QUICK SPECS // LED EDGELIT

LumiSheet™
LED Light Panel

12V · DIMMABLE · c RU us · c UL us

ELECTRICAL

Input Voltage	12 Volt DC - Constant Voltage; 24 Volt DC (Option)
Power Consumption	4.0 Watts/ft (single color LEDs) 5.0 Watts/ft (Tunable White and RGB LEDs)
Wire Size	20 AWG 2 wire (Standard LEDs) 20 AWG 3 wire (Tunable White LEDs) 22 AWG 4 wire (RGB LEDs)
Wiring	Each panel must have direct connection to power supply. Do not wire panels in series.
*Connector	2.1/5.5mm barrel plug (Standard White LEDs) [White Stripe / Center pin +] 3 pin molex / bare wires (Tunable White LEDs) [White - Power, Grey - Warm White, Black - Cool White] No connector (RGB LEDs) Custom connection types available
Certification	UL Listed (E346146) & UL Recognized (E362079) MRI Compliant – no ferrous metals

* Standard cord length 5' (1500mm) & 10' (3000mm). Custom length options available up to 20'.

PHYSICAL

**Color Temperature	Warm White (WW) 3000K Soft White (SW) 3500K Neutral White (NW) 4100K Pure White (PW) 5300K Ultra White (UW) 6300K Tunable White (TW) 2700K - 6500K Color Adjustable (RGB) Check availability for other color options
Mounting Examples	Wall mounted with screws, Z-clips, U-channel, mirror clips or standoffs
Operating Temperature	-30˚C (-22˚F) ~ +40˚C (+104˚F)
Environment	Dry location only (Standard)
Thickness †	8MM (Standard), 6MM is also available depending on application
Minimum Size	2" W x 2" L x 5/16" D (50mm x 50mm x 8mm)
Maximum Size	59" W x 118" L x 5/16" D (1499mm x 2997mm x 8mm)
Weight	1.95 lbs/sq. ft. (8MM LGP) 9.54 kg/sq. M (8MM LGP)

** LED Kelvin temperatures listed in this literature have been derived from raw LED data. Actual Kelvin ratings can vary +/- 200K 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. Static red, green, and blue options available.

† Please contact an Evo-Lite Integration Specialist if a thickness other than 8mm is desired.

SPECIAL FEATURES

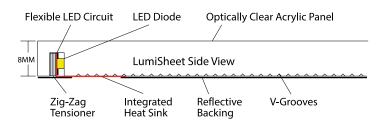|	
Custom Shapes	•
Full Integration Support	•
3D V-Cutting Techology	•
High Brightness	• (2,000 - 10,000 LUX)
Multi-Color Option	•
Tunable White Option	•
Consistent Light Quality	•
Patented Heat Sink Technology	•
Low Power Consumption	• (70% Less than flourescent)
Energy Saving & Maintenance Free	•
Advanced 3-Year Warranty	•

BRIGHTNESS & POWER CONSUMPTION REFERENCE - BASED ON 5300K LEDS

Size (IN)	Size (MM)	LED Strip	*Avg Surface Brightness (LUX)	Power Consumption (W)
6 x 6	150 x 150	1 side	6,000	2.0
12 x 12	300 x 300	1 side	3,000	4.0
24 x 24	600 x 600	2 sides	3,200	15.0
36 x 36	900 x 900	2 sides	2,600	23.0
48 x 48	1200 x 1200	2 sides	2,200	30.0
48 x 96	1200 x 2400	2 sides	2,200	60.0
Ø 6	Ø 150	all around	19,000	5.8
Ø 12	Ø 300	all around	13,000	11.2
Ø 24	Ø 600	all around	5,400	24.0
Ø 36	Ø 900	all around	4,500	36.0
Ø 48	Ø 1200	all around	3,500	48.0

*Brightness data was measured January 2015.

POWER & CONTROLS

LED Light Panels are capable of full range (100% to off) light control when used with full range capable power & control components. Please contact Evo-Lite for optimal power & control solutions to fit your requirements.

PRODUCT INTEGRATION ADVISORY

The use of adhesives of any type for the bonding of materials to LumiSheet or bonding LumiSheet to another surface is strongly discouraged.

Direct bonding can result in visual anomalies or failure of the Lumisheet panel which is not covered under warranty.
Be sure to remove clear protective film before installation.

PROFILE OF LUMISHEET

Flexible LED Circuit · LED Diode · Optically Clear Acrylic Panel · 8MM · LumiSheet Side View · Zig-Zag Tensioner · Integrated Heat Sink · Reflective Backing · V-Grooves