





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:

160" X 80" - 15' X 6'-7"

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:

4.3 W/Ft . - 24V Standard Power 5 W/ Ft. - 24V - High Power

POWER OUTPUT:

12VDC & 24VDC (Standard)

INPUT VOLTAGE:

100V to 480V

DIMMABLE:

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

COMPATIBILITY:

USB Compatible.

* Max. Size 40 Linear inches

LEDs:

ANSI Binned LEDs from Tier 1 Suppliers LED CRI > 80

LED CRT - 2400k - 7500k

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:

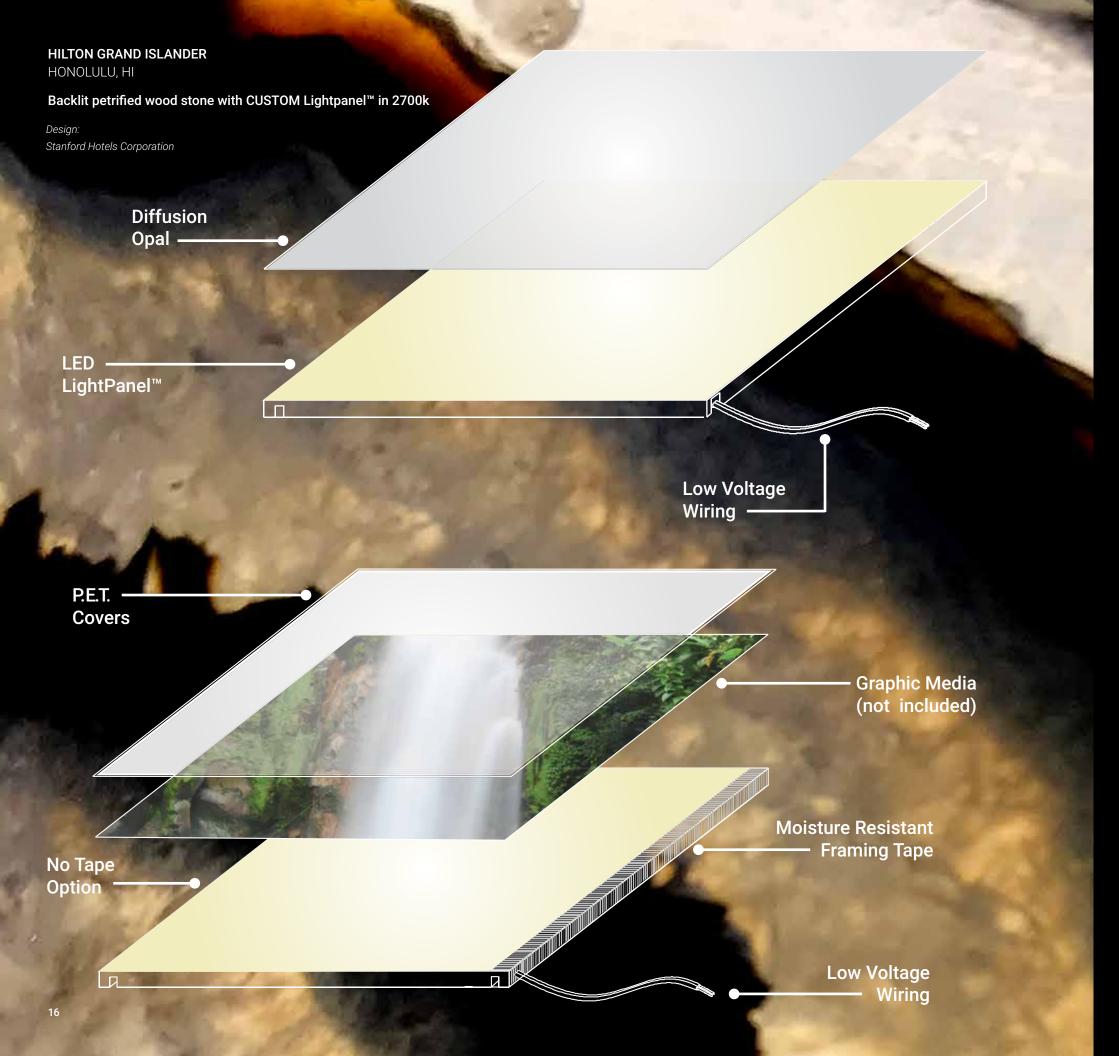
The LightPanel™ System is UL approved. All power supplies are UL / ETL listed.

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. Predrilled holes on <u>outdoor</u> LightPanels will reduce IP rating.

*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

MULTIPLE PANEL MOUNTING OPTIONS:

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

COLOR TEMPERATURES:

2400k 4800k 2700k 5300k 3000k 6500k 3500k 7500k

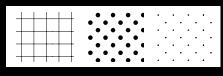
4000k UV (Ultraviolet)

4400k RGB, RGBW and Color Tuning

POWER OUTPUT:

12V / 24V Standard Power 12V / 24V High Power

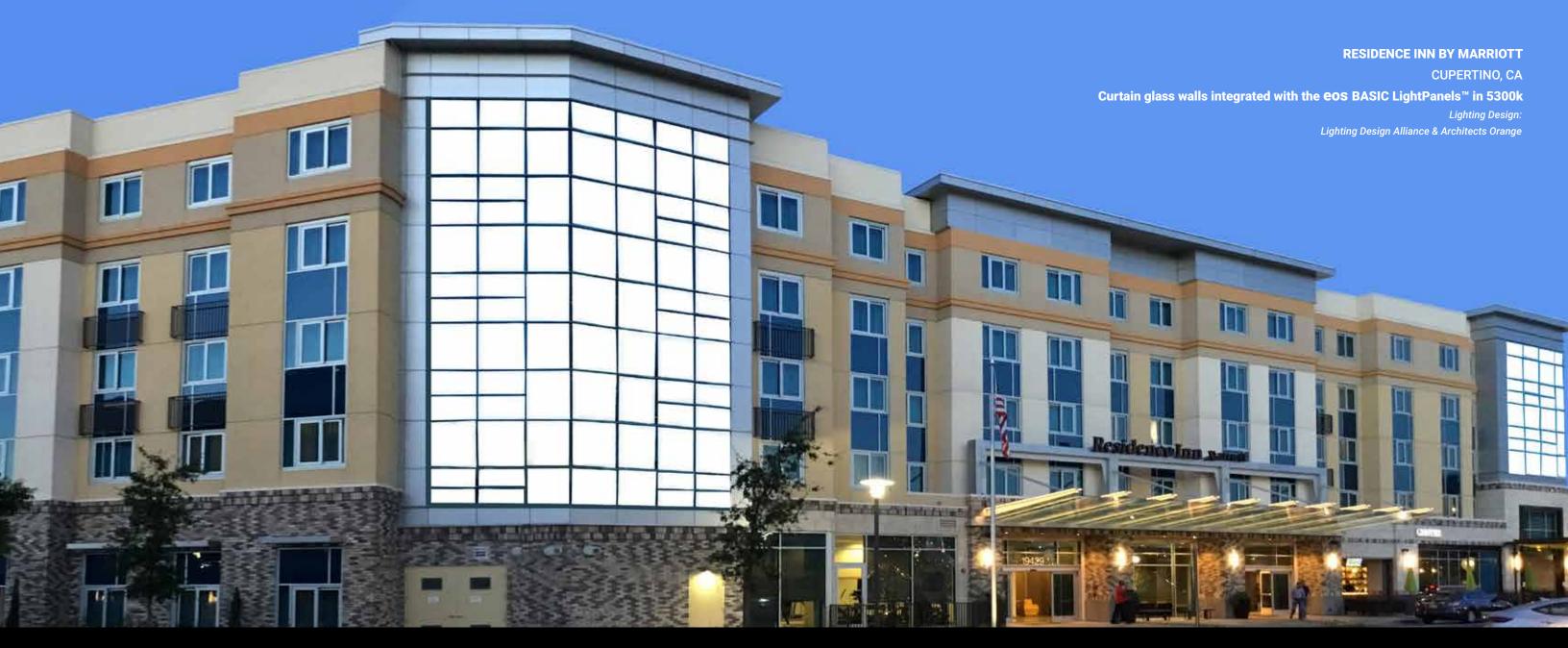
LIGHTWEB TECHNOLOGY™ PATTERNS:



GRID

DOT

MICRODOT™



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

ADDITIONAL FEATURES:

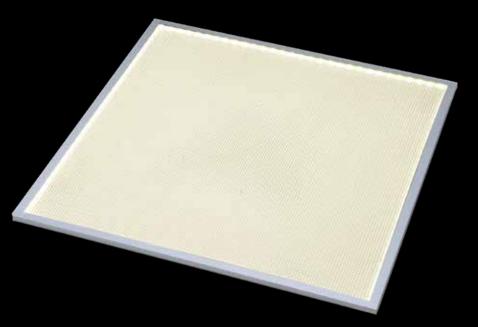
Standard and High Power depending on the application

4.3 W/Ft. - 24V Standard Power 5 W/ Ft. - 24V - High Power

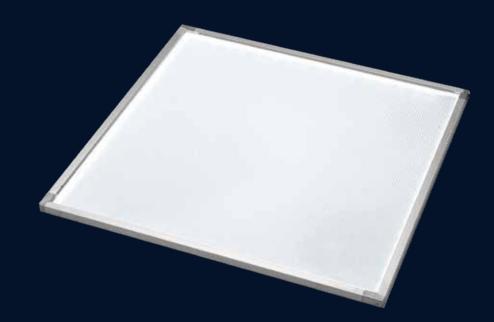
*Visit eoslight.com for latest wattage information

COMPATIBLE POWER SUPPLIES:

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







FRAMED LightPanel™ System

The FRAMED LightPanel™ System is designed for finished applications where the LED light panel and profile will be visible.

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:

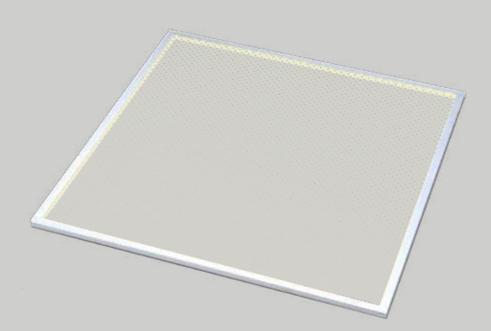
- C Shaped Channel Frame (7/16" Total Thickness)
- J Shaped Channel Frame (1/4" and 5/16" total thickness)

ADDITIONAL FEATURES:

All aluminum frames may be painted upon request.

*See additional technical information in the back of this brochure





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

Available in both Standard and High Power

Available in all color temperatures, including RGB, RGBW and Color Tuning

*See additional technical information in the back of this brochure



COLOR LightPanel[™] System

The **COLOR** LightPanel™ System offers Red, Green, Blue and *Optional White* (RGB or RGBW) 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 COLOR 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

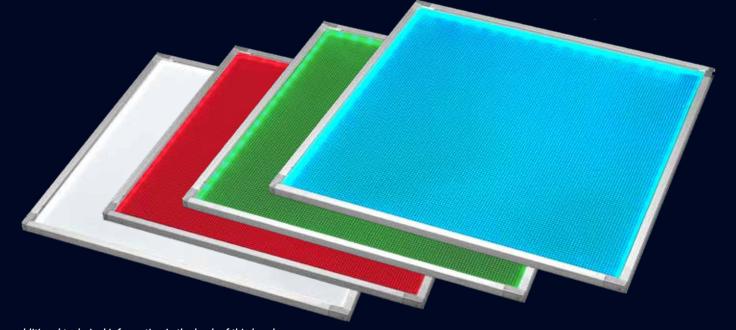
Can be delivered framed or frameless

Adjustment of color transitions from 1/10 of a sec. to 3.4 sec.

RGB - 4W per Linear Foot

RGBW - 4W per Linear Foot (white can be specified based on availability)

Standard White Options: 2700k, 3000k, 4000k and 5300k



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

*Visit eoslight.com for latest wattage information





CURVED LightPanel™ System

The **CURVED** LightPanel[™] combines our Lightweb[™] Technology + our Optical Grade Acrylic's inherent thermoplastic properties to offer nearly endless Three Dimensional Design possibilities.

The **CURVED** LightPanel™ is a versatile light source that generates a soft glow with virtually no heat while adapting to curved designs.

Hospitality
Retail
Healthcare
Residential
Commercial Interiors
Commercial Exteriors

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

ADDITIONAL FEATURES:

Standard and High Power options depending on the application

2.8 W/Ft . -12V / 24V Standard Power

*ask eos specialist for information on 4400k, RGB, RGBW and Colo Tuning options on case by case basis.

COMPATIBLE POWER SUPPLIES:

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



COLOR TUNINGLightPanel™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.

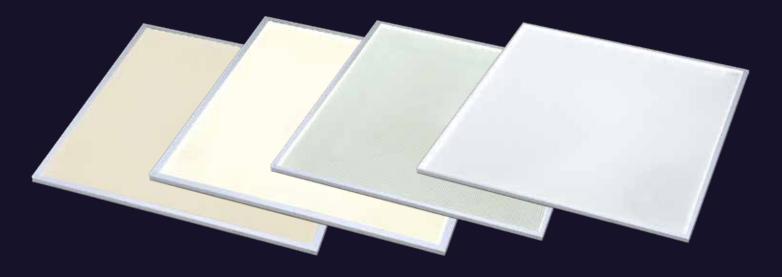
The unique design of The **COLOR TUNING** LightPanel™ allows designers the opportunity to adjust the white color temperature for ambiance and intended color rendering in any environment.

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

5 Watts per Linear Foot



*See additional technical information in the back of this brochure *Visit eoslight.com for latest wattage information



MEDIA FRAME LightPanel™ System

The family of **MEDIA FRAME LightPanels**™ are 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 Celling 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 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 and High Power depending on the application

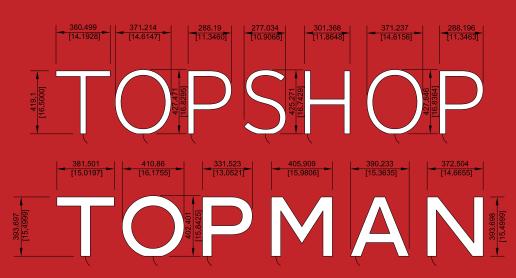
4.3 W/Ft . - 24V Standard Power

8.6 W/ Ft. - 24V - High Power

*Visit eoslight.com for latest wattage information

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.

www.creoindustrialarts.com



OUTDOOR

LightPanel™ System

The **OUTDOOR LightPanel**[™] design was developed for outdoor applications and is uniquely designed to resist rough weather conditions such as rain or snow with an IP65 rating.

The **OUTDOOR** LightPanel™ can be used in a variety of environments (outdoors and indoors) with varied conditions that include dry and damp locations.

Hospitality Retail Healthcare Residential Branding, Logos and Signage Custom Fixtures Commercial Interior Commercial Exterior

ADDITIONAL FEATURES:

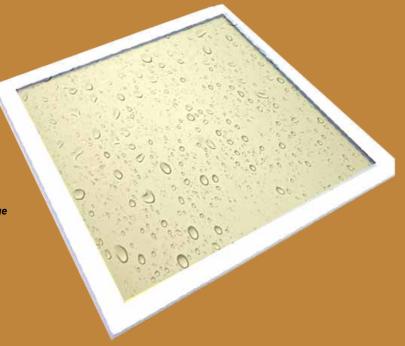
Standard and High Power depending on the application

4.3 W/Ft. - 24V Standard Power

*ask eos specialist for information on color temperature and wattage

COMPATIBLE POWER SUPPLIES:

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





ARCHITECTURAL MILLWORK

LightPanel™ System

The ARCHITECTURAL MILLWORK LightPanels™ are slim LED LightPanel™ strips designed exclusively for custom cabinets, doors, windows, mouldings, alcoves and accent lighting. The thin LED LightPanel™ strips distribute light evenly, eliminating hot spots otherwise visible with tape lighting.

The **ARCHITECTURAL MILLWORK** LightPanel™ System can be integrated to architect's and designer's specifications for any style of custom woodwork from historical restoration to contemporary design.

APPLICATIONS INCLUDE:

Accent Lighting, Cove Lighting and Millwork, Task Lighting Custom Fixtures and Cabinets for Hospitality, Luxury Residential, Retails and Commercial Projects with Custom Millwork.

ADDITIONAL FEATURES:

Standard and High Power depending on the application

4.3 W/Ft . -12V / 24V Standard Power

5 W/ Ft. - 24V - High Power

*Visit eoslight.com for latest wattage information

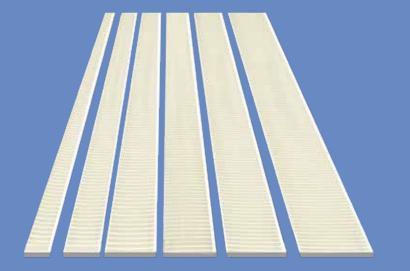
COLOR TEMPERATURES:

2400K 3500K 4800K 7500K

2700K 4000K 5300K UV (Ultraviolet)

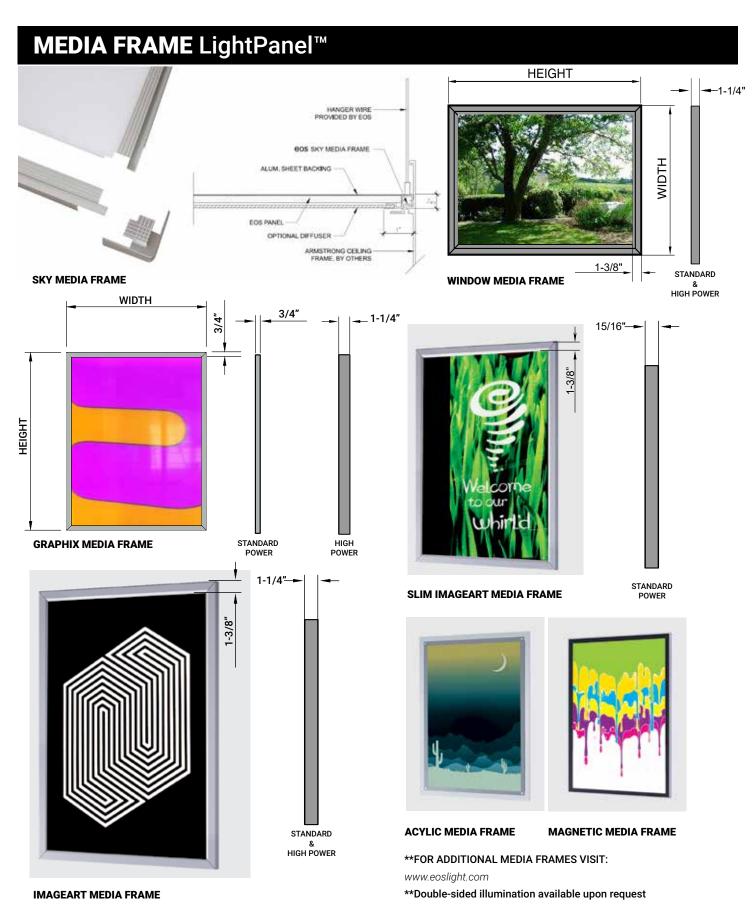
3000K 4400K 6500K

*Available as CLOR Light Panel™ and COLOR TUNING Light Panel™



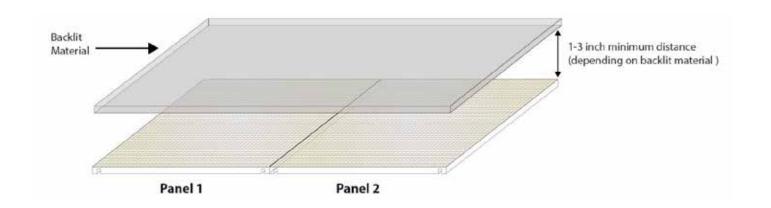
Technical Specifications

eos LightPanel System

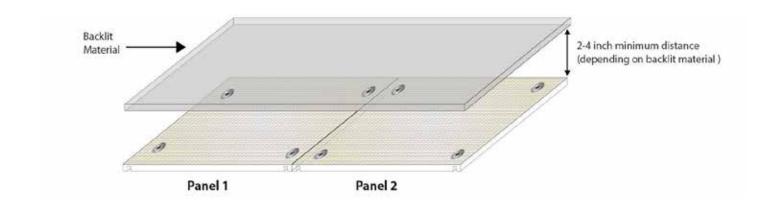


How to Specify Multiple eos LightPanels™ with minimal seams

Minimum Distance to Minimize Seam between Backlit Material and eos LightPanels™



Minimum Distance to Avoid Hot Spots between Backlit Material and eos LightPanels™

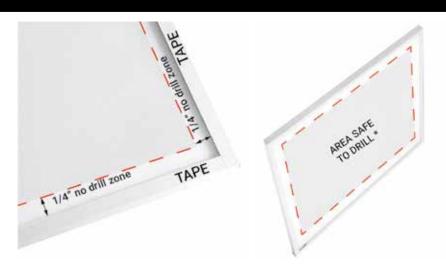


Recomendation from **eos:

Mock Up of Project with samples before placing an order.
Ask your representative for more details.

Installation Instructions

Additional Information



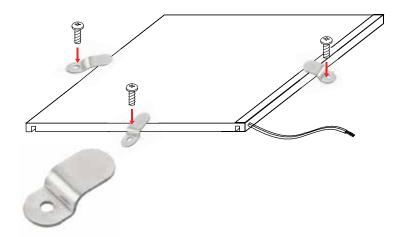
Drilling Instructions:

- -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 through 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.

Mounting Accessories *Mounting Accessories not provided.

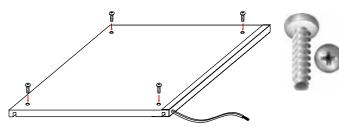
PANEL WITH MIRROR CLIPS



*Use Mirror Clips to mount on a flat surface

PANEL WITH PREDRILLED HOLES

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

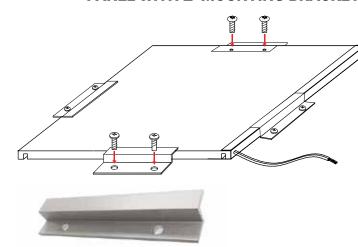


Secure panel with screws

ADDITIONAL MOUNTING DETAILS

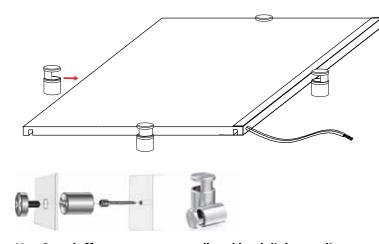
Panels can be attached using a Keyhole Bracket

PANEL WITH Z MOUNTING BRACKETS



Use Z Mounting Brackets to mount to a wall and secure with screws

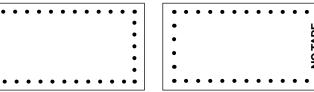
PANEL WITH STANDOFFS



Use Standoffs to mount to a wall and back light acrylic

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:

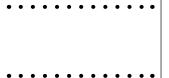
- -Retail
- -Signage
- -Max. Output and/or Largest Panels Needed

THREE SIDES

-Max. Recommended Light Throw: 60"

APPLICATION EXAMPLES:

- -seamless illumination -countertops
- -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

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Handling Labels





Approvals and Certifications

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





eos User Guide



Please scan QR Code to retrive the eos User Guide

Frequently Asked Questions

eos Terms and Conditions

Updated 2017

O: 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?

Ground Shipping - FOB Los Angeles - Lead time is approx. 6-8 Weeks.

Air Freight - Lead Time is approx. 3-4 Weeks.

Lead time depends on the size of the order, for larger orders please allow more time before ordering.

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@eoslight.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 prejudge 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 mock-up 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 <u>unless</u> 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

- a) Unauthorized returns will not be accepted.
- b) Returned goods are subject to inspection to identify EOS's liability in order to repair, replace or issue credit.
- c) 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.

- a) Standard freight terms are F.O.B. factory; "prepay and charge", and ownership transfers upon signature of shipper's bill of lading.
- b) 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.
- c) Shipping dates given by EOS are estimates only, and should not be considered as a fixed or guaranteed date.
- d) 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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