

# Custom LitePad®

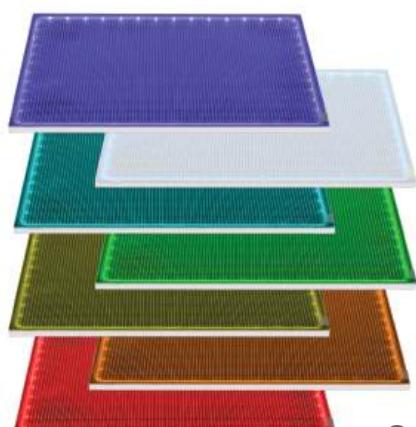


Rosco Custom LitePad is an ultra-thin edge-lit LED panel designed for seamless, uniform illumination across custom shapes and sizes. Its 8mm profile and patented acrylic design make it ideal for low-profile installations in architectural and specialty lighting such as backlighting, shelving, and aesthetically lit walls and ceilings.

Custom LitePad is perfect for architectural, retail, and specialty projects where color accuracy matters. Plus, with options for high-efficiency LEDs, recycled material fabrication, indoor, damp, and outdoor IP ratings, Custom LitePad supports sustainable, versatile design. Lighting designers and specifiers can rely on Rosco's expert consultants to help specify panels and accessories for their projects.

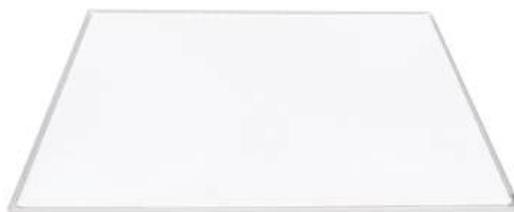


Tunable White

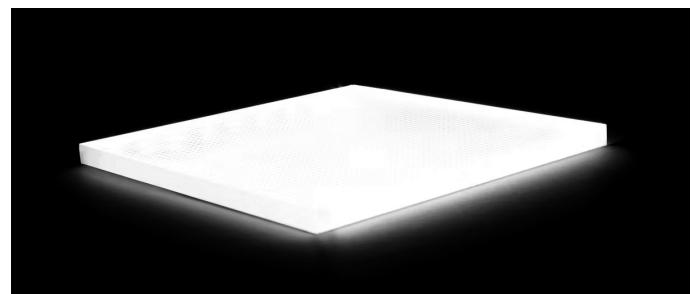


Color Mixing

Project:	Type:
Quantity:	Location:



Static White



Pre-Diffused Frosted

## KEY FEATURES

- Even, uniform illumination
- Custom shapes and sizes
- Ultra-thin = 8mm ( $\frac{5}{16}$ ")
- Edge-lit LED panel
- Patented acrylic design
- Exceptional color accuracy
- Versatile IP ratings
- Eco-friendly options
- Rosco expert guidance available

## SPECIFICATIONS

### Custom LitePad Variants

Description:	CLP Static White & Color	CLP Tunable White	CLP RGB	CLP RGBW
Item Number:	290000000000	290000000CCT	290000000RGB	290000000RGBW
<b>LED</b>				
Color Options:	Static White options from 2200K to 6500K All Red, Green, Blue LEDs	Tunable White options from 2200K-6500K	RGB	RGBW with White LED options from 3000K to 5300K
CRI:	>95, 90, and 80 CRI options	80 and >90 options	N/A	80 and 90 options
Lumens Per Foot & Meter:	350-623 lm/ft 1,148-2,043 lm/m	370-808 lm/ft 1,214-2650 lm/m	128-142 lm/ft 420-466 lm/m	195-294 lm/ft 640-965 lm/m
Lumens Per Watt:	79.5-227 lm/W	67.3-106 lm/W	29.8-35 lm/W	40-60 lm/W

LED Positioning: LEDs can be positioned and customized around any number of sides or the entire perimeter/circumference.

Illumination Sides: Single-sided standard and double-sided available (for up and down lighting shelving).

Lumen Maintenance: L70 at 50,000-54,000 hours

	<b>Electrical</b>			
	<b>CLP Static White &amp; Color</b>	<b>CLP Tunable White</b>	<b>CLP RGB</b>	<b>CLP RGBW</b>
Watts Per Foot/Meter:	2.74-4.51 W/ft 9.0-14.8 W/m	5.5-8 W/ft 18.0-26.4 W/m	3.66-4.4 W/ft 12.0-14.4 W/m	4.9 W/ft 16.1 W/m
Voltage Input Options:	12V or 24V	12V or 24V	12V or 24V	24V
Wire Size:	20 AWG, 2 wire	22 AWG, 3 wire	22 AWG, 4 wire	22 AWG, 5 wire

Power/Data Connection: One core cable per LED plus common ground

Power & Dimming Accessories:

Rosco can provide a full suite of dimming and control accessories based on data/control requirements, power requirements, and installation layout.  
NEC Class 2 compliant options available.

#### \*Safety Disclaimer

Use only UL certified power adaptors with the power output that coordinates with your input voltage. Do not apply 24V DC to 12V DC panels, as damage to LEDs or fire may occur. Refer to voltage tags at the end of the power cords.

## SPECIFICATIONS

### Electrical continued

Cable Length:	5'(1.5m) or 10' (3m) leads
Wiring Connection:	Unterminated leads standard Barrel plugs and XLR available upon request: contact <a href="mailto:project.management@rosco.com">project.management@rosco.com</a>
Wire Placement:	Three standard lead wire exit options: Corner, Notched Corner, Rear of Panel The point of wire entry is customizable to accomodate your project's requirements.
Wiring Coordination:	LitePads must be wired in parallel with each receiving a direct connection to a power supply.

### Physical

IP Rating:	Indoor, Damp, and IP67 options
Operating Temperature:	Indoor: 14°F to 104°F (-10°C to +40°C) Damp and IP67: -4°F to 122°F (-20°C to +50°C)
Maximum Size:	48" x 96" (1219 mm x 2438 mm)
Minimum Size:	3" x 3" (76 mm x 76 mm)
Diffusion:	White Frosted Diffusion Surface available 1" (25mm) Various diffusion thickness and opacity can be provided by Rosco or recommended for client purchase locally.
LitePad Thickness:	Standard Custom LitePad $\frac{1}{3}$ " (8mm) LitePad with Frosted Surface Diffusion 1" (25mm)
Weight:	Standard Custom LitePad: 1.97 lbs/sq ft (9.6 kg/sq m) With Frosted Surface Diffusion: 5.85 lbs/sq ft (30 kg/sq m)
Pressure Rating:	Standard Custom LitePad: None With Frosted Surface Diffusion: TBD
Acrylic Material Properties:	Clear polymethyl methacrylate (PMMA) with 3D V-Cut for optimal output and homogenization. Reflective, opaque white backing to maximize optical brightness and distribution of light. 100% recycled PMMA option available upon request.
Fire Rating:	UL94V-0
Flammability Classification:	94HB
Smoke Density:	(D2843) 4-10%
Mounting:	Can be drilled or tooled anywhere across the interior surface within 1 inch of its edge. Pre-drilled holes can be specified (drawings required of hole size and locations). Client is responsible for mounting hardware and installation (mounts similar to a mirror).
Heat Control:	<1" / 25mm required around LitePad for passive cooling. An integral aluminum heat sink is mounted on the rear of the panel to disperse heat build-up, reducing the need for external cooling and prolonging service life.
Warranty:	5 years North America 3 years EMEA
UL Listed:	File E350056

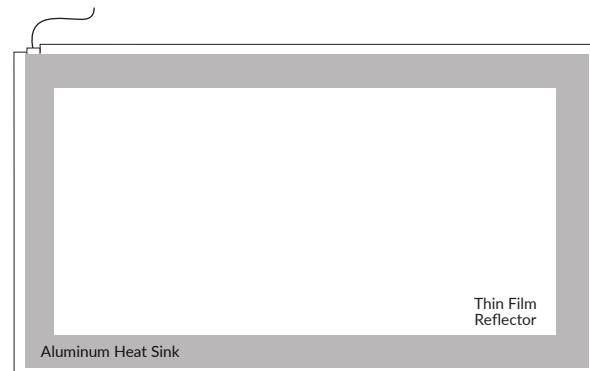
# Custom LitePad®



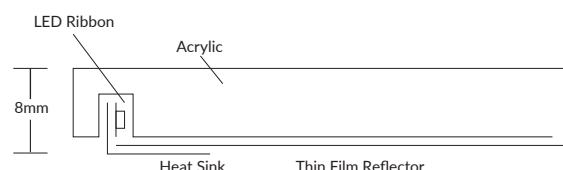
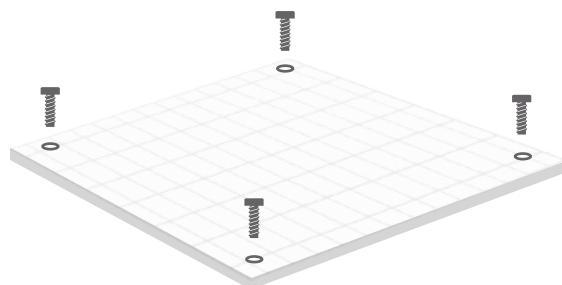
## PRODUCT DRAWINGS EXAMPLE



Rectangular LitePad  
Front View



Rectangular LitePad  
Back View



Rectangular LitePad  
Side View

### Optional Pre-Drilled Holes

- Screw/hole size and placement required.
- Screws not included.
- If not using pre-drilled holes, Custom LitePad mounts similar to a mirror with standoffs, z-clips, or other mounting hardware (not included.)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Company Name: \_\_\_\_\_

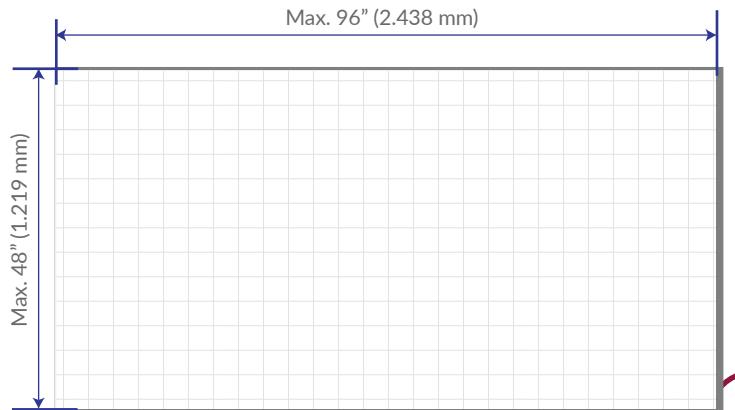
Project: \_\_\_\_\_

# Custom LitePad®

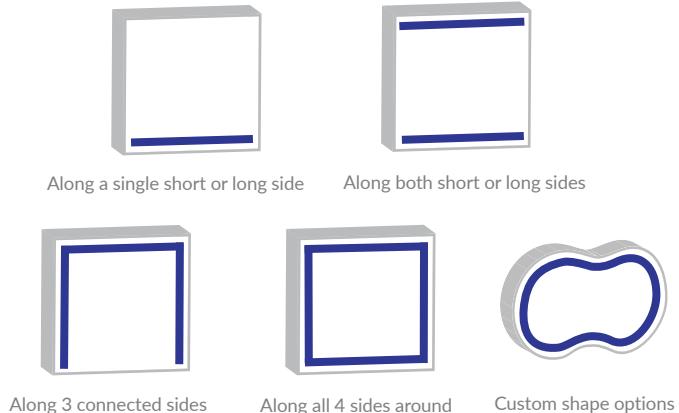


## LITEPAD CUSTOMIZATION OPTIONS

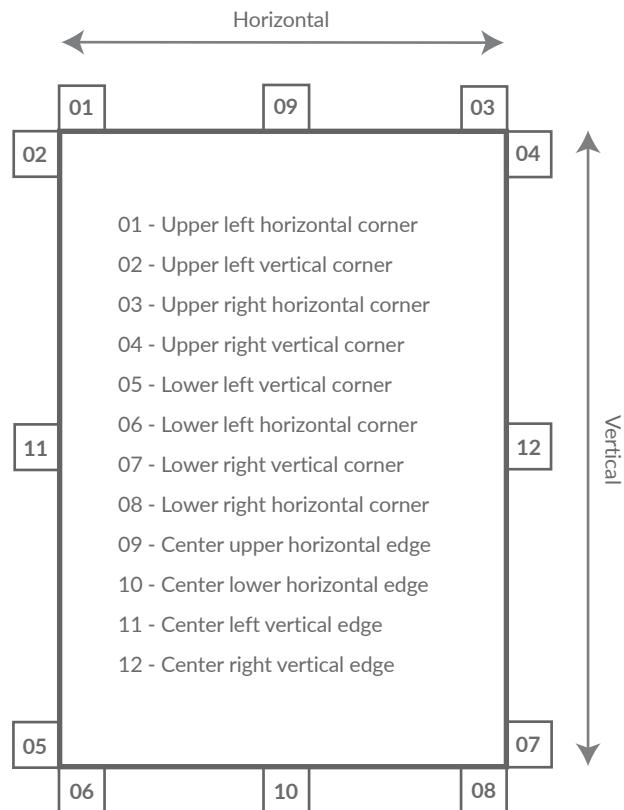
### Litepad Shape & Size



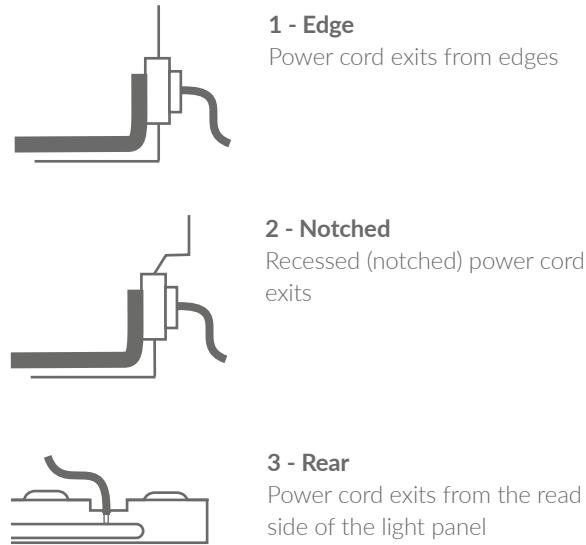
### LED Positioning



### Wire Exit Locations



### Exit Type Options



# Custom LitePad®

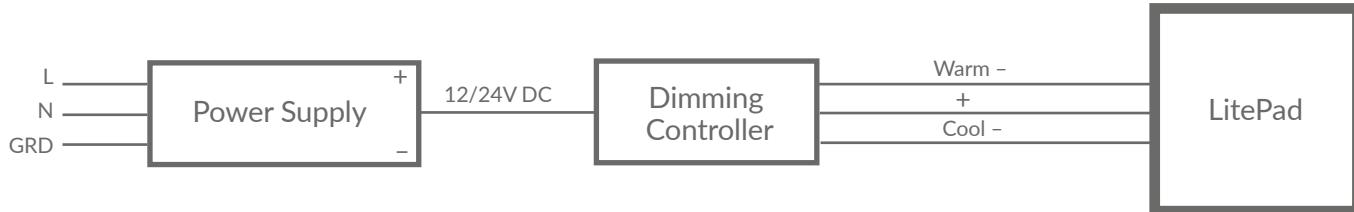


## HARDWIRING POWER AND DATA

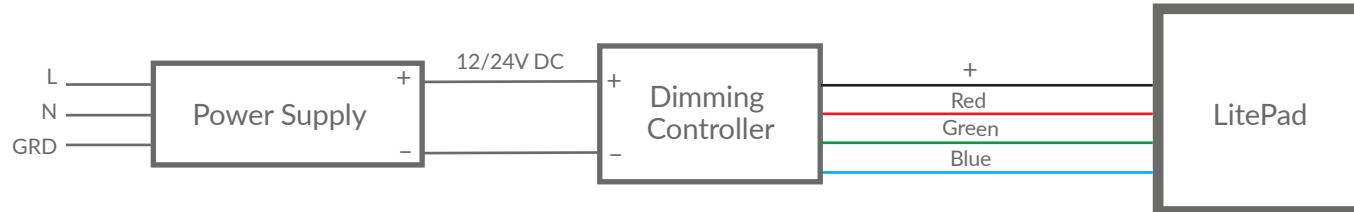
1. Turn off power to your system at the main breaker.
2. Install your system components. Refer to wiring guidelines for each component to build your system.
3. Check connections and turn on power at the main breaker.



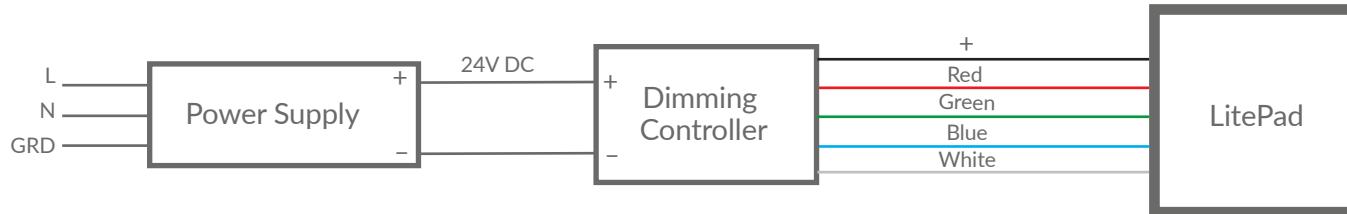
### Tunable White



### RGB



### RGBW



Note: Dimmable power supplies available and alternative wiring schematics possible. Please reach out to [Project.management@rosco.com](mailto:Project.management@rosco.com) for recommendations and support specifying your Custom LitePad system.

## SPECIFICATION ORDER CODES

Please contact Project.Management@rosco.com for support determining the exact specifications of your Custom LitePad system.

### LED

CCT or Color	CRI	Output	Voltage	LED Placement	Illumination Sides
SW - Static White (Insert CCT)	8 - ≥80	S - Standard Output	12 - 12VDC	L1 - 1 Long Edge	1 - Single Sided
SC - Static Color (Insert color)	9 - ≥90	H - High Output	24 - 24VDC	L2 - 2 Long Edges	2 - Double Sided
TW - Tunable White (Insert CCT range)				S1 - 1 Short Edge	(for shelves)
R - RGB				S2 - 2 Short Edges	
RW - RGBW				4 - All 4 Edges	
				DIA - Diameter	
				CI - Custom Illumination	

### Electrical

Cable Exit Location	Cable Exit Type	Cable Length	Control & Dimming Protocol
01 - Upper left corner (horizontal) 02 - Upper left corner (vertical) 03 - Upper right corner (horizontal) 04 - Upper right corner (vertical) 05 - Lower left corner (horizontal) 06 - Lower left corner (vertical) 07 - Lower right corner (horizontal) 08 - Lower right corner (vertical) 09 - Center upper edge (horizontal) 10 - Center lower edge (horizontal) 11 - Center left edge (vertical) 12 - Center right edge (vertical)	E - Edge R - Rear N - Notched	5B - Black 5 ft./1.5m with bare leads 10B - Black 10 ft./3m with bare leads	X - DMX 0 - 0-10V L - DALI

### Physical

Mounting	Environment	Diffusion	Size & Shape (Inches)
P - Pre-drilled holes (hole placement & size) N - N/A	I - Indoor D - Damp O - Outdoor	EF - 1 in. (25mm) frameless embedded frosted acrylic white SF - 1/8" (3mm) surface mounted frosted acrylic white N - N/A	R - Rectangular (insert length x width) C - Circular (insert diameter) CS - Custom shape (drawing required)

### Notes

Not all CRI, Output, and Voltage options are available for each LED CCT and Color option. Contact Project.Management@rosco.com for guidance selecting the best LED for your Custom LitePad system.

- Static White - Options from 2200K to 6500K available
- Static Color - Red, Green, and Blue available
- Tunable White - Ranges between 2200K and 6500K available

**Customer is responsible for wiring, mounting hardware, and installation. Contact Project.Management@Rosco.com or your Rosco Dealer/Rep for recommendations.**

#### Example Specification Order Code:

TW - 2700K-6500K - 9 - S - 24 - 4 - 1 - 01 - R - 10B - X - N/A - I - EF - R - 48x48

Tunable White 2700K to 6500K, over 90 CRI, Standard Output, 24VDC, all 4 edges lit, single side illuminated, cable exit upper left corner (horizontal side), cable exit in the rear, black 10ft/3m with bare leads, DMX controlled, no pre-drilled holes, indoor environment, frameless embedded frosted acrylic white diffusion, rectangular 48 in. x 48 in.