rosco

Rosco LitePad CCT is a tunable white, flat panel LED light source providing even, indirect lighting and which, at only 8mm thick, 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.

LitePad CCT Tunable White offers all the same features of Rosco's standard LitePad product but includes a variable color temperature light output. Two separate channels of LEDs allow you to dial in the precise quality of white light, from 3000K to 6500K. Dimming and control accessories sold separately.

SPECIFICATIONS

LED Type: .25 Watt Surface Mounted Diode

Construction: Optical Grade Clear Acrylic

Panel Thickness: 0.3 in (8mm)

Weight: 2 lbs (900g)/ft^2

Operational Temperature: -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: 3 Years

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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.

Power Supply: Rosco has a complete range of approved power supplies to meet your project requirements.

Dimming/Control: Rosco can provide a full suite of dimming and control accessories to complement your custom LitePad.

Wire Placement: The point of wire entry is customizeable to accomodate your project's tiling requirements. Please consult with your project specialist.

Cord Length: LitePad comes with a 4 ft (1.2m) 3 core cable, two connections represent the cool and warm white LED's for mixing and the third is a common ground.

PHYSICAL PROPERTIES

Single Panel Size:
Max: 59"W x 118"L (1.5m x 3m)
Min: 1.5" W x 1.5" L (38mm x 38mm)

Shaping: 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: 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: 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.

Color Temperature Range: Between 3000K and 6500K tuneable.

IES files and colorimetry are available on our website www.rosco.com

SPECIFICATION ORDERING INFORMATION

CCT	Color Temperature	Size	LED Placement
	LitePad CCT - 3000K to 6500K tunable	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: CCT - 3x3 - L1
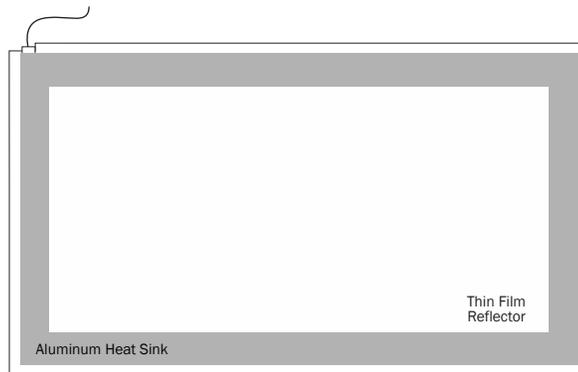
Contact **customlitepad@rosco.com** for specification questions

Typical LitePad
Front View

Wire Entry

Channel for
LED Ribbon

Typical LitePad
Back View

Thin Film
Reflector

Aluminum Heat Sink

Typical LitePad
Side View

LED Ribbon

Acrylic

8mm

Heat Sink

Thin Film Reflector

Name: _____   Date: _____

Company Name: _____

Project: _____