main place lighting

LLP

LED Light Panel

PATENTED

3 YEAR WARRANTY

LLP (LED Light Panel) has revolutionized retail and architectural lighting. This frameless, edge-lit LED light panel produces a bright, even light across its entire surface. It can be ordered in any shape, size, and color and can be put virtually anywhere. The applications are endless.

Custom Applications

Lit Walls

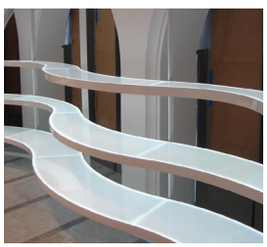
Lit Ceilings

Lit Fixturing

Lit Shelving

FEATURES

- ✓ Available in custom sizes, shapes, and curves
- ✓ Full color customization
- ✓ Frameless
- ✓ Slim (8 mm, optional 6 mm thick)
- ✓ 3D v-cutting technology
- ✓ High brightness (up to 10 000 lux)
- ✓ High CRI available
- ✓ Long LED lifespan (70 000+ hours)
- ✓ Energy saving and maintenance free (70% energy savings over traditional lighting)
- ✓ Superior consistent light quality
- ✓ Advanced 3-year warranty



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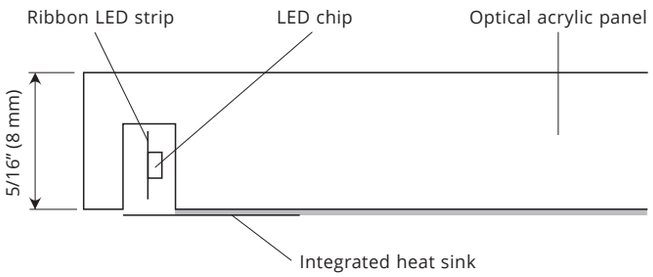
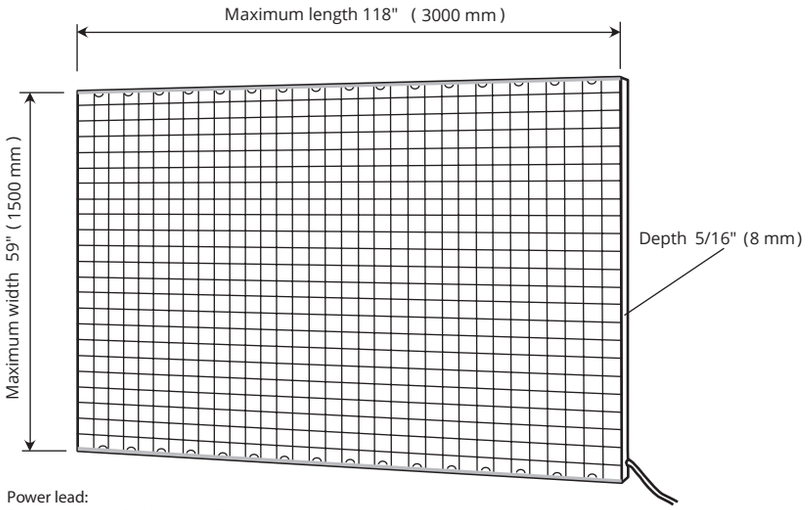
PROFILE VIEW



FRONT VIEW



Power lead:
Power cord location is customizable

SPECIFICATIONS

Electrical			
Input Voltage	12 VDC	24 VDC (optional)	
	Standard	**CCT**	**RGB**
Power Consumption	4.0 W/ft	5.0 W/ft	5.0 W/ft 4.3 W/ft (static red, static green, or static blue)
Wire Size	20 AWG 2 wire	20 AWG 2 wire	22 AWG 4 wire
Wiring	Each panel must have direct connection to power supply. Do not wire panels in series		
Connector	Standard 5' (1500 mm), optional 10' (3000 mm)		
	2.1 / 5.5 mm barrel plug	Bare wire	Bare wire
Certification	UL recognized component (E362079), UL listed (E346146)		
Physical			
	Standard	**CCT**	**RGB**
Color Temperature	3000 K 3500 K 4100 K 5300 K 6300 K	CCT (2700 K - 6500 K)	RGB Static red Static green Static blue
Standard CRI	80		
High CRI	≥ 90 available (12 VDC only) in 3000 K, 4100 K, 5300 K		
Mounting	Mounted with screws, Z-clips or edge clips / standoffs		
Lumen Output (lm/W)	88 (3000 K), 98 (3500 K), 100 (4100 K), 106 (5300 K), 99 (6300 K)		
Operating Temperature	-30 °C (-22°F) ~ +40 °C (+104 °F)		
Environment	Dry location only (indoor)		
Thickness	5/16" (8 mm)	Optional 1/4" (6 mm)	
Minimum Size	2" (50 mm) L x 2" (50 mm) W		
Maximum Size	118" (3000 mm) L x 59" (1500 mm) W		
Weight	1.95 lbs / sq ft (9.54 kg / sq m)		

SPECIFICATIONS BY SIZE

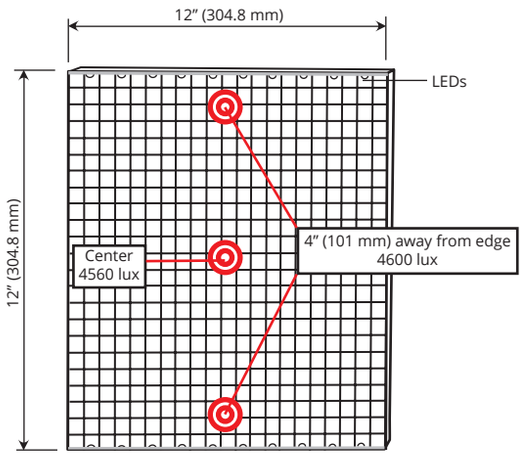
Size (inch)	Size (mm)	LED Strip	Average Surface Brightness (Lx)	Power Consumption (W)
6 x 6	150 x 150	1 side	6000	2
12 x 12	300 x 300	1 side	3000	4
24 x 24	600 x 600	2 sides	3200	15
36 x 36	900 x 900	2 sides	2600	23
48 x 48	1200 x 1200	2 sides	2200	30
48 x 96	1200 x 2400	2 sides	2200	60
Ø 6	Ø 152	all around	19 000	5.8
Ø 12	Ø 300	all around	13 000	11.2
Ø 24	Ø 600	all around	5400	24
Ø 36	Ø 900	all around	4500	36
Ø 48	Ø 1200	all around	3500	48

ORDER INFORMATION

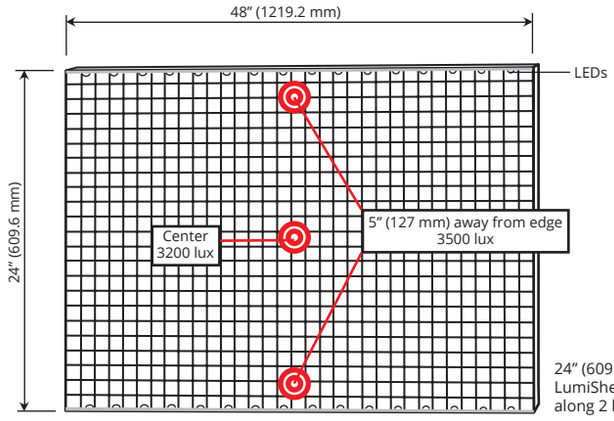
Series #	Size	Color Temperature		Illuminated Face Option	Cable Length	LED Location
LLP12 8 mm depth 12 V **LLP24** 8 mm depth 24 V	**CS**: Custom shape (drawing may be required)	**3000 K** **3500 K** **4100 K** **5300 K** **6300 K**	**CCT** (2700 K - 6500 K) **RGB** **Static red** **Static green** **Static blue**	**SFI**: Single face **DFI**: Double face	**WL15**: 5' (1500 mm) power cord with 2.1 / 5.5 mm barrel plug **WL30**: 10' (3000 mm) power cord with 2.1 / 5.5 mm barrel plug	**L1**: LEDs along 1 long edge **L2**: LEDs along 2 long edges **S1**: LEDs along 1 short edge **S2**: LEDs along 2 short edges **S4**: LEDs along all 4 edges **CI**: Custom illumination

TYPICAL SURFACE BRIGHTNESS MEASURE

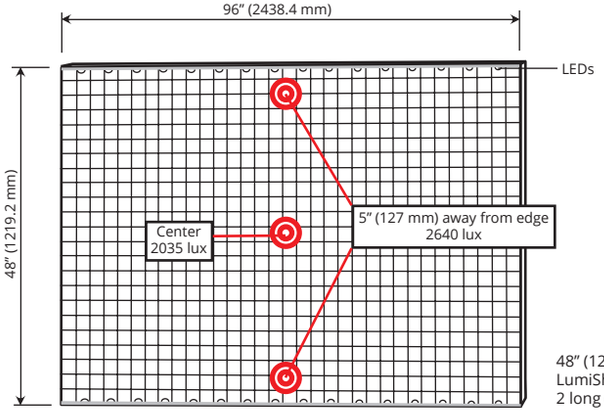
Brightness readings are for reference only. Actual reading may differ for different LEDs, LGPs or even different meters



12" (304.8 mm) x 12" (304.8 mm) LumiSheet with 5300 K LEDs lit along 2 long edges (8 W)



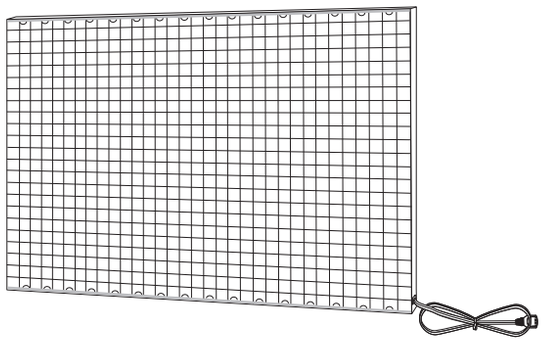
24" (609.6 mm) x 48" (1219.2 mm) LumiSheet with 5300 K LEDs lit along 2 long edges (30 W)



48" (1219.2 mm) x 96" (2438.4 mm) LumiSheet with 5300 K LEDs lit along 2 long edges (60 W)

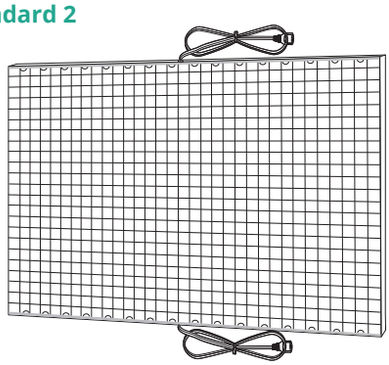
TYPICAL POWER CORD EXITS

Standard 1



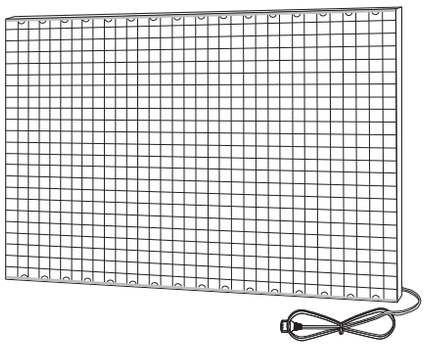
Power cord exits from the corner of the short side

Standard 2



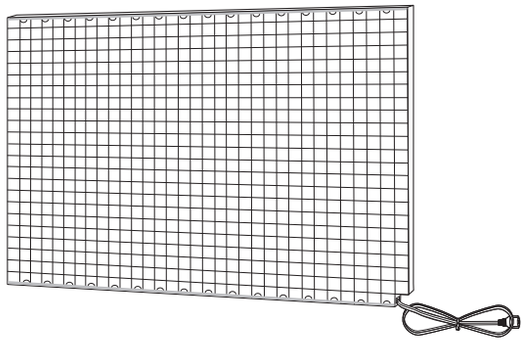
For LumiSheet longer
than 6' the power cord exits from the middle of each long side

Option 1



Power cord exits from the back face

Option 2



Notched power cord exit

Notes:

- Acrylic and other manufacturing components and methods may contribute to an expansion or contraction of sizes based on environmental or tooling factors. Please allow a minimum of ± 1/8" (3.175 mm) to compensate for any changes in the outside dimensions of this product
- Our tunable white LEDs utilize separate warm and cool white channels for color mixing. 3rd party controls must account for proportional balancing/mixing of the two channels. Example: 3000 K (Warm White) = 3000 K 100% ON & 6500 K (Ultra White) OFF, Balancing/Mixing of both = 3000 K 50% ON & 6500 K 50% ON, 6500 K = 3000 K OFF & 6500 K 100% ON. Both channels cannot be allowed to operate at 100% simultaneously as the LED are not engineered to handle such high current
- 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
- DLC strives to maintain tight control over specification factors. However, specifications are subject to change on rare occasion. These changes may not be reflected here