



8mm Embedded
LED Dimmable Light Panel
Part # **131814**

Job Information <i>Fill out project details for this product below</i>			
Project		Location	
Contact		Date	
Product Number		Fixture Type	

The Light Panel that revolutionized retail and architectural lighting, is now available even brighter and more efficient. LumiSheet™ Pro is an impressive 30% higher Lumens/watt than the original LumiSheet™. The frameless, edge-lit LED panel produces a bright, even light across its entire surface and can be ordered in any shape, size, and color with limitless applications.



APPLICATIONS

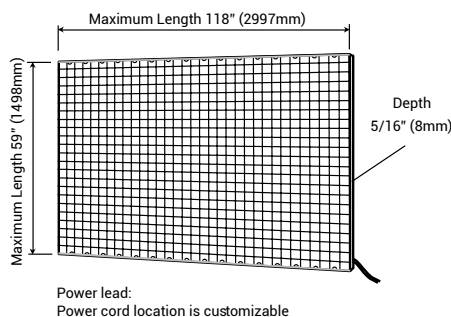
- Backlighting
- Feature Walls
- Shelving
- Backlit Stone
- Backlit Graphics
- Ceilings

COLOR TEMPERATURE (K)

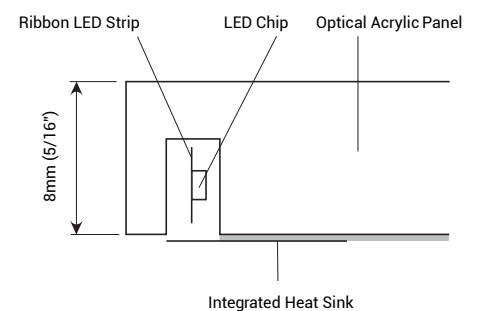


OVERVIEW

FRONT VIEW



PROFILE VIEW





SPECIFICATIONS

PHYSICAL

Part Number	8mm -131814
Series	LLP
Chip	LumiChip 2.0
CRI	≥ 95
Efficacy	131 Lumens/watt (5300K)
Color Temperature*	2700 K • 3500 K • 4100 K • 5300 K
Illumination	Single Face (SFI) • Double Face (DFI)
Operating Temperature	-30 °C (-22 °F) ~ +40 °C (+104 °F)
Environment	Dry / Damp location only (indoor)
Thickness	5/16" (8 mm)
Minimum Size	2" (50 mm) L x 2" (50 mm) W
Maximum Size	59" (1498 mm) W x 118" (2997 mm) L
Weight	1.95 lbs / sq ft (9.54 kg / sq m)
Fire Rating	Meets UL94V-0 standard

ELECTRICAL

Input Voltage	24V DC
Power Consumption	4.4 W/ft (Standard)
Wire Size	20 AWG 2 wire (Standard)
Wiring	Each Panel must be wired to power supply or wired in parallel. Maximum wire length 20 ft (6 m) to avoid voltage drop
Connector	Standard 5' (1500 mm), optional 10' (3000 mm) • 2.1 / 5.5 mm barrel plug (Standard)
Certification	UL listed (E346146)

*LED Kelvin temperatures listed in this literature have been derived from raw LED data. Actual Kelvin ratings can vary +/- 200 K based upon environmental conditions including but not limited to inclusion into LGPs and the use of diffusion materials. A precise ANSI bin control system is utilized to help maintain LED conformity and to minimize variances



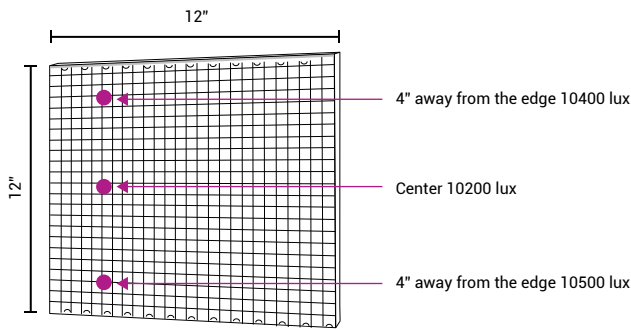
LED TESTING DATA

COLOR RENDERING INDEX • CRI: 95

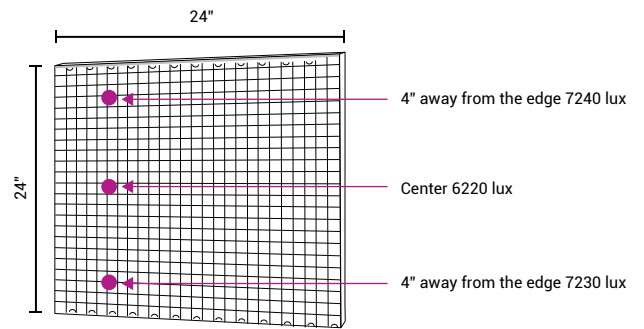
R1 = 99	R2 = 97	R = 93	R4 = 98	R5 = 97	R6 = 95	R7 = 98	R8 = 95
R9 = 85	R10 = 90	R11 = 97	R12 = 74	R13 = 98	R14 = 95	R15 = 96	

TYPICAL SURFACE BRIGHTNESS MEASUREMENTS

Brightness readings are for reference only. Actual reading may differ for different LEDs, LGPs or even different meters.

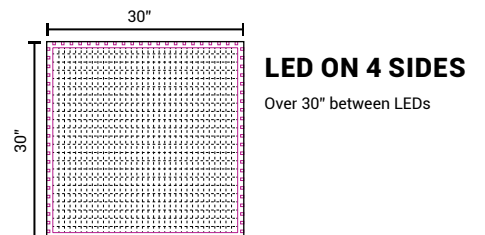
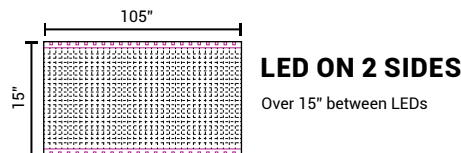
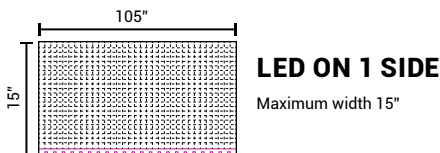


Two side lit, 12" (304.8 mm) x 12" (304.8 mm) LumiSheet™ Pro with 5300 K LEDs lit along 2 long edges (8W)



Two side lit, 24" (609.6 mm) x 24" (609.6 mm) LumiSheet™ Pro with 5300 K LEDs lit along 2 long edges (8W)

OPTIMAL ILLUMINATION OPTIONS FOR UNIFORMITY





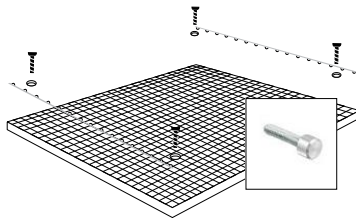
MOUNTING OPTIONS

- ⚠️ **Aluminum heat sink must not be removed from the product**
- Only install in indoor environments**

Mount panels securely using one of these options. For alternative mounting options, please contact your Omnify representative.

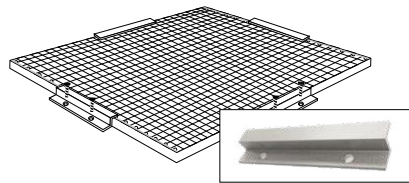
OPTION 1: SCREWS WITH PRE-DRILLED HOLES

Holes must be pre-drilled by Omnify during the manufacturing process according to specification drawings.



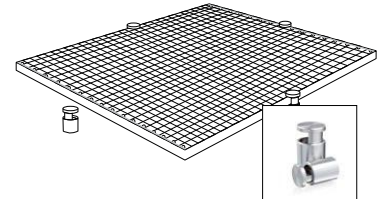
OPTION 2: Z CLIPS

Screw Z clips to the back of the frame and to the wall. Request Z clips if required.



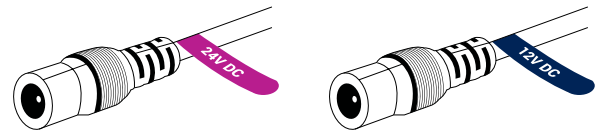
OPTION 3: EDGE CLIPS / STANDOFFS

Source either 5/16" (8mm) clips to suit depth of the LumiSheet™ Pro panel. Affix the panel to the surface as you would a



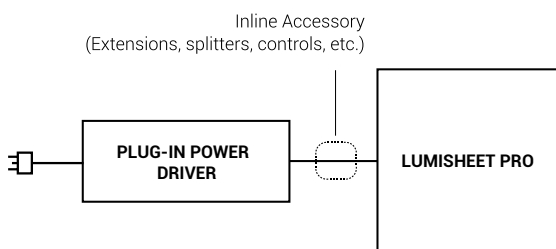
WIRING

Determine your system components, including a power driver, as well as optional dimmer and controller. Use only UL Certified power drivers with the power output that coordinates with your input voltage. Do not apply 24V DC to 12V DC Light Guided Panel within seconds the result may be burned LEDs or fire. Look for our voltage tags at the end of the power cord.



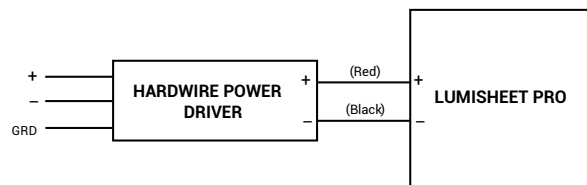
WIRING WITH PLUG-IN POWER DRIVER

Use a plug-in driver to connect Light Guided Panel to your power source.



WIRING WITH HARDWIRE POWER DRIVER

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.





WIRE EXIT LOCATION OPTIONS

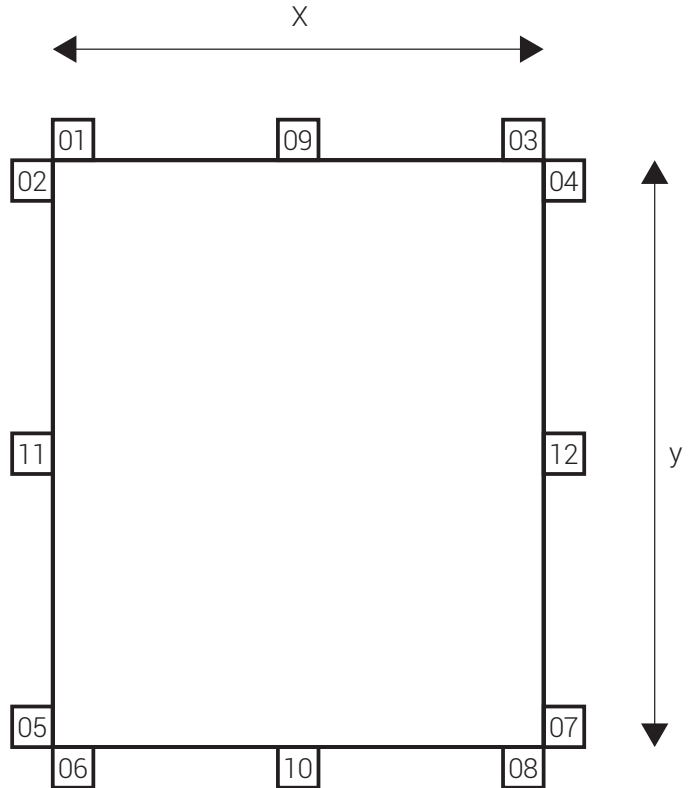
- 1, 3, 6, 8:** Corner Exit short side
- 2, 4, 5, 7:** Corner exit long side
- 9, 10:** Side Exit short side
- 11, 12:** Side exit long side

Chose wire exit(s) from above:

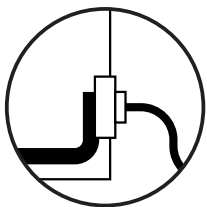
12V - Wattage <50W 1 wire; Wattage >50W 2 wires

24V - Wattage <75W 1 wire; Wattage >75W 2 wires

Please consult with Customer Support Team if panel wattage is >100W

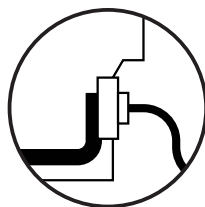


EXIT TYPE OPTIONS



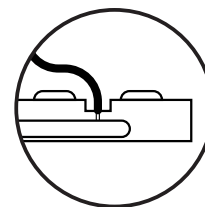
1 - Edge

Power cord exits from edges



2 - Notched

Recessed (notched) power cord exits



3 - Rear

Power cord exits from the rear side of the light panel



ACCESSORIES AND OPTIONS

POWER ADAPTORS OPTIONS

Plug-in (Class 2)

950021-24-024	24V	24W
950036-24-060	24V	60W
950033-24-036	24V	36W
950025-24-096	24V	96W
950035-24-096	24V	96W

Hardwire

950037-24-060	24V	60W
950038-24-096	24V	96W
950039-24-115	24V	150W

Magnetic Driver

951015	24V	96W
951016	24V	150W

5 in 1 Dimming Driver

951004-24-096	24V	96W
951006-24-192	24V	2x96W

* Other power options available on request

CONTROLLER OPTIONS

Inline Plug and Play Dimmer

970014	24V	96W
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Inline Dimmer with Remote

970007	24V	144W
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LED Dimming Module

970001	24V	98W
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Rotatory Style Dimmer

970002	24V	192W
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* Other controller options available on request

CONNECTOR OPTIONS

DC Jack 5'

80008	White
80006	Black

DC Jack 10' (W)

80009	White
80007	Black

Bare Leads

80019	White
80014	Black

MOUNTING OPTIONS

Option 1	Pre-Drilled Holes
Option 2	Z-Clips
Option 3	Standoffs



LumiSheet™ Pro



8mm Embedded
LED Dimmable Light Panel
Part # **131814**

ORDER INFORMATION

LLP Series

Product #	Size	Color Temperature		Voltage	Wattage
131814 8 mm	z-y: Custom Size	270-2700 K 350-3500 K 410-4100 K 530-5300 K		24-24V DC	4.4 4.4 W/ft (Standard)
Connectors	Illumination	LED Location	Exit Type	Exit Location	Mounting
80008 DC jack 5' White 80006 DC jack 5' Black 80009 DC jack 10' White 80007 DC jack 10' Black 80019 Bare leads White 80014 Bare leads Black	1: Single face 2: Double face	1: LEDs along 1 long edge 2: LEDs along 2 long edges 3: LEDs along 1 short edge 4: LEDs along 2 short edges 5: LEDs along all 4 edges 6: Custom illumination	1: Edges 2: Notched 3: Rear	Wiring exit options diagram 01 - 02 - 03 - 04 - 05 - 06 07 - 08 - 09 - 10 - 11 - 12	1 Pre-Drilled Holes 2 Z-Clips 3 Standoffs 4 N/A

EXAMPLE

131814-11x14-350-24-4.4-80008-1-1-1-01-2

The specification number immediately above can be deconstructed as follows:

LumiSheet™ Pro - 8mm; Dimensions(z-y)-11"X 14"; Color Temperature 3500K; Voltage-24V; Wattage-4.4W/ft; Connector-DC Jack 5' White; Illumination-Single Sided(1);Location(1)-1 Long Edge; Power Cord Exits(1); Power Cord Exit Location from the edges (01); Mounting-Z-Clips