

# LumiFrost™

## Diffused LED Light Panel

### CUSTOMIZABLE

- // Available in custom sizes & shapes
- // Multi-color option

### LONG LIFESPAN

- // Patented heat sink technology to maximize LED lifespan (70,000 hours)

### ENERGY EFFICIENT

- // Low power consumption (70% less than fluorescent)
- // Energy saving and maintenance free

### WARRANTY

- // Advanced 3-year warranty



### EVEN ILLUMINATED SLIM PROFILE

Adding LumiFrost™ Diffused LED Light Panel's to your display adds dimension and dynamic elements unavailable with other technologies. When integrating our LumiFrost™ Diffused LED Light Panel's, you can eliminate the need for deep cans and trimcap that are currently used, replacing them with a thinner solution which conforms to store design and governmental requirements. We invite you to apply the creative and cost saving benefits of Diffused LED Light Panel's to your next signage project.

*For optimal even illumination, maximum recommended stroke width not to exceed 2 inches.*

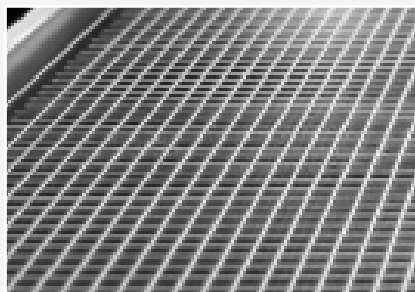
#### Integrated High Quality LEDs

Our LumiFrost™ Diffused LED Light Panel utilizes the LumiSheet™ technology which relies upon high quality 12V, constant voltage LEDs positioned internally, around the perimeter of LumiFrost™ shape.



#### 3D V-Groove Light Guide Plate (LGP)

Our LumiFrost™ Diffused LED Light Panel incorporates the LumiSheet™ technology as the light source for this unique product offering. A crystal clear acrylic with a bonded diffusion layer combined with a patented 3D V-groove etched grid pattern provides the catalyst for bright, even illumination.



#### Integrated Thermal Management

All LEDs create heat which is detrimental to their life span. Our LumiFrost™ Diffused LED Light Panel implements LumiSheet™ and its patented technology which integrates the heat sink into the LGP to efficiently remove heat which results in longer life.



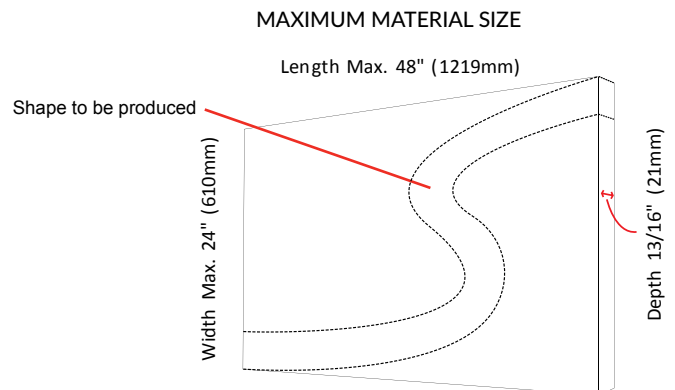
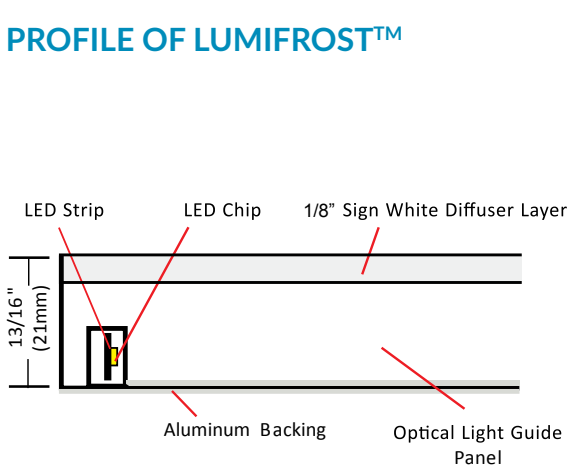
# SPECIFICATIONS

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 [Center pin +] (Standard/HO LEDs)	3-pin molex (Tunable White LEDs)	No connector (RGB LEDs)	Custom connection types available			
Certification	UL / cUL (E346146, E362079)						
PHYSICAL							
Color Temperature	Warm White ~3000K	3500K	Neutral White ~4100K	Pure/Cool White ~5300K	6300K	Tunable White 3000K - 6500K	Color Adjustable RGB
Mounting Examples	Mounted with screws, Z-clips, U-channel, or stand offs						
Operating Temperature	-30 °C (-22 °F) ~ +40 °C (+104 °F)						
Environment	Dry location only (Standard)						
Thickness	13/16" (21MM)						
Minimum Size	3"W x 3"L x 13/16" D (76mm x 76mm x 21mm)						
Maximum Size	24"W x 48"L x 13/16"D (610mm x 1219mm x 21mm)						
Weight	5.12 lbs/sq. ft.			27.43 kg/sq. M			
POWER & CONTROLS							
<b>Please contact Evo-Lite for optimal power &amp; control solutions to fit your requirements</b>							

\* Standard 5', Optional 10'



## PROFILE OF LUMIFROST™



**Power lead:**  
The power cord typically exits from the back side of the LumiFrost panel.



## EVO-LITE, LLC

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### TERMS & CONDITIONS

Be sure to familiarize yourself with Evo-Lite's Terms & Conditions.  
By ordering from Evo-Lite, the purchaser agrees to all Terms & Conditions.

### PATENTS

#### LumiSheet™ PATENTS

USA: 7473022  
CANADA: 2,626,448  
JAPAN: 4427528  
CHINA: ZL 200610085027.0  
TAIWAN: 312899  
SINGAPORE: 141901  
SOUTH AFRICA: 2008/03676  
EUROPEAN UNION:  
1,780,584  
(Germany, UK, France, Italy,  
Spain, The Netherlands,  
Belgium, Sweden, Austria,  
Poland, Denmark, Greece,  
Ireland, Finland, Portugal, Czech  
Republic, Hungary, Romania,  
Slovakia, Bulgaria, Switzerland,  
Luxembourg, Slovenia, Turkey,

#### V-CUTTER FOR AN LCD LIGHT GUIDE PANEL

USA: 6619175  
JAPAN: 3500466  
TAIWAN: 155175

#### A LIGHT GUIDE PANEL WITH SALANT LIGHT GUIDING PARTS

USA: US 7,018,087 B2

#### PIN KIT FOR V-CUTTER

KOREA: 10-0552589, 10-  
0557738, 10-0557741,  
0540055, 0540053, 10-  
0772921, 10-0716543,  
10-0565890, 10-0753963,  
10-0643604,  
10-0736656, 10-0748074,  
10-0748073, 10-0762741,  
USA: 6792842  
JAPAN: 3463060  
EU: 1335817  
CHINA: ZL 01818623.8  
TAIWAN: 163820

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