

# Custom LitePad® RGB

## Variable Color



Rosco Custom LitePad RGB is a color changing, flat panel LED light source providing even, indirect lighting. At only 8mm thick, Custom LitePad RGB is perfectly suited to virtually any backlighting installation or to projects where only a cool, low profile light source can be used. LitePad's patented system is comprised of indirect LED sources machined into a cast acrylic panel. Light amplifying channels etched into the rear surface of the plastic sheet smoothly and evenly distribute light across the entire surface of the LitePad. This durable and reliable construction can be fabricated in virtually any size or shape and is easily installed. A variety of options are available to customize light output, power management, and dimming control. Rosco project consultants are available to assist in specifying the optimal configuration of panels and accessories for your project.



Custom LitePad RGB Variable Color offers all the same features of Rosco's standard LitePad product but uses high quality color mixing RGB chips. Three channels of control are used to dial in the precise color desired. Dimming and control accessories sold separately.

### SPECIFICATIONS

LED Type:	.25 Watt Surface Mounted Diode
Construction:	Optical Grade Clear Acrylic
Panel Thickness:	0.31 in (8 mm)
Weight:	2 lbs (900g)/ft <sup>2</sup>
Operational Temp.:	-22°F min to 104°F max (-30°C min to 40°C max)
Estimated Lifespan:	50,000+ hours
Operating Voltage:	12 Volt DC
UL Listed:	File E350056
Warranty:	5 Years (3 years for models sold in EMEA)



### ELECTRICAL PROPERTIES

Power Consumption: 5W per ft

#### Coordination:

Panels may be wired together in parallel, not series. Each panel must have direct connection to a power supply.

#### Wire Placement:

The point of wire entry is customizable to accommodate your project's tiling requirements. Please consult with your project specialist.

#### Dimming/Control:

Rosco can provide a full suite of dimming and control accessories to complement your Custom LitePad.

#### Cord Length:

Custom LitePad comes with a 4 ft (1.2 m) 4 core cable, 3 connections represent each of the single color LED's for mixing and the fourth is a common ground.

### PHYSICAL PROPERTIES

Single Panel Size: Max: 47" W x 118" L (1.2 m x 3 m)  
Min: 6" W x 6" L (152 mm x 152 mm)

#### Shaping:

Custom LitePads can be factory cut into just about any shape imaginable. Also, they can be drilled or tooled anywhere across the interior surface within 1 inch of its edge.

#### Heat Control:

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.

#### Thin Film Reflector:

Custom LitePads include a reflective, opaque white backing to maximize optical brightness and distribution of light.

#### IP Rating: IP61

IP67 available on request

### ACRYLIC PROPERTIES

Flammability Classification: 94HB

Smoke Density: (D2843) 4-10%

#### Deflection:

Custom LitePad may bow if the panel area is too large. Broad sheets should be supported every 18 inches in any direction.

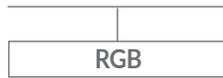
### OPTICAL PROPERTIES

#### LED Positioning Options:

LEDs can be positioned around any number of sides or the entire circumference.

IES and colorimetry data can be found on our website [www.rosco.com](http://www.rosco.com)

## SPECIFICATION ORDERING INFORMATION



Length x Width (inches/mm)  
Diameter  
CS - Custom shape  
(drawing may be required)

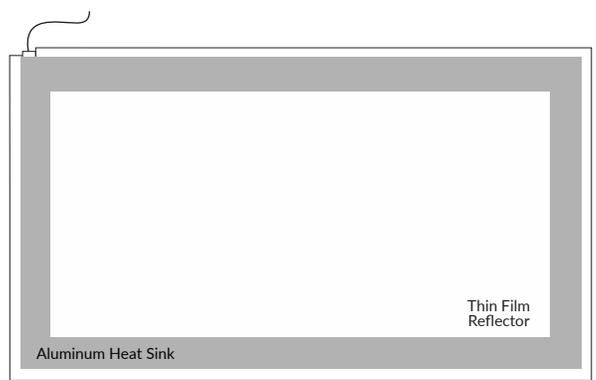
L1 - 1 Long Edge  
L2 - 2 Long Edges  
S1 - 1 Short Edge  
S2 - 2 Short Edges  
A4 - All 4 Sides  
DIA - Diameter  
CI - Custom Illumination

Example: RGB - 3x3 - L1

Contact [customlitepad@rosco.com](mailto:customlitepad@rosco.com) for specification questions



Typical LitePad  
Front View



Typical LitePad  
Back View



Typical LitePad  
Side View

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

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

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