

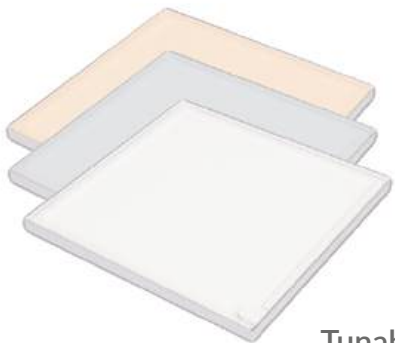
Rosco Custom LitePad is an ultra-thin edge-lit LED panel designed for seamless, uniform illumination across custom shapes and sizes. Its 8mm profile and patented acrylic design make it ideal for low-profile installations in architectural and specialty lighting such as backlighting, shelving, and aesthetically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

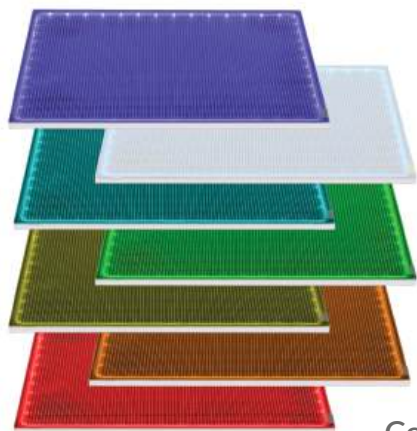
Project:	Type:
Quantity:	Location:



Static White



Tunable White



Color Mixing

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: Item Number:	CLP Static White & Color 290000000000	CLP Tunable White 2900000000CCT	CLP RGB 2900000000RGB	CLP RGBW 2900000000RGBW
LED				
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

Electrical				
	CLP Static White & Color	CLP Tunable White	CLP RGB	CLP RGBW
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 project.management@rosco.com
Wire Placement:	Three standard lead wire exit options: Corner, Notched Corner, Rear of Panel The point of wire entry is customizable to accommodate your project's requirements.
Wiring Coordination:	LitePads must be wired in parallel with each receiving a direct connection to a power supply.

Physical

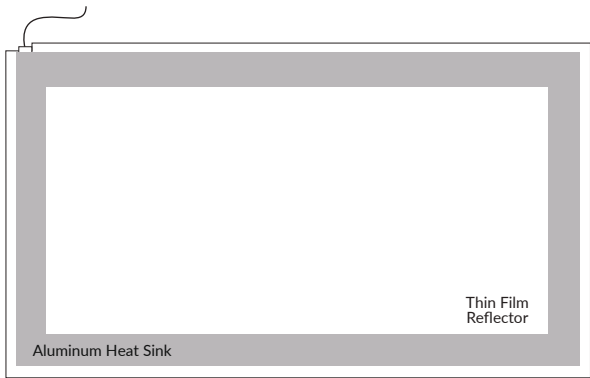
IP Rating:	Indoor, Damp, and IP67 options
Operating Temperature:	Indoor: 14°F to 104°F (-10°C to +40°C) Damp and IP67: -4°F to 122°F (-20°C to +50°C)
Maximum Size:	48" x 96" (1219 mm x 2438 mm)
Minimum Size:	3" x 3" (76 mm x 76 mm)
Diffusion:	White Frosted Diffusion Surface available 1" (25mm) Various diffusion thickness and opacity can be provided by Rosco or recommended for client purchase locally.
LitePad Thickness:	Standard Custom LitePad 1/8" (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



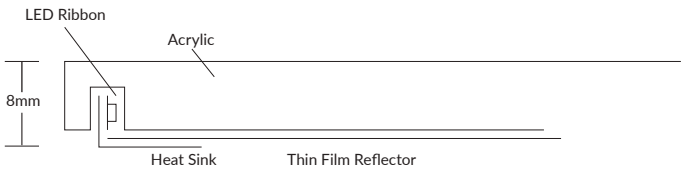
PRODUCT DRAWINGS EXAMPLE



Rectangular LitePad
Front View



Rectangular LitePad
Back View



Rectangular LitePad
Side View

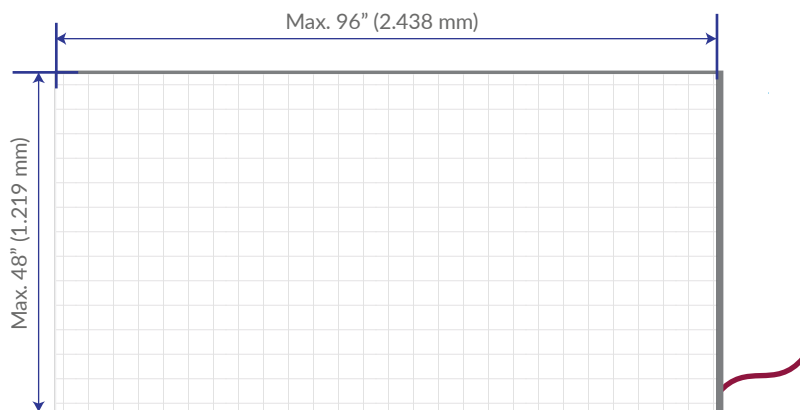
Name: _____ Date: _____

Company Name: _____

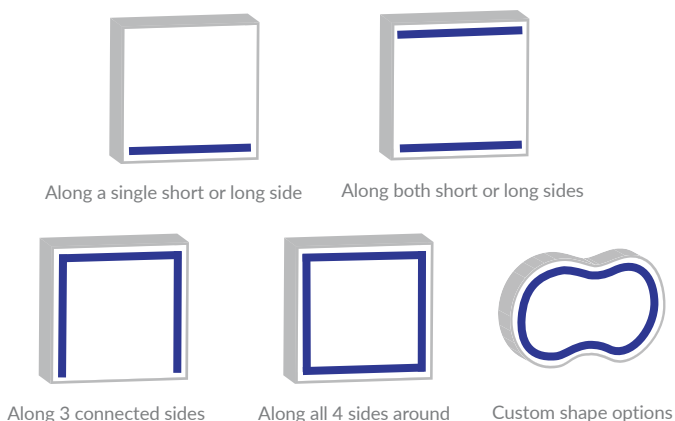
Project: _____

LITEPAD CUSTOMIZATION OPTIONS

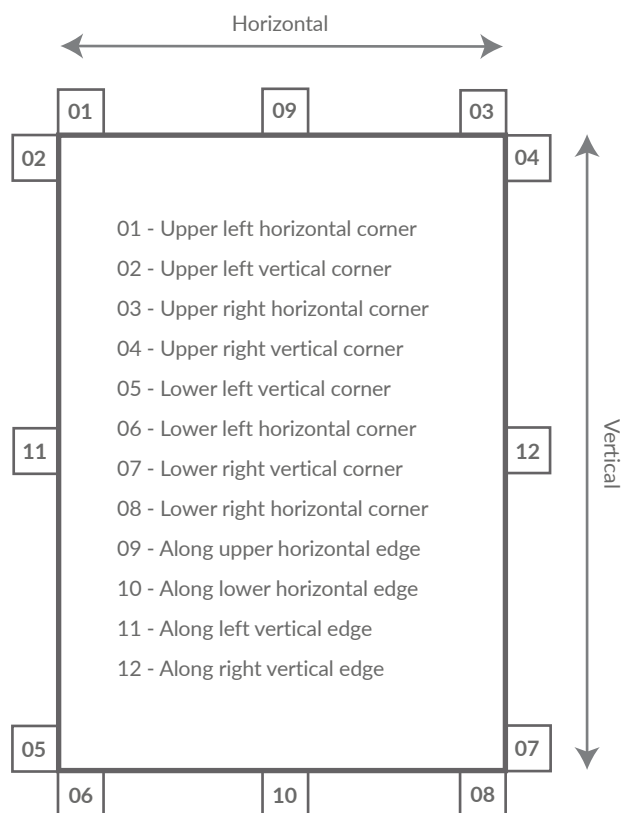
Litepad Shape & Size



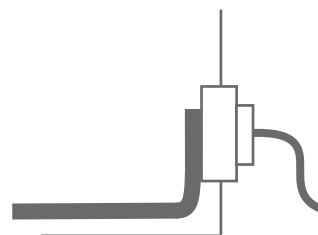
LED Positioning



Wire Exit Locations



Exit Type



1 - Edge

Power cord exits from edges

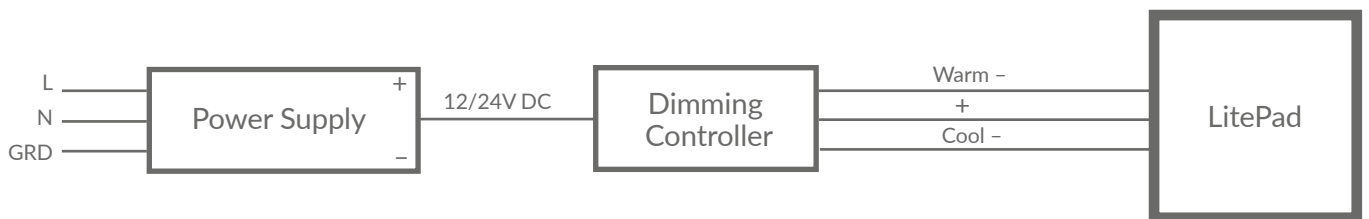
12V - Below 50W: 1 wire exit, Above 50W: 2 wire exits
24V - Below 75W: 1 wire exit, Above 75W: 2 wire exits

HARDWIRING POWER AND DATA

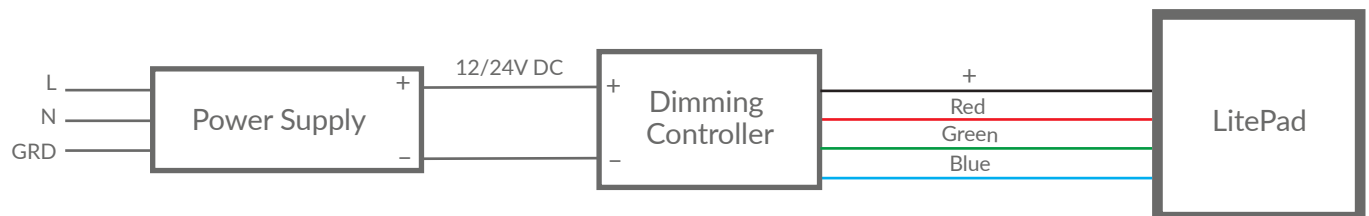
1. Turn off power to your system at the main breaker.
2. Install your system components. Refer to wiring guidelines for each component to build your system.
3. Check connections and turn on power at the main breaker.



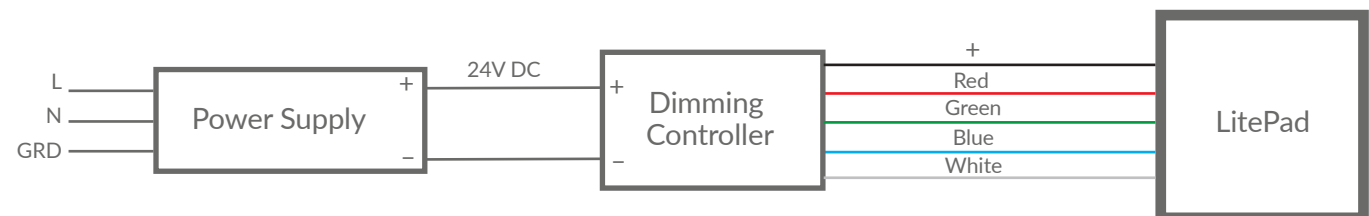
Tunable White



RGB



RGBW



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