

Project Details

Name:

Location:

Specifier:

Date:



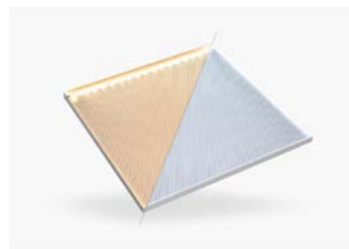
Fusion Light Panel

Advanced Light Panel

Product Description: The Fusion Light Panel uses precision-engineered light-catching dots to create optimized, even illumination across designs.

Highlights

- 30-60% brighter than other popular light panels
- Custom made to your exact specifications
- Our standard light guide plate uses dots to create beautifully consistent illumination across the entire panel.
- The dotted light guide plate requires little to no diffusion
- Incredible energy-efficient edgelit design
- Available in custom rectangular shapes
- Optional dotless light guide plate



Energy Efficient

Modern LEDs use fewer watts for long-lasting low-cost performance



Optimized Design

Ultra bright with even illumination across the entire light guide plate



Color Clarity

Standard 90+ CRI for true tones and vibrant color rendering



Next-Gen Build

Precision-built in the USA with premium components



BABA Compliant

Build America Buy America Compliant, made in Arvada, Colorado

Specifications

Input Voltage	24VDC Constant Voltage
Power Consumption	Single color: 5.85 W/ft, tunable white: 4.39 W/ft, RGB: 6.71 W/ft, RGBW: 7.64 W/ft
Color Temperature	2400K, 2700K, 3000K, 3500K, 4000K, 5000K, 6500K, 2700–6500K tunable white, RGB, RGBW (5000K)
CRI	Up to 90+
Light Output	Depends on panel configuration
Wires	22 AWG, wire exit location based on your specifications. Notched - see page 3
Connections	Hardwire connections
Mounting	Mechanical fasteners
Operating Temperature	13° to 140°F
Environment	IP20 dry locations
Certifications	cULus Listed, BABA Compliant
Min/Max Dimensions	Rectangular shapes only. Minimum: 4x4", maximum: 48x96", size tolerances: +/- 1/8"
Total Product Thickness	Light guide plate: 8mm, metal backer: 0.5mm, heat sink: 0.8128mm, tape top/bottom: 0.17mm, total thickness: 9.65mm, tolerance: +/- 0.5mm
Rated Life	75,000+ hours
Warranty	3-year warranty (view terms online at evo-lite.com/legal-documents , section 19)

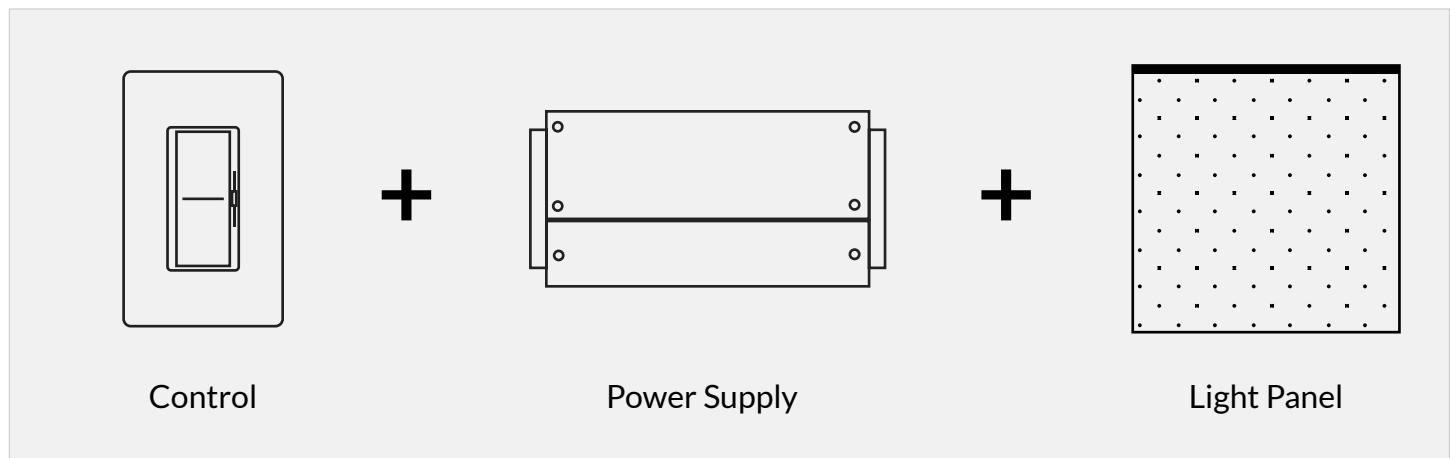
Power & Controls

Compatible with all control protocols via associated power and control components. Quality tested for low-end light output consistency across all LEDs (100-0% dimming with tight ANSI bin control).

Class 2 & UL Compliance

Use Class 2 power supplies with a maximum power output of 96W (per channel/circuit) to retain UL Class 2 Listing compliance. Best practices include allowing headroom for power supply longevity.

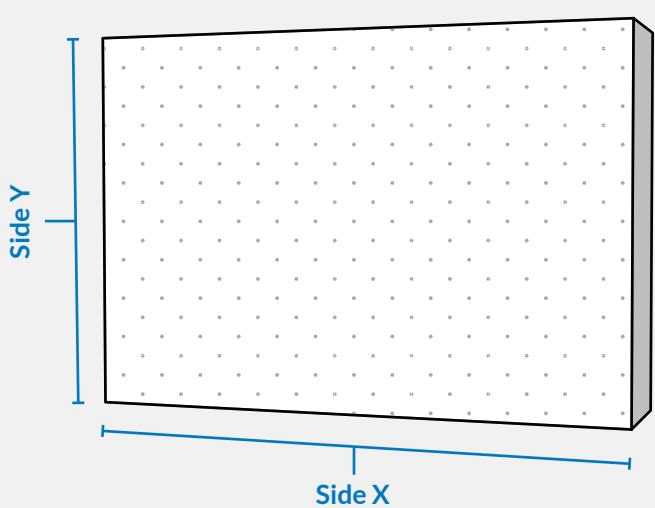
System Setup Example



Customization

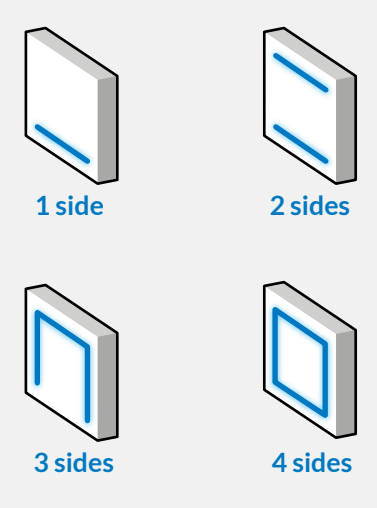
Shape & Size

Rectangular shapes only.



A 3D perspective diagram of a rectangular panel with a grid of small dots on its surface. A vertical blue dimension line on the left is labeled "Side Y", and a horizontal blue dimension line at the bottom is labeled "Side X".

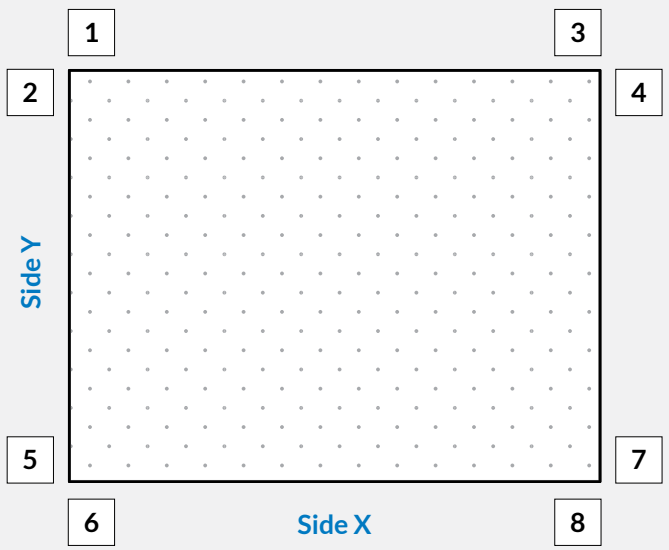
Light Source Position



Four 3D perspective diagrams of the panel showing different light source configurations. Each diagram has a blue line indicating the light source location. The first shows a line on the bottom edge labeled "1 side". The second shows lines on the top and bottom edges labeled "2 sides". The third shows lines on the left and bottom edges labeled "3 sides". The fourth shows lines on all four edges labeled "4 sides".

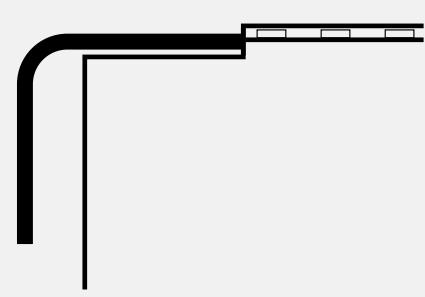
Wire Exit

Wire Exit Location



A 2D top-down diagram of the rectangular panel with a grid of dots. Eight numbered boxes are placed around the perimeter: 1 (top-left), 2 (top-left corner), 3 (top-right), 4 (top-right corner), 5 (bottom-left), 6 (bottom-left corner), 7 (bottom-right), and 8 (bottom-right corner). The vertical dimension is labeled "Side Y" and the horizontal dimension is labeled "Side X".

Notched Wire Exit



A diagram showing a wire entering from the left, bending 90 degrees upwards, and then bending 90 degrees to the right to exit through a notch in the top edge of the panel. The panel is shown in a 3D perspective.

Ordering / Panel Configurator

Fusion Light Panel

Part #	Dimensions (#x#)	Shape	Illuminated Side(s)	LED Location	Color Temperature
FLP - Fusion Light Panel	X - # Horizontal (inch)	1 - Rectangular	1 - Single face	1 - 1 long edge	24 - 2400K
	Y - # Vertical (inch)			2 - 2 long edges	27 - 2700K
				3 - 1 short edge	30 - 3000K
				4 - 2 short edges	35 - 3500K
				5 - All 4 edges	40 - 4000K
				6 - Custom	50 - 5000K
					65 - 6500K
					TW - Tunable White
					RGB - RGB
					RGBW - RGBW 5000K
					CUS - Custom

Voltage	Wire Exit Location (pg 3)	Exit Type	Connectors	Diffuser	Mounting
24 - 24VDC	01 - Upper left corner	1 - Notched	1 - 4ft with bare wire leads	1 - 1mm Class A fire rated	1 - Pre-drilled Holes
	02 - Upper left corner		2 - Custom	2 - 9.5mm	2 - None
	03 - Upper right corner				
	04 - Upper Right corner				
	05 - Lower left corner				
	06 - Lower left corner				
	07 - Lower right corner				
	08 - Lower right corner				

Configure Your Light Panel

Part #	Dimensions	Shape	Illuminated Side	LED Location	Color Temp.	Voltage	Wire Exit	Exit Type	Connectors	Diffuser	Mounting
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Order Code Example: FLP-11x24-1-1-1-2-35-24-1-02-1-1-1-2

Breakdown: Fusion Light Panel - sized 11" horizontal by 24" vertical - LED located along 2 long edges - color temperature 3500K - voltage is 24VDC - exit location is at the upper left corner - exit type is notched - 4ft long bare wire lead - 1mm diffuser - no mounting.