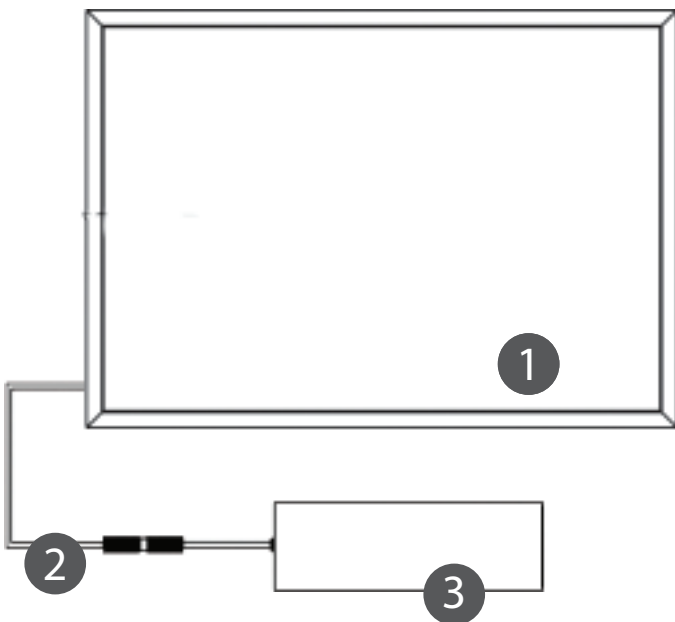**LUNOVAS**

LUMENPANEL
boundless potential with shapes and colors

System Overview

LumenPanel is an edge lit panel that can illuminate layers without any setback. It is a very popular choice for modern and classic designs. Because LumenPanel are made incredibly thin and easy to install, it is possible to illuminate a variety of material including onyx gemstone amongst many others.

1	LumenPanel
2	LumenPanel Cable (attached)
3	LED Driver

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Features

- Available in custom sizes and shapes
- Suitable for large scale surfaces
- Easy to hang
- Rigid structure
- Thin (thickness available from 6mm to 14mm)
- Patented heat sink technology to maximize led lifespan (70,000 hours)
- Low power consumption (70% less than fluorescent)
- Energy saving and maintenance free
- Superior consistent light quality
- Advanced 5-year warranty
- Product available for outdoor use (IP65 rated)

Specifications

Physical

	Color	Dry Location	IP65
Thickness	White	7.1 mm	8 mm
	RGB	11.1 mm	12 mm
	RGBW	13.1 mm	14 mm
Minimal Size	1ft x 0.75ft		
Maximum Size	11ft x 6ft		
Environment	Indoor, IP65		
Mounting	Screws, Z-clips, U-shapes, Mirror clips, Standoffs		
Operating Temperature	-30˚C (-22˚F) ~ +40˚C (+104˚F)		

Electrical

Lumens Output	Ultra Bright Lumen
Lumens/sqft	200lm/sqft
Input Voltage	24V
Wire Size	20 AWG 2 Wires , 20 AWG 3 Wires , 22 AWG 4 Wires
Wiring	Each LumenPanel requires direct connection to power supply
Connector	2.1 / 5.5mm Barrel Plug (Standard White LEDs), IP65 , Bare Wires

Color Options

Single	3000K, 4000K, 5000K, 6000K, 6500K, Single Color
Tunable	RGB, RGBW

Certifications

Application

Where	Onyx kitchen table, ceiling decoration, wall Light
How	Nails, double sided tape, metal extrusion

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Order Code

SAMPLE: LP-INT24-L200-REC-500X600-4000K-EDGE-BW3000

Series						
LP						

Type
INT24: Interior use, 24V input
EXT24: Exterior use, 24V input

Size
REC- Length x Width: Rectangle
CIR - Diameter: Circle
CP (Custom shape, drawing may be required)

Lumen Option
L100: 100 lumen/sqft
L200: 200 lumen/sqft

Color	
W: White	3000K 4000K 5000K 6000K
C: Color	Single RGB RGBW

Power Cord Exits
BACK : Power cord exits from the back side
EDGE: Power cord exits from short side (edge) corner (standard)
SE: Special Exits Method: specification needed

Cable Option (Length)
DC5521(Length): cable length (mm): 200/1500/ 3000
IP65(Length): cable length (mm): 200/ 1500/ 3000
BW(Length): cable length (mm): 3000

LED Driver

UL Listed Class 2 Constent Voltage Driver

Model	Output (W)	Input Voltage (V)	Output Voltage (V)	Dimming
SMLD-90-24-NA	90	120-277	24	No
SMLD-90-24-0-10	90	120-277	24	0-10V
SMLD-90-24-TRI	90	120-277	24	Triac

Wireless Dimming System

Wireless smooth dimming with no flickering

Model	Description
WR-RF-4-12-36-5A	RF Wireless Multi-Color 4 Channel Universal Receiver (12-36V input, max 5A)
SC-RC-RF-4	RF 4 Zones Single Color Controller
SC-DS-RF-1	RF 1 Zone Wireless LED Dimmer Switch

Additional Accessories

Model	Description	Purpose
DC-DALI-0-10	DALI to 0-10V Dimming Converter	Converts control signals from DALI/DMX to 0/1-10V

*All Lunovas Products come with 5 years warranty
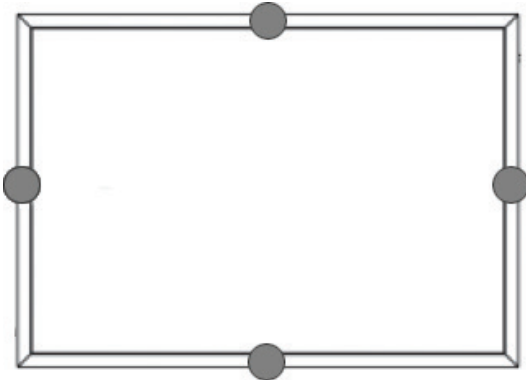
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Mounting Guide
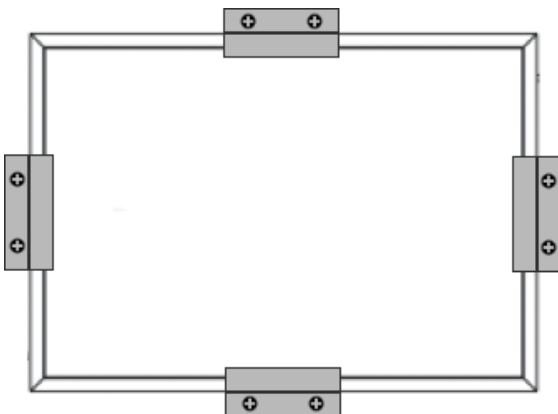
Screw Mounting

Under client request, our production team can pre-drill holes into the panel so they can be mounted with screws.

Standoffs Mounting

Z-Clips Mounting

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Product Handling

Lunovas is commited to educating and supporting all customers to ensure safe and smooth installations. Please be aware of the following cautions prior to handling and installing your Lunovas LumenPanel. If you have any questions with regards to the handling and installation process, please do not hesistate to reach out your account representative or to the Lunovas Support Team at (778)-308-4038.

Inspect and Test at Time of Delivery
Despite going through a very thorough quality control procedure, unforeseen issues with shipping and material handling may sometimes cause damage to the products. It is advised that all products be inspected and tested at time of delivery to ensure product functionality before installation.

Move with Care
The product must be held vertically when carried. Frame and LED strip will bow if carried flat and could result in breakage of internal parts (LED strips).

Fragile
Do handle the product with care as the surface is made with acrylic. Avoid putting too much weight on the panel. Avoid putting force on the edge as it may crack the acrylic. Avoid holding the panel wire as the weight of the panel may snap or loosen the wire.

Do not connect to AC Power
Make sure the panel is connected to a Lunovas recognized low voltage power supply. Direct connection of the panel to AC current will likely damage the LEDs.

Power, Control and Wiring
It is highly recommended that multi-strand, high strand count wiring be used for DC connections to minimize voltage drop and to optimize power distribution. Power supplies and drivers should be installed in well ventilated areas.

Storage
The panels should be stored in a clean and dry area. Covering should be used to keep moisture and dust away. Store horizontally so the panel does not run the risk of bending or falling.

Do not get wet
Specific panels are rated IP65 which means protection from dust ingress and water. Panels can have higher IP ratings when specified prior to ordering. Consult with account manager if application requires to be fully in water.

Do not cut or drill on your own
Lunovas panels can be customized and ordered to have holes pre-drilled or cut into various shapes prior to shipping. However, it is strongly advised that clients do not do this on their own as doing this incorrectly will cause permanant damage to the panel.

Installation Environment
When installing, the environment and location should be in considered. Extreme temperature shifts can cause the panel acrylic to expand or contract, or mounting tape to fail.

Cleaning with Care
Use mild soapy water to clean for removal of finger prints. Do not put too much pressure on the panel surface when cleaning as it may cause damage. Do not use cleaning solutions that contain ammonia, alcohol or other solvents.