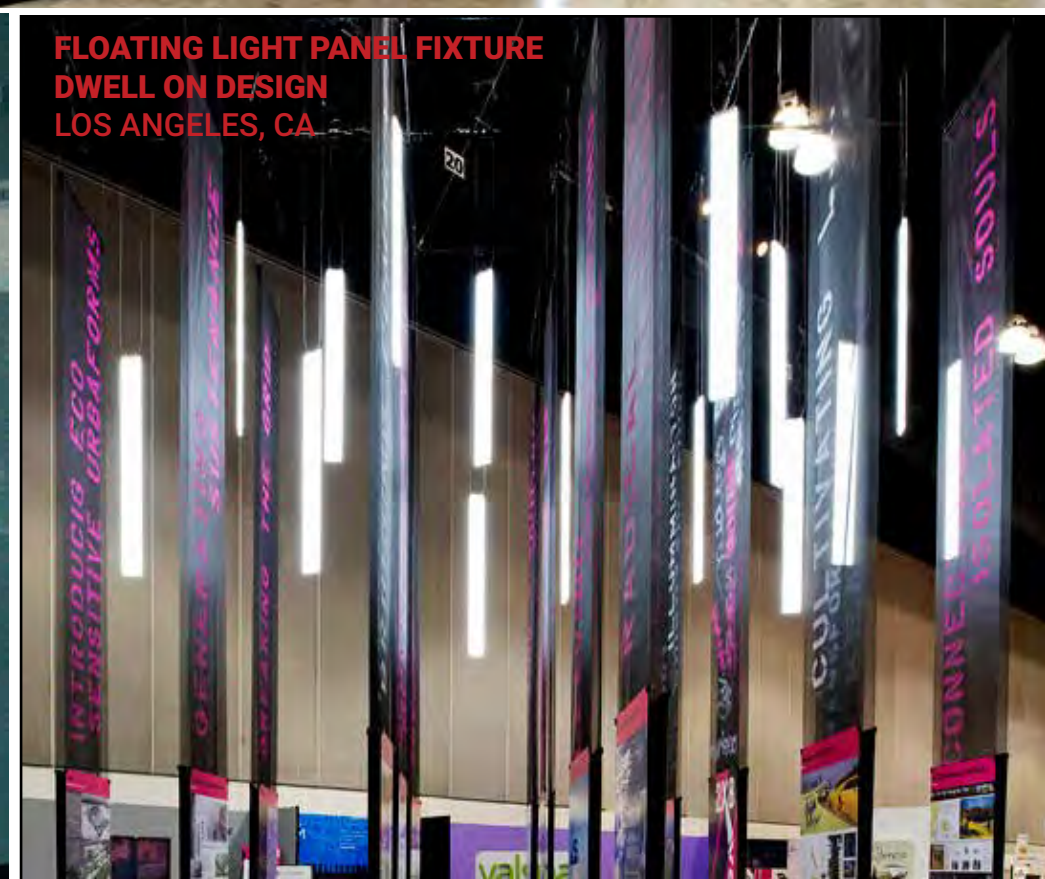
BACKLIT GRAPHIC  
NEWARK LIBERTY  
INT'L AIRPORT  
NEWARK, NJ



EJE TRAVEL STORE - NEWARK LIBERTY INT'L AIRPORT  
NEWARK, NJ



BACKLIT DISPLAY - WASHINGTON STATE UNIVERSITY  
PULLMAN, WA



FLOATING LIGHT PANEL FIXTURE  
DWELL ON DESIGN  
LOS ANGELES, CA





**BACKLIT LOBBY COUNTER - SLS HOTEL & CASINO  
LAS VEGAS, NV**



**BACKLIT COLUMNS  
HOTEL CHICAGO  
CHICAGO, IL**



**GOTHAM APARTMENTS  
NEW YORK, NY**



**DUAL-SIDED SHELF- SLS HOTEL  
MIAMI BEACH, FL**



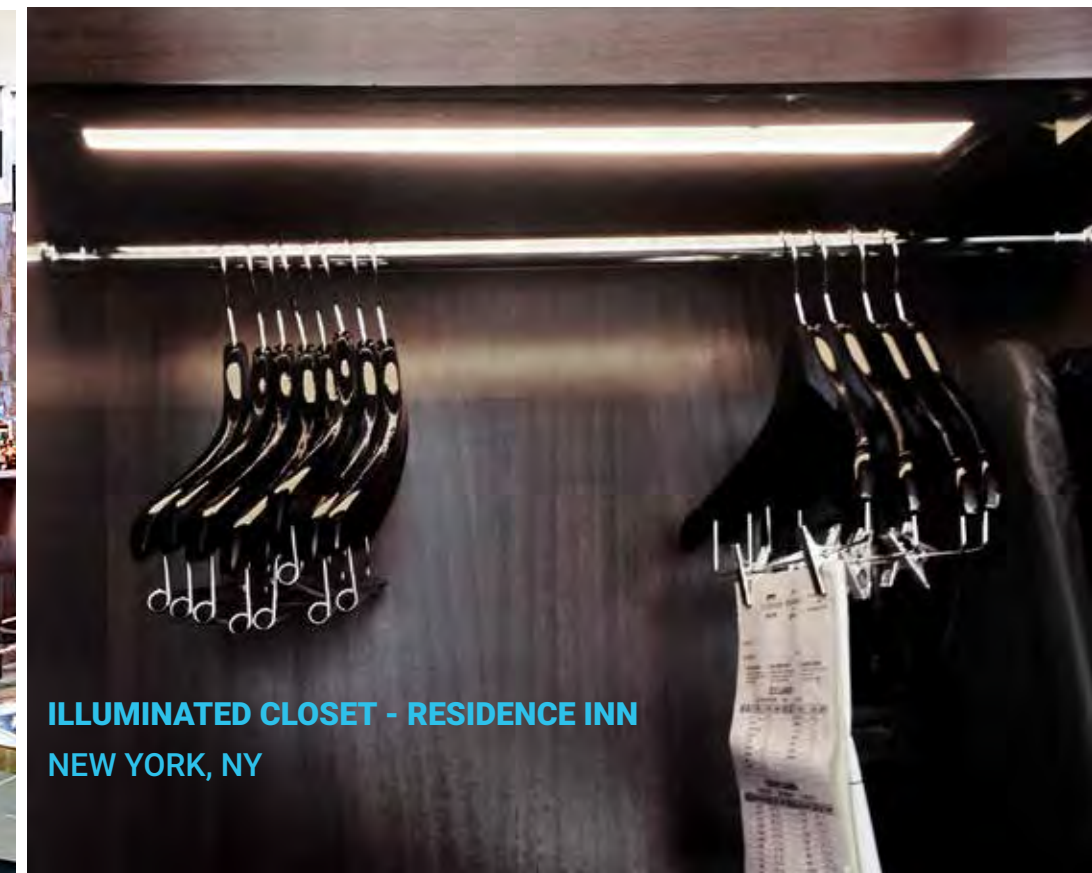
**BACKLIT LUMICOR-ONE WORLD OBSERVATORY  
NEW YORK, NY**



**BACKLIT STONE BAR AND BOTTLE RISER - W HOTEL  
LOS ANGELES, CA**



**BACKLIT BAR - HOTEL CHICAGO  
CHICAGO, IL**



**ILLUMINATED CLOSET - RESIDENCE INN  
NEW YORK, NY**

# Hospitality





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# About eos

**eos** is an award-winning creator & provider of LED panel lighting solutions for commercial, retail, industrial, hospitality and luxury residential applications.

A trendsetter of sustainable, eco-friendly solutions, eos has pioneered the way to bring LED lighting panels to the functional & decorative mainstream market around the globe. We believe that the quality of visible light positively enhances an environment. Panels can be used as back lighting for; signage, ceilings, wall coverings, coves, kickplates, shelving, columns, furniture, and floors.

We've achieved functional excellence by using our LightWeb™ technology, a process which combines LED lighting with an exclusive 3D cutting algorithm delivering a strong, even sheet of light with virtually no heat. The ultra-thin profile and low power draw of eos LightPanels™ are ideal for lighting applications that require efficient, long lasting (50,000 hour) design and versatile functionality.

A recognized name in the lighting industry, eos has become the driving force of smart illumination to light our enhanced environment.



Moisture Resistant  
Foil Backed Framing Tape

Acrylic

LEDs

Moisture Resistant  
Foil Backed Framing Tape

Low Voltage  
Wiring

Reflective Backing  
Material

BACK LIT MEDIA FRAME - KAISER PERMANENTE  
LOS ANGELES, CA

## General Specifications

### LIGHT WEB TECHNOLOGY™:

3D etched patterns to evenly distribute light throughout the panel. Patterns available are GRID, DOT and MICRODOT™

### ACRYLIC:

Optical Grade  
Cell Cast  
Diamond Polished Edges

### MAXIMUM SIZE:

(A) 157" X 63" - 13'-1" X 5'-3"  
(B) 118" X 78" - 9'-10" X 6'-6"

### MINIMUM SIZE:

1" X 2" (Ideal for Cove and Accent Lighting)

### THICKNESS

1/4" to 7/16"

\*Thickness is determined by panel shape, size, frame and power output.

### LONG LIFE:

Over 50,000 hours = Nearly 12 years based on 12 hours a day  
Once installed, the LightPanel™ System is virtually maintenance free

### WATTAGE:

5 Watts per Linear Foot for 12V - Standard Output  
10 Watts per Linear foot for 24V - High Output

### POWER OUTPUT:

12VDC or 24VDC

### INPUT VOLTAGE:

100V to 480V

### DIMMABLE:

The system is dimmable to <10% when matched with Dimmable Power Supplies  
\*hardwired MLV, 0-10V, or remote control plug in

### COMPATIBILITY:

USB Compatible.  
\* Max. Size 40" X 40"

### LEDs:

ANSI Binned LEDs from Tier 1 Suppliers  
LED CRI > 80  
LED CRT - 2400K - 6500K

### DAMP LOCATION:

Damp Location Rated when driven with a Class 2 Power Supply

### TAPING:

Moisture Resistant Foil Backed Framing Tape on all sides.  
\*See Optional Specifications for Seamless Applications

### BACKING MATERIAL:

Industrial Mil Pearlescent Heat-Bonded Reflective Backing Material

### APPROVALS AND CERTIFICATIONS:

The LightPanel™ System is UL approved. All power supplies are UL / ETL listed

### SERVICE AND INSTALLATION:

Field Serviceable, typically LEDs can be replaced in the field.  
The LightPanel™ System can be predrilled by our production team with customer's specifications.

\*See technical sheet in the back of brochure for disclaimers on how to drill a panel or how to request predrilled holes in a panel for easy installation.



# Optional Specifications

## ILLUMINATED FACES:

Single and Dual-Sided Illumination

## TAPING OPTIONS:

Reflective Tape and Tapeless Options for applications that require a seamless design

## SPECIAL MEDIA FRAMES AND ENCLOSURES:

- a. Aluminum Snap Frames adjustable for changing graphic material
- b. Acrylic Overlay Frame – Clear Acrylic Frame for Graphic Media Display
- c. Glass Overlay Frame – Graphic Media Display

## MULTIPLE PANEL MOUNTING OPTIONS:

- a. Z Clips
- b. Stand Offs
- c. Pre-Drilled
- d. All are drillable on site
- e. Key-Hole Frames
- f. Mirror Clips
- g. Pendant Cable Mounts

## COLOR TEMPERATURES:

2400K	4000K
2600K	4400K
2700K	4800K
3000K	5300K
3500K	6500K





BACKLIT GLASS BLOCK FACADE- COACH STORE  
TORONTO, CAN

# BASIC LightPanel™ System

The **BASIC LightPanel™** is built for seamless design integration with a thin profile starting at 1/4" thin to provide an ultra-slim sheet of light. Low power LEDs are integrated with an optical grade etched acrylic to provide evenly distributed lighting. The **BASIC LightPanel™** is a versatile light source that generates a soft glow with virtually no heat.

The unique design of The **BASIC LightPanel™** allows use in a large number of applications:

Hospitality  
Retail  
Healthcare  
Residential  
Commercial Interior  
Commercial Exterior

Accent Lighting  
Cove Lighting and Millwork  
Task Lighting  
Branding, Logos and Signage  
Custom Fixtures

*\*See additional technical information in the back of this brochure.*

## ADDITIONAL FEATURES:

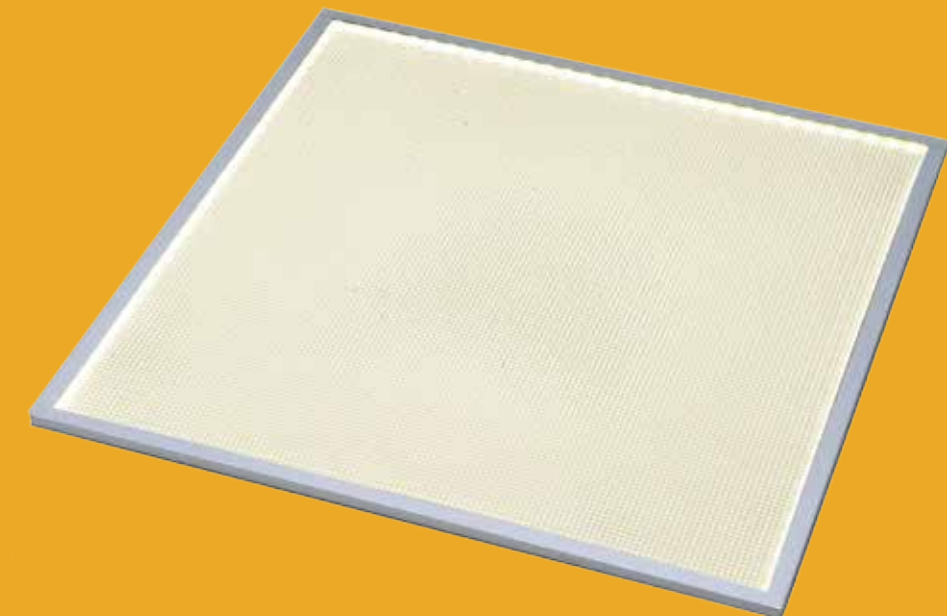
Standard 12V Power or 24V High Power depending on the application

5W per linear ft. / 360 Lumens per foot for 12V Output

10W per linear ft. / 720 Lumens per foot for 24V Output

## COMPATIBLE POWER SUPPLIES:

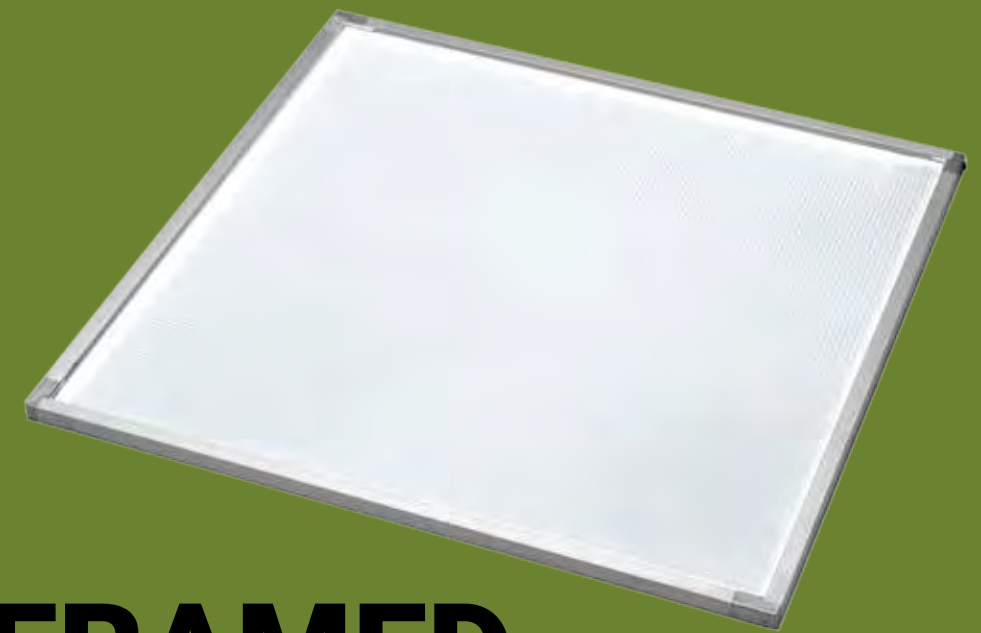
DMX-Compatible  
DALI Accessible  
Magnetic Low Voltage  
Remote Control In-Line Dimmer  
0-10V Dimmable







EJE TRAVEL STORE- NEWARK LIBERTY INT'L AIRPORT  
NEWARK, NJ



# FRAMED LightPanel™ System

The **FRAMED LightPanel™** System was designed for finished applications where the LED light panel would be visible and a finished profile is required.

The **FRAMED LightPanel™** offers finished aluminum profiles starting at 1/4" thin. This unique design provides an ultra-slim sheet of light with a finished aluminum edge to offer quick solutions for applications where time is of the essence.

The **FRAMED LightPanel™** can be used in a number of behind the scenes and production applications:

Branding, Logos and Signage  
Backlit Artwork  
Retail  
Healthcare  
Residential  
Commercial Interior  
Custom Fixtures  
Artistic Lit Walls  
Art Installation

#### PROFILE OPTIONS:

- C Shaped Channel Frame (7/16" Total Thickness)
- J Shaped Channel Frame (1/4" and 5/16" total thickness)

#### ADDITIONAL FEATURES:

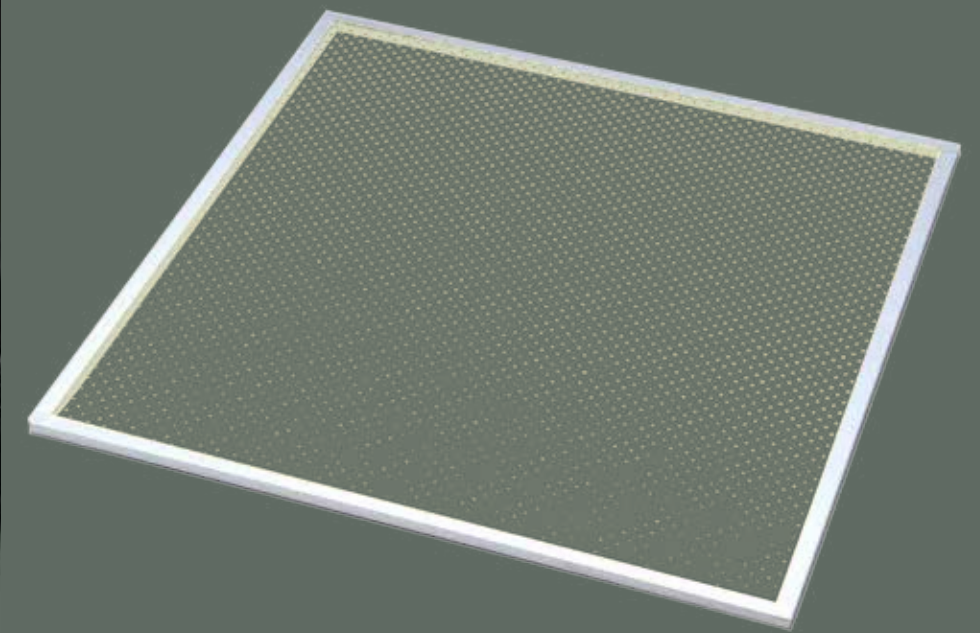
All aluminum frames may be painted upon request.

\*See additional technical information in the back of this brochure





**DOUBLE SIDED ILLUMINATION SHELF- SLS HOTEL  
MIAMI BEACH, FL**



# CRYSTAL LightPanel™ System

The **CRYSTAL LightPanel™ System** is a clear dual-sided ultra-slim sheet of light. To give even light output from both sides of the panel.

The **CRYSTAL LightPanel™ System** can be delivered framed or frameless. It was developed to be used in two-way shelving, blade type signage and partition walls.

#### ADDITIONAL FEATURES:

Aluminum Frame Options available for a finished edge look  
12V Standard Power LEDs or 24V High Power LEDs

*\*See additional technical information in the back of this brochure*





COLOR CHANGING KIOSK- GARRETT POPCORN CHICAGO, IL

# RGB LightPanel™ System

The RGB LightPanel™ System offers Red, Green & Blue LEDs on the same chip allowing lighting designers the ability to change colors in their design. The colors can be adjusted to any Pantone selected by the designer allowing versatility and imaginative applications.

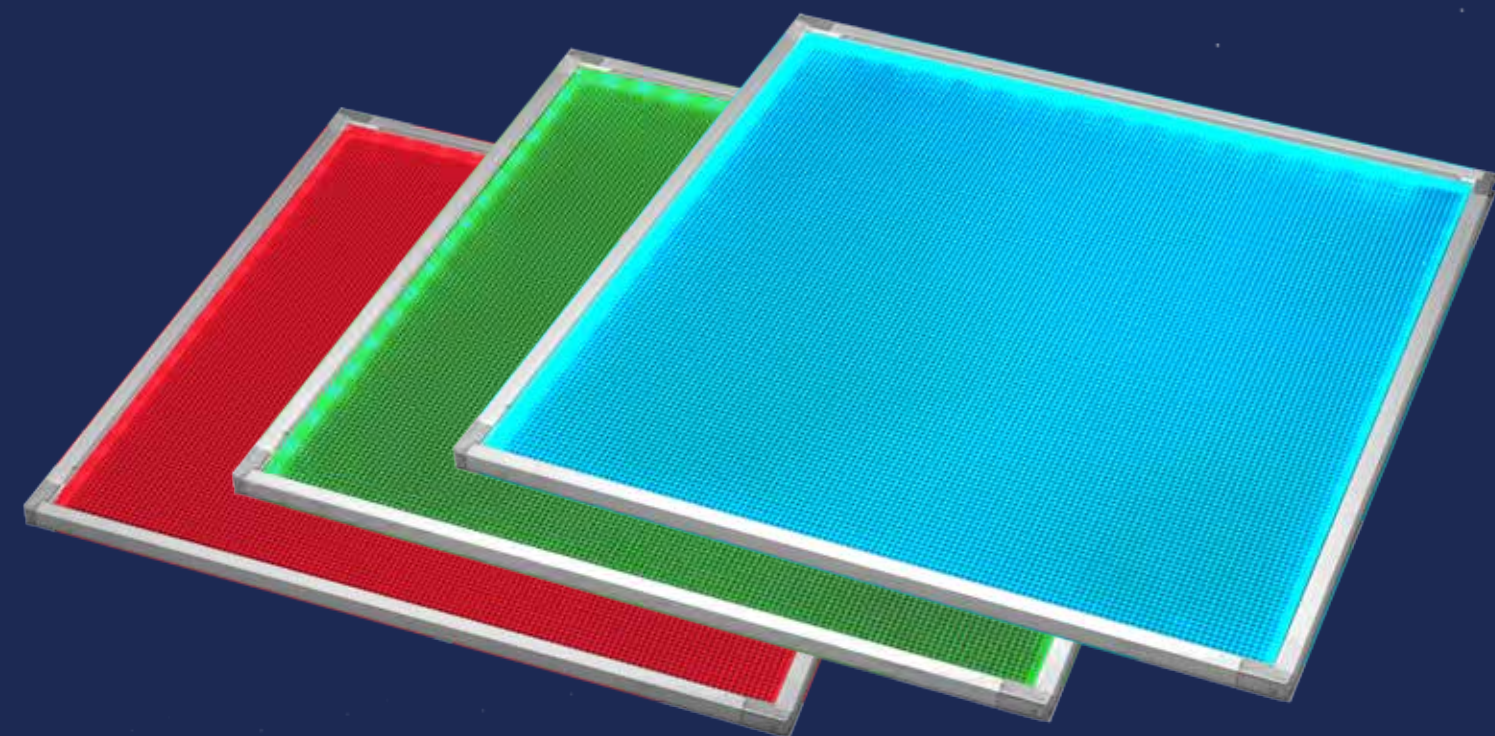
## Applications of The RGB LightPanel™ System:

- Hospitality
- Retail
- Residential
- Bars and Restaurants
- Commercial Interior
- Commercial Exterior
- Accent Lighting
- Cove Lighting and Millwork
- Branding, Logos and Signage
- Custom Fixtures

## ADDITIONAL FEATURES:

- Pantone spectrum match
- Can be delivered framed or frameless
- Adjustment of color transitions from 1/10 of a second to 3.4 seconds
- 24V Standard Power

*\*See additional technical information in the back of this brochure.*







CLEAN WHITE TO WARM WHITE- RITZ CARLTON  
WASHINGTON, DC

# COLOR TUNING LightPanel™ System

The **COLOR TUNING LightPanel™** design was developed to have a color range of white lighting allowing light adjustment that spans from day to evening and warm white to clean white.

The unique design of The **COLOR TUNING LightPanel™** allows designers the opportunity to adjust the white color temperature for ambiance and intended color rendering in any environment. Reds are Red. Blues are Blues, and Yellow is Yellow. Look closely at photos above.

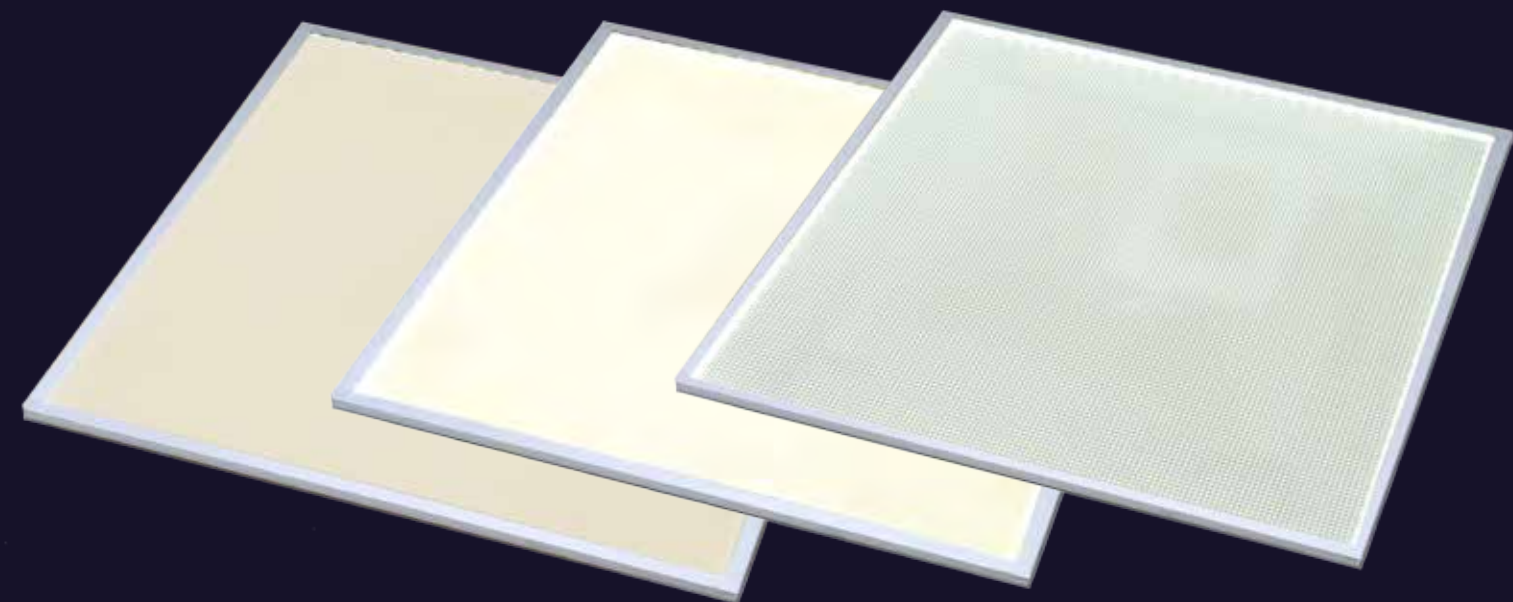
The **COLOR TUNING LightPanel™** applications:

Hospitality  
Retail  
Residential  
Bars and Restaurants  
Spas

Commercial Interior  
Accent Lighting  
Cove Lighting / Millwork  
Ambient Lighting  
Custom Fixtures

#### ADDITIONAL FEATURES:

Frame and Frameless Options  
Reflective Tape and Tapeless Options  
for applications that require a seamless design



\*See additional technical information in the back of this brochure





**DELTA ONE™ AT LAX**  
LOS ANGELES, CA



# **MEDIA FRAME** **LightPanel™ System**

The **MEDIA FRAME LightPanel™** is designed to give designers options to display graphics and media.

The **MEDIA FRAME LightPanel™** Types include Snap Frames, Acrylic Overlay Frame, Glass Overlay Frame, and Suspended Ceiling Media Frames.

The various types of **MEDIA FRAME LightPanel™** available can be used to accommodate a large number of applications:

- Branding, Logos and Signage
- Custom Fixtures
- Custom Art Display
- Hospitality
- Retail
- Healthcare
- Residential
- Bars and Restaurants
- Commercial Interior

\*See additional technical information in the back of this brochure





**CUSTOM CUT CHANNEL LETTERS**  
**TOPSHOP FLAGSHIP STORE**  
**5TH AVE, NYC**

# CUSTOM SHAPE LightPanel™ System

The **CUSTOM SHAPE** LightPanel™ can accommodate any flat shape up to maximum panel size including ovals, diamonds, triangles, channel letter, logos and small radius curves. Available in all white color temperatures, color changing and clear (dual-sided illumination) options.

The **CUSTOM SHAPE** LightPanel™ allows designers to back light custom shapes in a number of applications:

- Branding, Logos and Signage
- Custom Fixtures
- Custom Art Display
- Hospitality
- Retail

- Healthcare
- Bars and Restaurants
- Spas
- Commercial Interior
- Commercial Exterior

### ADDITIONAL FEATURES:

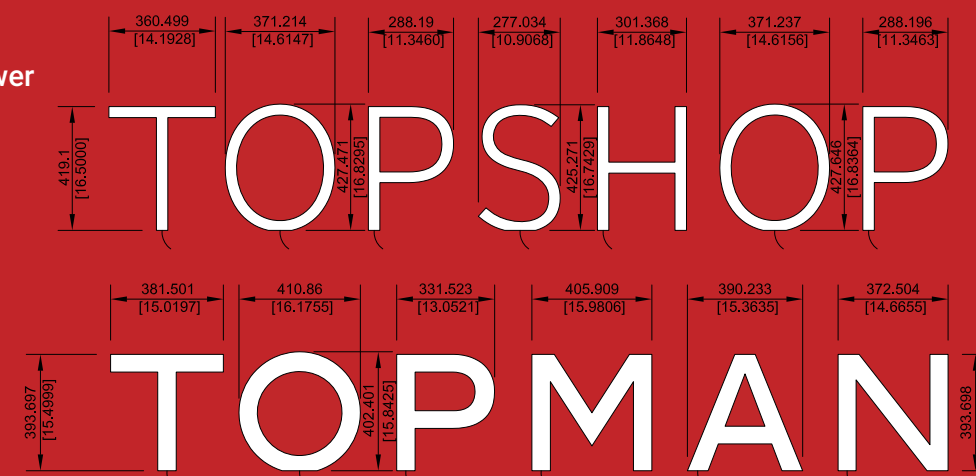
Standard 12V Power or 24V High Power depending on the application

5W per linear ft. / 360 Lumens per foot for 12V Output

10W per linear ft. / 720 Lumens per foot for 24V Output

### COMPATIBLE POWER SUPPLIES:

- DMX-Compatible
- DALI Accessible
- Magnetic Low Voltage
- Remote Control In-Line Dimmer
- 0-10V Dimmable



\*AutoCAD for custom shapes drawings are provided by designers. If AutoCAD drawings are not available, our team can help with customization.

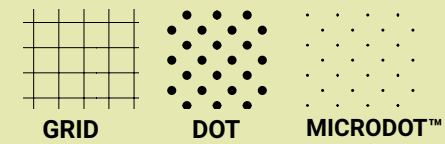


# eOS LightPanel System

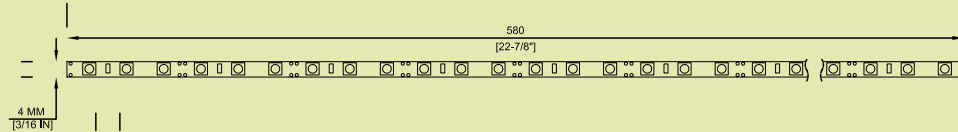
# Technical Specifications

## eOS LightPanel™ System

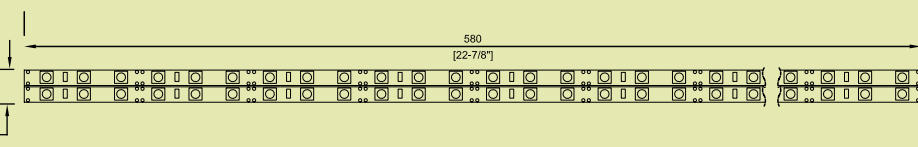
### LIGHTWEB TECHNOLOGY™ PATTERNS



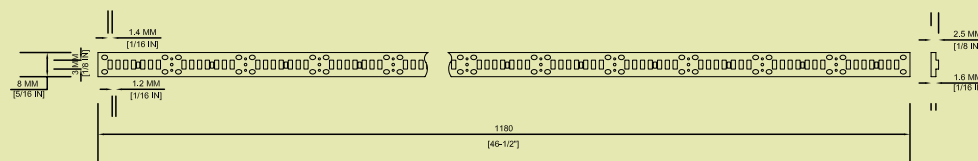
### 12V LED STANDARD OUTPUT LEDs - 5W per Linear Foot



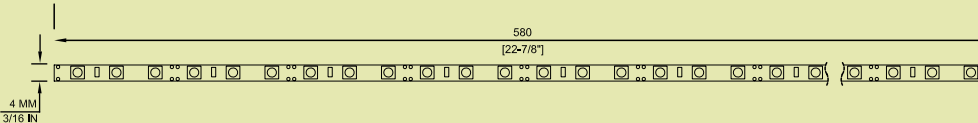
### 24V HIGH POWER FLEXIBLE LEDs - 10W per Linear Foot.



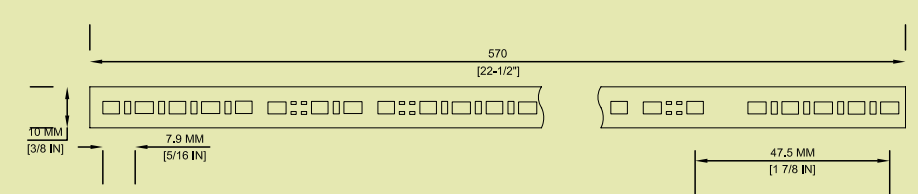
### 24V HIGH POWER LED - 9W per Linear Foot



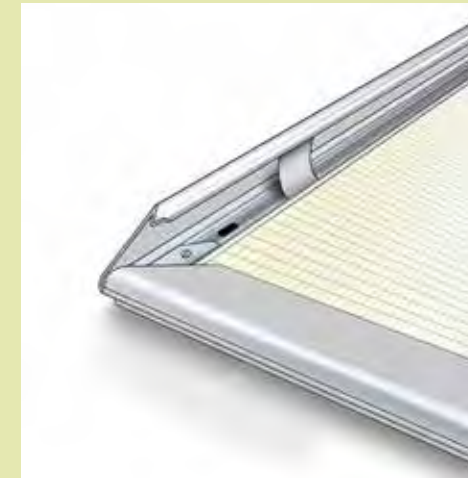
### 24V STANDARD POWER RGB LEDs - 5W per Linear Foot



### 12V COLOR TUNING LEDs - 2700K to 5300K, 7W per Linear Foot



## MEDIA FRAME LightPanel™ System



SNAP FRAME - SF1 AND SF2

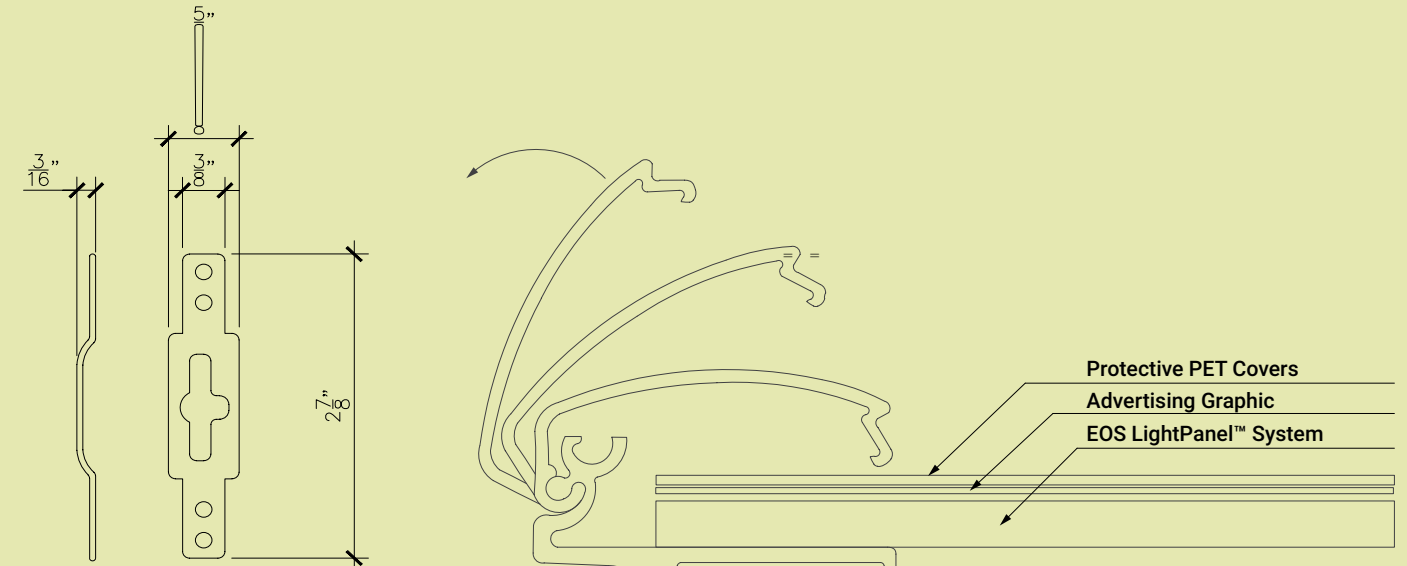


GLASS OVERLAY FRAME

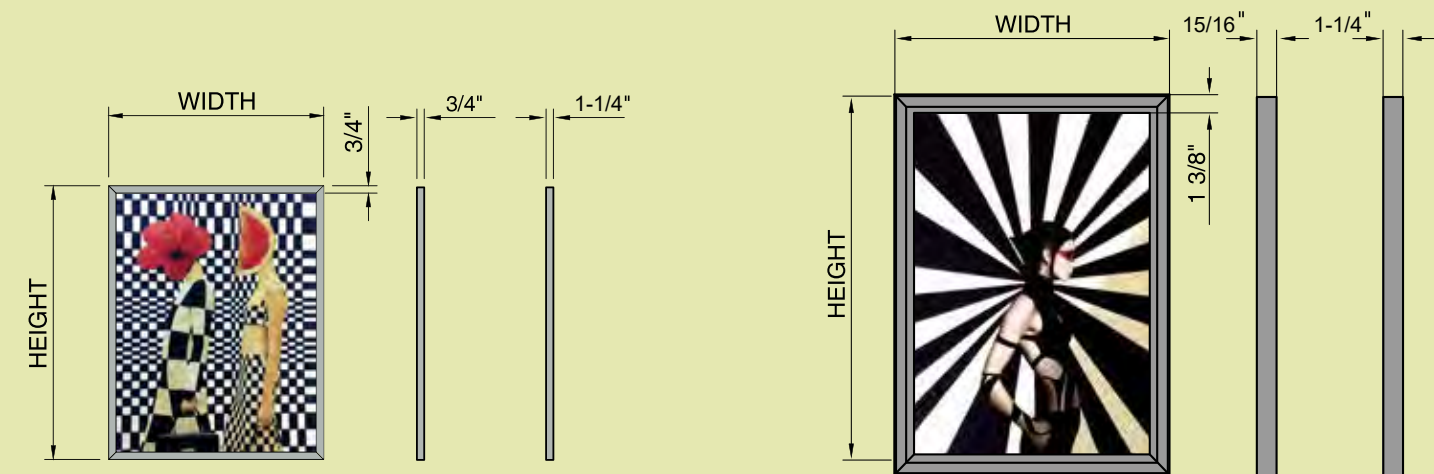


ACRYLIC OVERLAY FRAME

## MEDIA FRAME LightPanel™ System



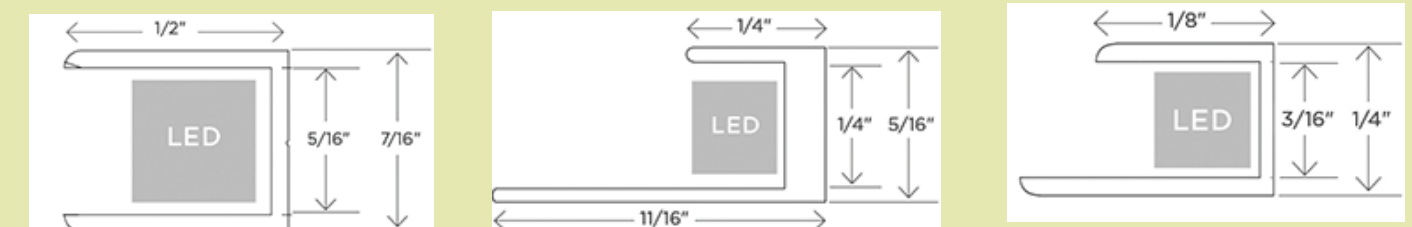
SNAP FRAME MOUNTING BRACKET



SNAP FRAME - SF1    12V    24V

SNAP FRAME - SF2    12V    24V

## FRAMED LightPanel™ System



C SHAPED CHANNEL  
FRAME 7/16"

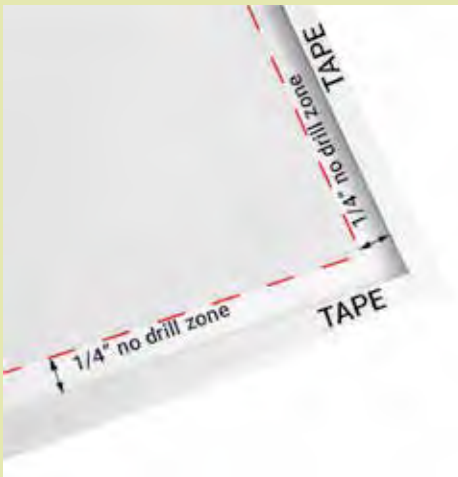
J SHAPED CHANNEL  
FRAME 5/16"

J SHAPED CHANNEL  
FRAME 1/4"



# Installation Instructions

# Additional Information



## Drilling Instructions:

- Drill pilot holes before securing panel with screws.
- Use the highest grit drill bit as possible.
- Drill on a flat supportive surface.
- Drill from the back to the front to get thru the reflective film first.
- See diagram above for drilling safe area

**\*EOS IS NOT RESPONSIBLE FOR ANY SPLINTERING OR ANY OTHER ERRORS THAT MAY OCCUR WHEN DRILLING A PANEL ON SITE.**

## Instructions for Specifying EOS LightPanel™ System

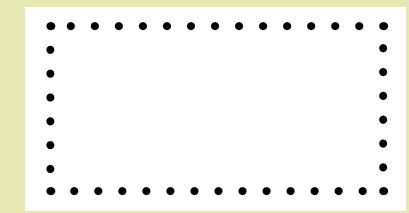
Please visit our product code information page at:

[www.lightwithart.com/form-eos/form.php](http://www.lightwithart.com/form-eos/form.php)

Here you can provide us all of the necessary information to register your project, generate a product code for your specified product, and also submit your request for pricing

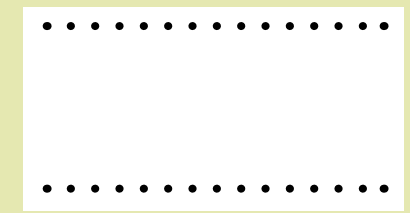
## How to Select Number of LED Sides

THE NUMBER OF SIDES WITH LED IN A PANEL IS DETERMINED BY THE APPLICATION



### ALL SIDES

- Max. Recommended Light Throw: 78"
- APPLICATION EXAMPLES:
- Retail
- Signage
- Max. Output and/or Largest Panels Needed



### TWO SIDES

- Max. Recommended Light Throw: 60"
- APPLICATION EXAMPLES:
- Hospitality
- Larger Panels
- Medium Light Output Needed



### ONE SIDE

- Max. Recommended Light Throw: 12"
- APPLICATION EXAMPLES:
- Residential
- Low Power
- Dim Lighting or Thin Strips

## Handling Labels



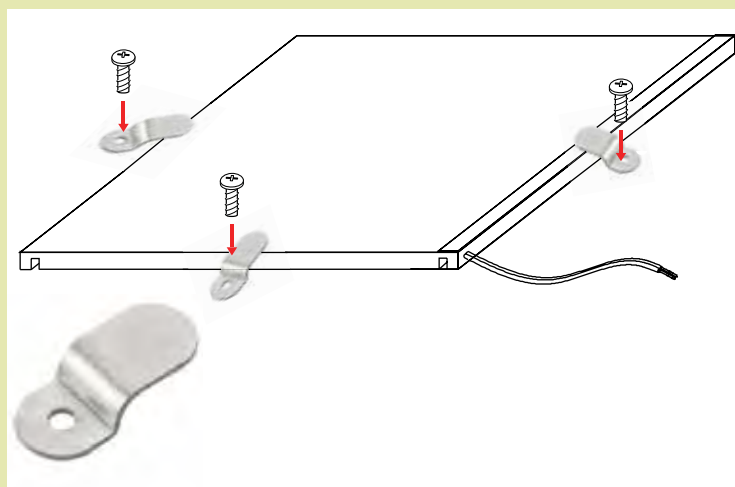
## Approvals and Certifications

OUR PRODUCTS ARE UL LISTED FOR ARCHITECTURAL APPLICATIONS AND UL RECOGNIZED FOR SIGNAGE



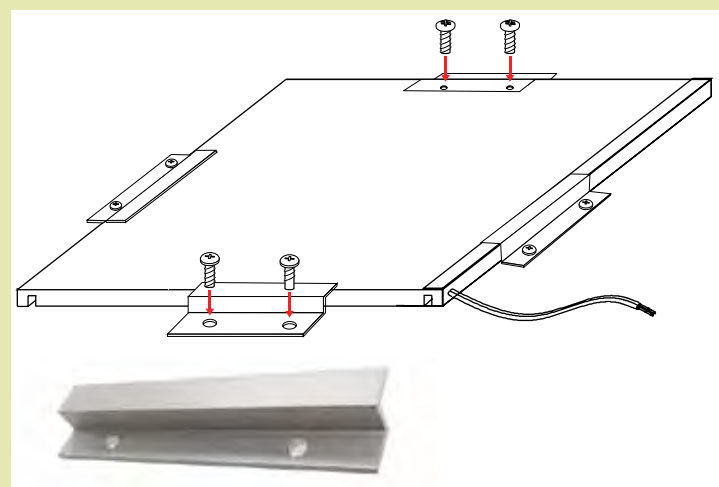
## Mounting Accesories \*Mounting Accessories not provided.

### PANEL WITH MIRROR CLIPS



\*Use Mirror Clips to mount on a flat surface

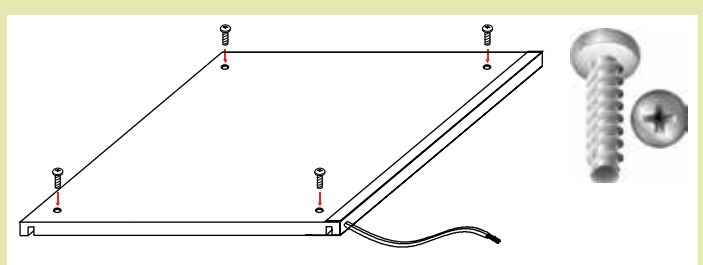
### PANEL WITH Z CLIPS



Use Z Clips to mount to a wall and secure with screws

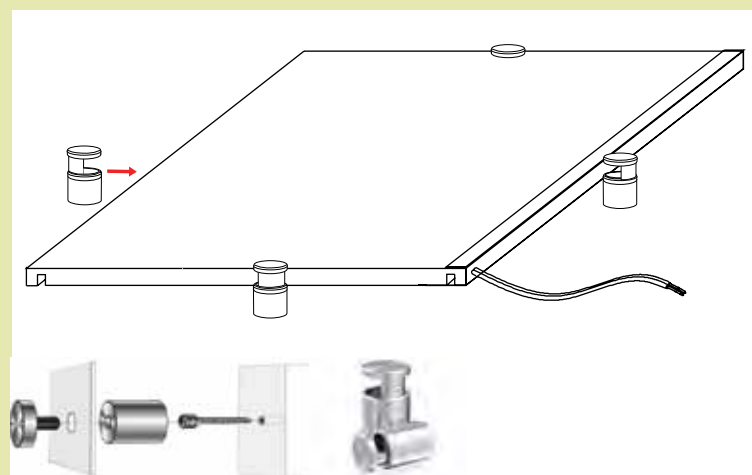
### PANEL WITH PREDRILLED HOLES

\*Holes can be drilled at factory according to drawings supplied (recommended).



Secure panel with screws

### PANEL WITH STANDOFFS



Use Standoffs to mount to a wall and back light acrylic

### ADDITIONAL MOUNTING DETAILS

Panels can be attached using a Keyhole Bracket



**Q: WHAT ARE LIGHT PANELS?**

A: Light Panels are etched optical grade acrylic sheets with LEDs mounted on the edge of the acrylic. The etching acts like fiber optics. When the LEDs are illuminated, the pattern carries the light throughout the acrylic turning it into a sheet of light.

**Q: HOW DO YOUR PANELS HAVE SUCH EVEN AND UNIFORM LIGHT THROUGHOUT THE PANEL?**

A: The best possible method of delivering light through an optical grade acrylic is by laser etching a light guide into the material. Our technology takes into account:

*The overall Size of the panel, the type of LEDs selected, the Color Temperature, the Number of Sides the LEDs are placed, the Lumen Output of the LEDs and the Application for which the panels are being selected.*

By taking into account these determining factors, we custom laser etch each panel particularly for our customers and can guarantee uniformity throughout the material.

**Q: HOW DO I POWER THE PANELS?**

A: Our panels can be both hardwired and plug in, even battery operated for special cases.

**Q: ARE YOUR PRODUCTS DIMMABLE?**

A: Yes, absolutely. There are many ways to control the panels; MLV Triac Dimming, 0-10V Dimming, In-Line Dimming, DMX/DALI for our Color Changing Products, and our power supplies are compatible with most if not all control systems.

**Q: HOW LONG DO THE PANELS TYPICALLY LAST?**

A: The LEDs last a minimum 50,000 hours. The technology has a very low power draw and emits very little heat, which allows our LEDs to last a minimum of 50,000 hours. This translates to 5.7 years @ 24/7 operation, 11.4 years @ 12 hours per day, and 22.8 years at 6 hours per day. However, the etched acrylic does most of the work. The good news is the panels may be serviced in the field. When the LEDs need to be replaced, we can provide you with a service manual and we can offer you new LEDs. This way you can replace the LEDs in the field without having to purchase new panels.

**Q: WHAT IS YOUR TYPICAL TURNAROUND TIME?**

A: Even though our products are custom made to order and our typical lead time is 2-3 weeks to produce up to 100 pieces of sizes up to 10' x 5'. Transit time will vary based on location, size of order, and freight method chosen. Including transit after our typical lead time is 2-3 weeks.

**Q: ARE SAMPLES AVAILABLE FOR REVIEW?**

A: Yes, please contact our office and we will be more than happy to send one out to you.

**Q: WHAT IS THE LARGEST SAMPLE YOU CAN PROVIDE FOR A CLIENT REVIEW?**

A: Our sales representatives have 12" x 12" panels for loan. If we need anything larger, typically those have to be purchased. To find out if you have a local representative in your area, please contact us at: [info@lightwithart.com](mailto:info@lightwithart.com).

**Q: WHAT MATERIALS DO YOU TYPICALLY BACKLIGHT?**

A: Anything that is translucent: *Translucent stone, Architectural acrylics, Decorative and Stained Glass, Backlit Film, i.e., DuraTrans™ and sometimes nothing at all.*

**Q: HOW DO I BUTT-JOINT MORE THAN ONE PANEL TOGETHER AND NOT HAVE ANY SEAM LINES OR HOT SPOTS FROM THE LEDS?**

A: It truly depends on the material being illuminated. Some materials are more transparent than others. In order to pre-judge when we butt join two panels together, our experts will work with you to help hide or eliminate any hotspots and/or seam lines. The results depend on what we are backlighting, and do we need any space between the material and our panel to eliminate any seam lines. If we are backlighting any acrylics or glass, typically 1"-3" will eliminate the seam. Stone is very favorable, and typically we don't need any space. All should be tested as a mockup to confirm before any permanent installation.

**Q: DOES EOS PROVIDE MATERIALS TO BACKLIGHT, SUCH AS ACRYLIC OR GLASS?**

A: EOS doesn't provide any backlit materials, you will need to source the backlit materials separately. However, we can provide you with guidance based on materials we have worked with in the past.

**Q: DOES EOS PROVIDE INSTALLATION?**

A: No, we do not, however we can assist your team by providing instructions and any further guidance your installers will need.

**Q: CAN I USE YOUR PRODUCTS OUTDOORS?**

A: EOS takes on outdoor applications on a case by case basis. Since the base of our product is acrylic, and acrylic expands and contracts with heat and cold, we will have to custom design a solution with you to help you incorporate our technology into your designs.

For Additional Information such as Maximum and Minimum Sizes please see the General Specifications page of this brochure.

**1. PAYMENT TERMS**

Payment of the total invoice is a Prepay unless a Credit Application has been accepted and approved by EOS Light Panel Systems. If the Credit Application submitted to EOS has been approved, the total invoice is Net-30 days after the invoice date, payable in U.S. dollars to EOS. For existing customers, no orders will be sent to production when their account is 45 days past due, or their account balance and incoming orders exceed the credit limit. Customers without prior established credit terms must prepay 100% on all orders up to \$10,000. For orders over \$10,000, terms are 50% deposit to begin production and the remaining balance will be due before shipment.

**2. WARRANTY**

EOS warrants its products to be free of defects in material or workmanship for three years from the date of shipment. SUCH WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. EOS will repair or replace any products that fail to meet this warranty, limited to three years. No back-charge, or charge for labor or material, that does not have EOS's prior written approval will be honored, accepted or paid by EOS.

**3. RETURNS**

- The purchaser must receive a Return Goods Authorization number, using EOS's standard form.
- Return of defective products will be accepted only within 60 days of RGA date.
- RGA number must be shown on the exterior of the package. A packing slip must be supplied with a copy of the approved RGA.
- Unauthorized returns will not be accepted.
- Returned goods are subject to inspection to identify EOS's liability in order to repair, replace or issue credit.
- Restock charges apply, unless waived in writing.

**4. CANCELLATION**

Orders for standard products may be cancelled prior to their manufacturing date and are subject to a 50% cancellation charge. Special, custom or modified products cannot be cancelled after they are in any process of manufacturing.

**5. CATALOG AND PRICE LIST ERRORS**

We make every effort to avoid errors in catalogs, price list and forms. We will not accept responsibility or labor chargeback in connection with errors such as measurements, press, description, etc.

**6. FREIGHT TERMS: MINIMUM FREIGHT AND HANDLING \$50.**

- Standard freight terms are F.O.B. factory; "prepay and charge", and ownership transfers upon signature of shipper's bill of lading.
- Prepay shipping charges will be added to the invoice. Claims for freight related damages and shortages of packages should be made to the carrier. This includes orders that have been quoted with freight expenses.
- Shipping dates given by EOS are estimates only, and should not be considered as a fixed or guaranteed date.
- EOS will not be responsible for any damages, penalties or back charges of any kind, resulting from delayed shipments or its inability to ship by the acknowledged shipping date. GOODS CANNOT BE RETURNED FOR FAILURE TO MEET ESTIMATED DELIVERY DATES.

**7. GENERAL TERMS**

This agreement and any credit applications submitted by the purchaser, represents the entire agreement between the parties hereto and a final expression of their agreement with respect to the purchase of EOS goods and services, and supersedes all prior written agreements, oral agreements, representations, understandings and negotiations with respect to the matters covered by this Agreement. This Agreement shall be binding on, and shall inure to the benefit of the heirs, executors, administrative, successors and assigns of the parties hereto.

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NEW YORK, NY

