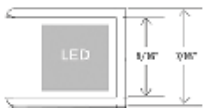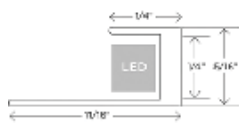# FRAMED **LightPanel** SYSTEM

The **FRAMED** LightPanel System was designed for unfinished applications where the LightPanel would be part of a larger assembly, or the LightPanel is the finished feature and needs to visible with a finished profile.
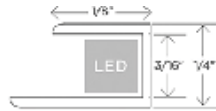
The **FRAMED** LightPanel offers finished aluminum profiles starting at 1/4" thin. This unique design provides an ultra-slim sheet of light with a finished aluminum edge in square or rectangle configurations.

C SHAPED CHANNEL FRAME 7/16"

J SHAPED CHANNEL FRAME 5/16"

J SHAPED CHANNEL FRAME 1/4"

The FRAMED LightPanel allows designers to back light custom shapes in a number of applications:

Branding

Logos and Signage

Backlit Artwork
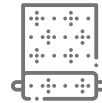
Retail

Healthcare

Residential

Commercial Interior

Custom Fixtures

Artistic Lit Walls

Art Installation

Wayfinding

General Specifications

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

MAXIMUM SIZE :
120" x 80" (consult with eos specialist for recommendations with oversize panels)

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

THICKNESS:
7/16" for C-Shaped Channel Frame, 5/16" or 1/4" for J-Shaped Channel Frame
*Thickness is determined by panel shape, size and color temperature.

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

POWER OPTIONS:
24VDC Standard and 24VDC High Power, 12VDC Available upon request

DRIVER INPUT VOLTAGE :
100V TO 480V

WATTAGE :
4.3 W/Ft . -24V Standard Power (Optional: 12V)
5 W/ Ft. - 24V - High Power
*ask eos specialist for information on RGB, RGBW and Color Tuning options.

DIMMABLE :
The system is dimmable to <10% when matched with Dimmable Power Supplies

LEDs :
ANSI Binned LEDs from Tier 1 Suppliers
LED CRI > 80, 95+ Premium option
LED CRT - 1800K - 7500K

WIRE GAUGE:
20GA Wiring for White and Color Tuning Panels, 24GA for Color

HOSPITAL AND MRI SAFE :
The system contains non-ferrous materials, making the LightPanel safe for MRI suites. The LightPanel Power supply must be installed remotely, up to 30 feet from the application.
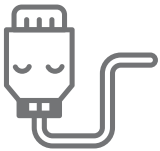
SERVICE AND INSTALLATION :
The LightPanel System can be predrilled by our production team with customer's specifications.

IP RATNG:
Indoor Rated

Optional Specifications

USB COMPATIBLE :
* Max. Size 40" X 40"
  (wattage permitting)

COMPATIBLE POWER SUPPLIES :
• 0-10V dimming • DMX/DALI
• Electronic low voltage (ELV)
• Remote control plug-in
• Inline plug-in
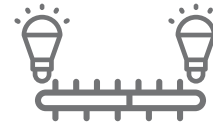
COLOR TEMPERATURES :
• 1800K • 2400K • 2700K • 3000K
• 3500K • 4000K • 5000K • 6000K*
• 6500K • 7500K • UV (Ultraviolet)

*formerly 5300K

MULTIPLE PANEL MOUNTING OPTIONS:
• Z-Profiles • Stand Offs
• Aircraft Cable Mounts • Pre-Drilled holes by factory
• Panels are drillable on site* (use only eos suggested method in brochure)

APPROVALS AND CERTIFICATIONS:
The LightPanel System is UL listed for Architectural applications and UL recognized for signage. All power supplies are UL / ETL listed.

https://eoslight.com/user-guide/

DOWNLOAD OUR USER GUIDE FOR WIRING & INSTALLATION INSTRUCTIONS

c UL us
LISTED
LOW VOLTAGE LUMINAIRE
E480527

c UL us
E467626

CE

RoHS

Product Specification
Ordering Form

NAME:

PROJECT NAME:

ADDRESS:

PHONE:

PROJECT LOCATION:

CITY:

EMAIL:

ANTICIPATED DELIVERY DATE:

ZIP CODE:

COMPANY NAME:

PROJECT SPECIFIER:

RUSH PROJECT: ☐ Yes ☐ No

A	B	C1	C2	D	E	F	G	H	I	J	K	L
QTY	PANEL TYPE	VOLTAGE	DIMENSIONS (INCHES) TOP	SIDE	LED SIDES	COLOR TEMP	LED POWER	DIFFUSER	CORD LENGTH	CORD LOCATION	CORD COLOR	POWER SUPPLY	IF CURVED PANEL SPECIFY RADIUS (INCHES)
5	LP	24V	48	50	4SL	2700	SP	DIF	CC6	TL	BC	010V	20

A PANEL TYPE

LF – FRAMED
Lightpanel With C Channel 7/16"
Lightpanel With J1 Channel 1/4"
Lightpanel With J2 Channel 5/16"

CF – CRYSTAL FRAMED
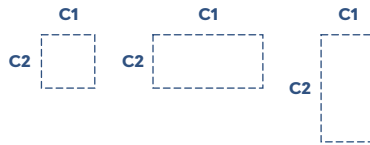Lightpanel With C Channel 7/16"

B VOLTAGE

24V - 24V (Standard)
12V - 12V (Optional)

C DIMENSIONS

(Generated by Client)
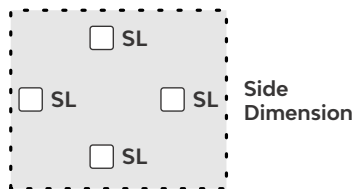**C1**- Top Dimension
C2- Side Dimension

*For custom shapes, please provide:
• Longest Outside Dimensions
• Drawing

D LED SIDES

1SL - One Side
2SL - Two Sides
3SL - Three Sides
4SL - Four Sides

Top Dimension

Side Dimension

*Please note, the longest length is typically the LED side when selecting 1SL or 2SL

E COLOR TEMP

1800 - 1800K
2400 - 2400K
2700 - 2700K
3000 - 3000K
3500 - 3500K
4000- 4000K
5000 - 5000K
6000 - 6000K
6500 - 6500K
7500 - 7500K
UV - Ultraviolet
RGB - Color Changing
RGBW - Color Changing + White (6000K, 4000K, 2700K)
CT- Color Tuning (2400K to 6000K)

F LED POWER

SP- Standard Power
HP- High Power
PSP- Premium Standard Power (95+ CRI)
PHP- Premium High Power (95+ CRI)

G OPTIONAL 2MM DIFFUSION OPAL

YES - DIF   **NO** - ND

H POWER CORD LENGTH

SC - Standard -9.8 ft.
CC_ - Custom Length _____ ft

TL   TR
STL   STR
SBL   SBR
BL   BR
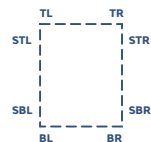
I POWER CORD EXIT

TL – Top Left Corner
TR– Top Right Corner
STL – Side Top Left Corner
STR – Side Top Right Corner
BL – Bottom Left Corner
BR – Bottom Right Corner
SBL – Side Bottom Left Corner
SBR – Side Bottom Right Corner

J POWER CORD COLOR

BC - Black   **WC** - White

K POWER SUPPLY INFO

010V - 010V Dimmable Hardwire
ELV - Electronic Low Voltage Dimmable Hardwire
DMX - DMX /DALI
PI - Plug In, DC Jack
DPI - Dimmable Plug in w/ remote

Please fill out the form

		A	B	C1	C2	D	E	F	G	H	I	J	K	L
ITEM	QTY	PANEL TYPE	VOLTAGE	DIMENSIONS TOP	SIDE	LED SIDES	COLOR TEMP	LED POWER	DIFFUSER	CORD LENGTH	CORD LOCATION	CORD COLOR	POWER SUPPLY	IF CURVED PANEL SPECIFY RADIUS(INCHES)
1	5	LP	24V	48	50	4SL	2700	SP	DIF	CC6	TL	BC	010V	20

1. **What is the Application the panels will be used for?**
   E.g.: Hospitality, Retail, Signage Etc.

2. **What are the LightPanels backlighting?**
   E.g.: Stone, Graphic, Glass, Acrylic Etc.

3. **Will the LightPanels be installed adjacent to one another?**
   ☐ Yes ☐ No
   If Yes, Please Provide Drawing of Panel Layout

4. **Will the LightPanels be powered individually (1:1) or would you like to connect Multiple LightPanels to a single driver?**

5. **Are there any installation details to review?**

5. **Is there an existing Dimming or Lighting Control System?**
   If so, please provide Representative with information of the Control system (specs, manufacturer, etc.)

Additional information: