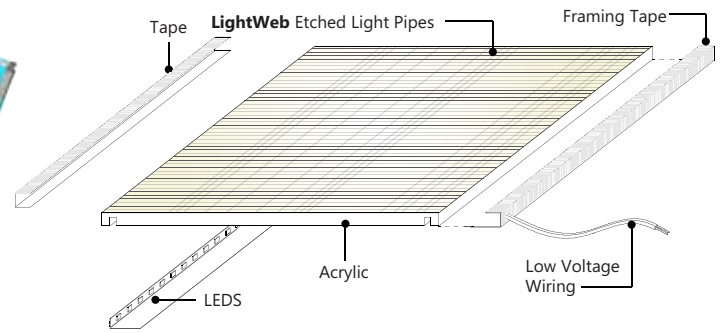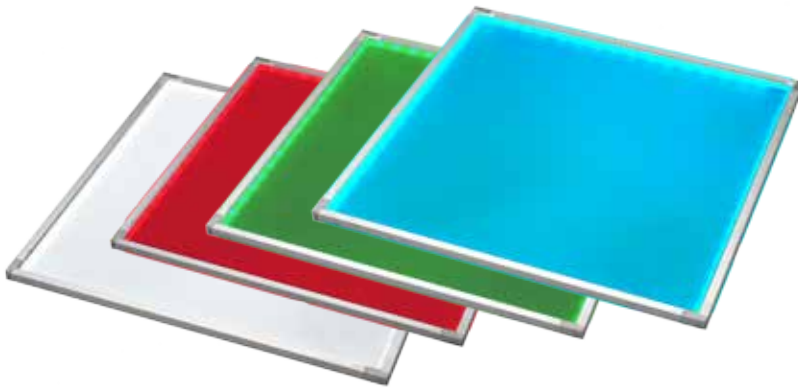# COLOR LightPanel™ System

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™ :

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

Tape — **LightWeb** Etched Light Pipes — Framing Tape

LEDS — Acrylic — Low Voltage Wiring

General Specifications

LIGHT WEB TECHNOLOGY™:

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

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:

12mm (7/16" -1/2")

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:

RGB - 4W/ Ft. - 12V / 24V Standard Power

RGBW - 4W/ Ft. - 24V Standard Power

POWER OUTPUT:
12VDC or 24VDC Standard Power

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.

LEDs:
ANSI Binned LEDs from Tier 1 Suppliers

DAMP LOCATION:
All LightPanels™ are damp location rated when driven with a Class 2 Power Supply

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.

*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.

P.E.T. Covers

Diffuser Cover Film

Optional Specifications

USB COMPATIBLE:
* Max. Size 40" X 40"

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

ALUMINUM FRAME PROFILE OPTIONS:

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

ADDITIONAL FEATURES:

Pantone spectrum match

Can be delivered taped or with Aluminum Frame Profile

Adjustment of color transitions
from 1/10 of a second to 3.4 seconds

12 V / 24V Standard Power (RGB)
24V Standard Power (RGBW)

COMPATIBLE POWER SUPPLIES:

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

APPROVALS AND CERTIFICATIONS:

The LightPanel™ System is UL listed for Architectural applications and UL recognized for signage. All power supplies are UL / ETL listed.

c ᴜL us
LISTED
LOW VOLTAGE LUMINAIRE
E480527

c ᴿU us
E467626

CE

eos
LightPanel™ System

Product Specification Ordering Form

NAME:	PROJECT NAME:	ADDRESS:

PHONE:	PROJECT LOCATION:	CITY:

EMAIL:	ANTICIPATED DELIVERY DATE:	ZIP CODE:

COMPANY NAME:	PROJECT ARCHITECT:	FREIGHT METHOD:

	A	B	C1	C2	D	E	F	G	H	I	J	K	L	M
QTY	PANEL TYPE	LED POWER	DIMENSIONS (INCHES) TOP	SIDE	COLOR TEMP	DIFFUSER	WATER-PROOF	LED SIDES	CORD COLOR	CORD LENGTH	UL RATING	CORD LOCATION	POWER SUPPLY	IF CURVED PANEL SPECIFY RADIUS (INCHES)
5	LP	SP-12V	48	50	2700	NO	YES	4SL	BC	ST	UL	TL	DHW	20

EXAMPLE:

A - B - C1 x C2 - D - E - F - G - H - I - J - K - L - M   SITE VOLTAGE:

↓   ↓   ↓   ↓   ↓   ↓   ↓   ↓   ↓   ↓   ↓   ↓   ↓   ↓

LP - SP-12V - 108 x 60 - 2700 - NO - YES - 4SL - BC - ST - UL - TL - DHW - 20

KEY:

A. PANEL TYPE

LP - BASIC LightPanel™
LF - FRAMED
LightPanel™ with C Channel 7/16"
LightPanel™ with J1 Channel 1/4"
LightPanel™ with J2 Channel 5/16"
LF - MEDIA FRAME
GRAPHIX LightPanel™ -3/4" x 3/4"
SLIM IMAGEART LightPanel™ -1 - 3/8" x 15/16"
IMAGEART LightPanel™ -1 - 3/8" x 1- 1/4"
WINDOW LightPanel™ with Square Profile
ACRYLIC LightPanel™ with Clear Acrylic Frame
MAGNETIC LightPanel™ with Magnetic Frame
FABRIK LightPanel™ eos Fabric Light Box
SKY LightPanel™ - Suspended Frame
CP - CRYSTAL LightPanel™
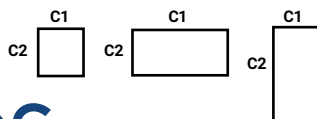**CF - CRYSTAL** LightPanel™ with C Channel 7/16"

B. LED POWER

SP-12V - 12V Standard Power
SP-24V - 24V Standard Power
HP-12V - 12V High Power
HP-24V - 24V High Power

C. DIMENSIONS (GENERATED BY CLIENT)

C1- Top Dimension
C2- Side Dimension

* For shapes indicated below, shapes that are not illustrated are considered custom and require CAD

D. COLOR TEMP

2400 - 2400K
2700 - 2700K
3000 - 3000K
3500 - 3500K
4000- 4000K
4400 - 4400K
4800 - 4800K
5300 - 5300K
6500 - 6500K
7500 - 7500K
UV - Ultraviolet
RGB - Color Changing
RGBW - Color Changing + White
CT- Color Tuning

E. OPTIONAL 2MM DIFFUSION COVER

Y-Yes
N-No

F. WATERPROOF

Y-Yes
N-No

G. LED SIDES

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

H. POWER CORD COLOR

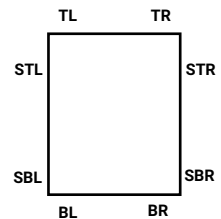**BC -** Black
WC - White

I. POWER CORD LENGTH

ST - Standard -9.8 ft.
CT - Custom Length ___ ft.

J. UL RATING

UL - Architectural Lighting
UR - Signage

K. 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

```
        TL        TR
STL  ┌──────────┐  STR
     │          │
     │          │
SBL  └──────────┘  SBR
        BL        BR
```

L. POWER SUPPLY INFO

PI - Plug In, DC Jack
DPI - Dimmable Plug in w/ remote
HW - Hardwired, Bare
DHW - Dimmable Hardwired
REM - RGB Remote Control
DMX - DMX /DALI
0-10V - 0-10V DImmable Hardwire
MAG - Magnetic Dimmable Hardwire

M. CURVED LightPanel™ Radius

*Indicate Radius in inches

eos
LightPanel™ Systems