PRODUCT OVERVIEW

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

<table>
<thead>
<tr>
<th>ELECTRICAL</th>
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<tbody>
<tr>
<td><strong>Input Voltage</strong></td>
<td>12 Volt DC - Constant Voltage</td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td>3.5 Watts/ft (3000K, 3500K, 5300K, 6300K)</td>
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<tr>
<td><strong>Wire Size</strong></td>
<td>20 AWG 2 wire (Standard LEDs)</td>
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<tr>
<td><strong>Wiring</strong></td>
<td>Each panel must have direct connection to power supply. Do not wire panels in series.</td>
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**Power Cord** typically exits from the back side of the LumiFrost panel.

<table>
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<tr>
<th>PHYSICAL</th>
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<tr>
<td><strong>Color Temperature</strong></td>
<td>Warm White ~3000K 3500K</td>
</tr>
<tr>
<td><strong>Mounting Examples</strong></td>
<td>Mounted with screws, Z-clips, U-channel, or stand offs</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>-30 °C (-22 °F) ~ +40 °C (+104 °F)</td>
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<tr>
<td><strong>Environment</strong></td>
<td>Dry location only (Standard)</td>
</tr>
<tr>
<td><strong>Thickness</strong></td>
<td>13/16” (21MM)</td>
</tr>
<tr>
<td><strong>Minimum Size</strong></td>
<td>3”W x 3”L x 13/16” D (76mm x 76mm x 21mm)</td>
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<tr>
<td><strong>Maximum Size</strong></td>
<td>24”W x 48”L x 13/16”D (610mm x 1219mm x 21mm)</td>
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<tr>
<td><strong>Weight</strong></td>
<td>5.12 lbs/sq. ft.</td>
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**POWER & CONTROLS**

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

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**PROFILE OF LUMIFROST™**

- **LED Strip**
- **LED Chip**
- **1/8” Sign White Diffuser Layer**
- **Aluminum Backing**
- **Optical Light Guide Panel**

**MAXIMUM MATERIAL SIZE**

- **Shape to be produced**
- **Length Max. 48” (1219mm)**
- **Width Max. 24” (610mm)**
- **Depth 13/16” (21mm)**

Power lead:
The power cord typically exits from the back side of the LumiFrost panel.
EVO-LITE, LLC
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URL: www.Evo-Lite.com

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