sixteen5hundred

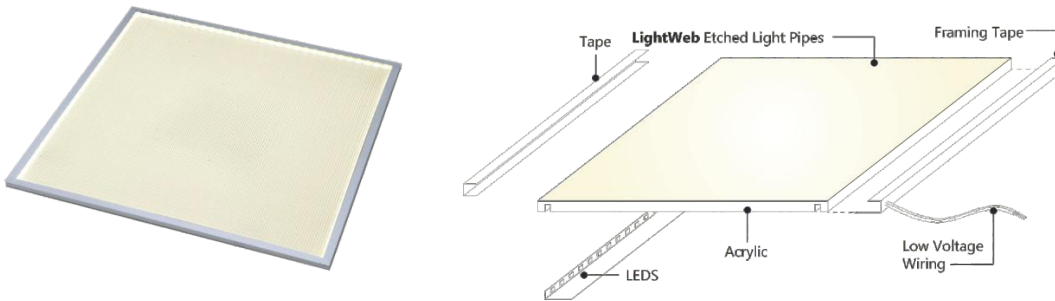| Project 21-12877-3 Date 6/25/2021 RGB/W | Saturated Color | Catalog Number CP 24V 120 80 4SL RGBW SP DIF CC6 TL WC DMX | Type |
|---|---|---|
| Submitted By 16500, INC | Notes | |

eos

BASIC **LightPanel** SYSTEM

The BASIC LightPanel is built for optimal design integration with a thin profile starting at 1/4" thin to provide an ultra-slim sheet of light. Low voltage LEDs are integrated with an optical grade etched acrylic to provide evenly distributed lighting. The BASIC Light Panel is a versatile light source available in customizable shapes and sizes to give every project even, uniform illumination.

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

Hospitality **Retail** **Healthcare** **Residential** **Accent Lighting**

Branding **Commercial Interior** **Millwork** **Cove Lighting** **Task Lighting**

Custom Fixtures **Logos and Signage** **Commercial Exterior**

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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:
1/4"-1/2"
*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)
8.6 W/Ft. 24V High Power Double Strand (HPDS)
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
LED CRT - 1800K - 7500K

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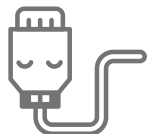20GA Wiring for White and Color Tuning Panels, 24GA for Color

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

Optional **Specifications**

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

COMPATIBLE POWER SUPPLIES :
• 0-10V dimming • DMX/DALI
• Magnetic low voltage (MLV)
• 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
Bolded colors are commonly available in stock.

MULTIPLE PANEL MOUNTING OPTIONS:
• Z-Profiles • Stand Offs • Key-Hole Frames • Mirror Clips
• 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

eos

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

LP – BASIC
Lightpanel (use For Curved Panel As Well)

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

CP – CRYSTAL
Lightpanel

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

WP – OUTDOOR
Lightpanel - Damp Location

AM – ARCHITECTURAL MILLWORK
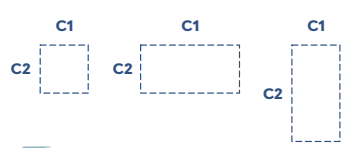Lightpanel

AU – AURA
Lightpanel

B VOLTAGE

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

C DIMENSIONS

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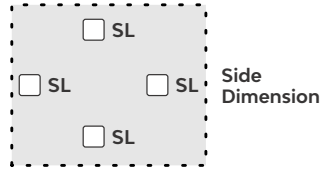**C1**- Top Dimension
C2- Side Dimension

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

C1   C1   C1
C2   C2
        C2

D LED SIDES

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

Top Dimension

☐ SL
☐ SL   ☐ SL   Side Dimension
    ☐ SL

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

E COLOR TEMP

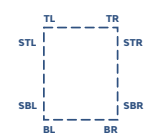|	
1800 – 1800K	**6500** – 6500K
2400 – 2400K	**7500** – 7500K
2700 – 2700K	**UV** – Ultraviolet
3000 – 3000K	**RGB** - Color Changing
3500 – 3500K	**RGBW** - Color Changing + White (6000K, 4000K, 2700K)
4000 - 4000K	
5000 – 5000K	
6000 – 6000K	**CT**- Color Tuning (2400K to 6000K)

F LED POWER

SP- Standard Power
HP- High Power

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

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PROJECT NAME:

PROJECT LOCATION:

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:

350 Crenshaw Blvd., Suite A104, Torrance, CA 90503   310.616.5070   310.616.5056   eoslight.com