

LumiSheet™

LED Light Panel

ELECTRICAL

Input Voltage	12 Volt DC - Constant Voltage
Power Consumption	3.5 Watts/ft (3000K, 3500K, 5300K, & 6300K) 4.5 Watts/ft (4100K) 4.5 Watts/ft (Tunable White LEDs) 5.0 Watts/ft (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 / cUL (E346146, E325925)

* Standard 5' (1500mm), Optional 10' (3000mm)

PHYSICAL

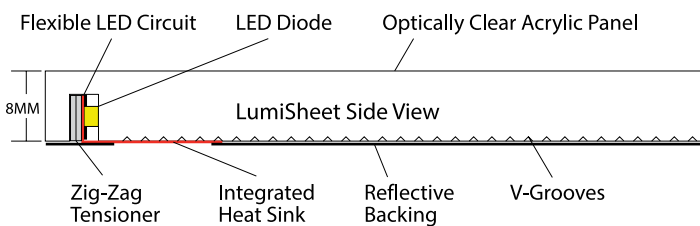
Color Temperature	Warm White approx. 3000K Soft White 3500K Neutral White approx. 4100K Pure/Cool White approx. 5300K Ultra White 6300K Tunable White 3000K - 6500K Color Adjustable RGB Check availability for other color options
Mounting Examples	Wall mounted with screws, Z-clips, U-channel, mirror clips 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. 9.54 kg/sq. M

* Please consult an Evo-Lite™ sales engineer if a thickness other than 8MM is desired

POWER & CONTROLS

Please contact Evo-Lite for optimal power & control solutions to fit your requirements

PROFILE OF LUMISHEET



SPECIAL FEATURES

Custom Shapes	•
Full Integration Support	•
3D V-Cutting Technology	•
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 fluorescent)
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 from Jan. to Aug., 2009. "DL" denotes regular LEDs.

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.