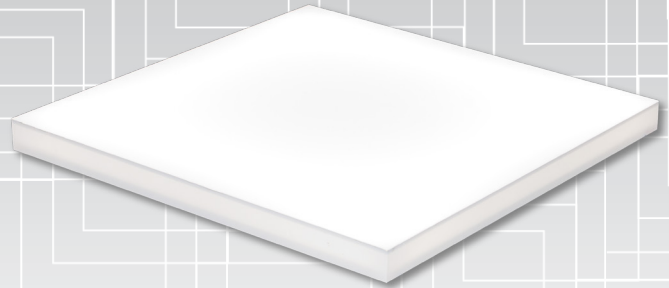


LumiFrost

Frameless, Diffused LED Light Panel



A diffused LED backlighting solution with a 3D effect. LumiFrost combines LumiSheet LED light panels with a sign white acrylic diffuser. It is illuminated across 5 surfaces: the top and 4 edges, to provide a 3D look. LumiFrost is relied on as an energy efficient, frameless, elegant signage solution with no hot spots.

FEATURES



Accent Lighting



Recessed Lighting



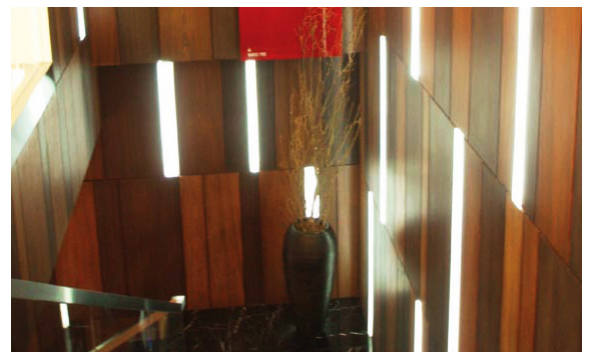
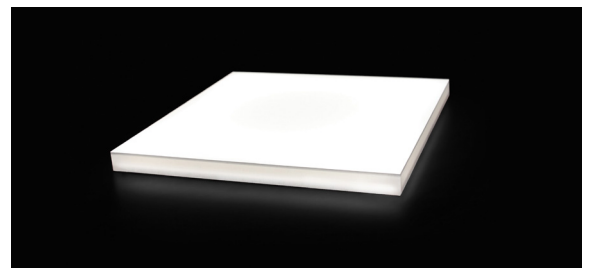
Channel Letters



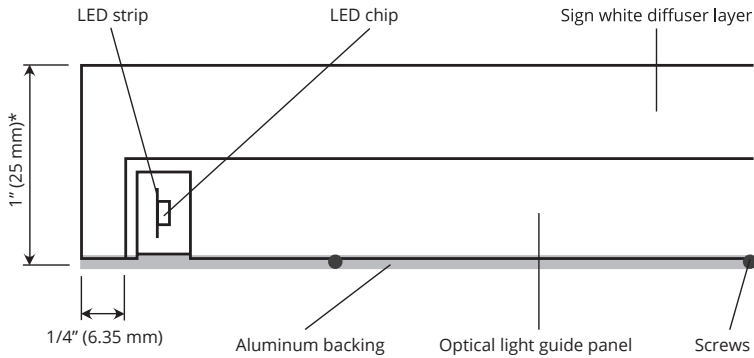
Lit Floors



- ✓ Available in custom sizes and shapes
- ✓ Sign white acrylic casting for even light distribution
- ✓ Full color customization
- ✓ 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

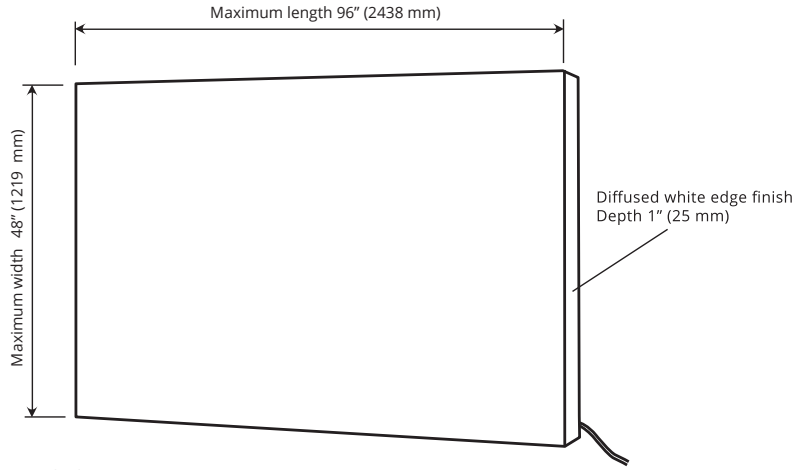


PROFILE VIEW










* The total thickness including the screw is approximately 1" (25 mm)

FRONT VIEW



Power lead:
The power cord exits from the back side of the light tile

SPECIFICATIONS

Electrical							
Input Voltage	12 VDC			24 VDC (optional)			
Power Consumption	4.0 W/ft (standard) 5.0 W/ft (RGB) 4.3 W/ft (static red, static green, or static blue)						
Wire Size	20 AWG 2 wire, 22 AWG 4 wire (RGB)						
Wiring	Each panel must have direct connection to power supply. Do not wire panels in series						
Connector	2.1 / 5.5 mm barrel plug (for non-RGB). Bare wire (for RGB). Standard 5' (1500 mm), optional 10' (3000 mm)						
Certification	UL listed (E346146 LumiSheet embedded)						
Physical							
Color Temperature	3000 K 	3500 K 	4100 K 	5300 K 	6300 K 	CCT 	RGB 
	Static red, static green, static blue						
High CRI	≥ 90 available (12 VDC only) in 3000 K, 4100 K, 5300 K						
Mounting	Consult with your DLC representative for options						
Operating Temperature	-30 °C (-22 °F) ~ +40 °C (+104 °F)						
Environment	Dry location only						
Thickness	1" (25 mm)						
Minimum Size	3" (76 mm) L x 3" (76 mm) W						
Maximum Size	96" (2438 mm) L x 48" (1219 mm) W						
Weight	5.85 lbs / sq ft (30 kg / sq m)						

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

ORDER INFORMATION					
Series #	Size	Color Temperature	Illuminated Face Option	Cable Length	LED Location
LLF12 25 mm depth 12 V LLF24 25 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	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 5' (1500 mm) bare wire for RGB	L1: LEDs along 1 long edge L2: LEDs along 2 long edges S1: LEDs along 1 short edge S2: LEDs along 2 short edges CI: Custom illumination