PRODUCT OVERVIEW

**LumiChannel**

LED Light Channel

**CUSTOMIZABLE**
- Custom lengths up to 100”

**BRIGHT & EVEN ILLUMINATION**
- 3D V-Cutting technology
- Superior consistent light quality

**EASY INSTALLATION**
- Plug & play installation

**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

**LOW PROFILE CUSTOM FIXTURE**

The LED Light Channel combines a 3” wide LumiSheet™ Light Panel and a milky white or colored diffuser into a less than 1” thick “U-Channel” made of aluminum extrusion. The standard light lengths are 12”, 24”, 36”, 48” and 60”, and can be custom made up to 100”. Each Light Channel comes with two mounting brackets on both ends which make it extremely easy to install.

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**Integrated High Quality LEDs**

LumiSheet™ LED Light Channel utilizes the LumiSheet™ technology which relies upon high quality 12V, constant voltage LEDs positioned internally, around the perimeter of the light panel.

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

LumiSheet™ LED Light Channel 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 bright, even illumination.

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**Integrated Thermal Management**

All LEDs create heat which is detrimental to their life span. LumiSheet™ LED Light Channel 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>
<th></th>
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<tbody>
<tr>
<td>Input Voltage</td>
<td>12 Volt DC - Constant Voltage</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>3.5 Watts/ft (3000K, 3500K, 5300K, 6300K)</td>
</tr>
<tr>
<td>Wire Size</td>
<td>20 AWG 2 wire (Standard LEDs)</td>
</tr>
<tr>
<td>Wiring</td>
<td>Each panel must have direct connection to power supply. Do not wire panels in series.</td>
</tr>
<tr>
<td><em>Connector</em></td>
<td>2.1/5.5mm barrel plug [Center pin +] (Standard/HO LEDs)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>PHYSICAL</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Mounting Examples</td>
<td>Wall mounted with screws</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-30 °C (-22 °F) ~ +40 °C (+104 °F)</td>
</tr>
<tr>
<td>Environment</td>
<td>Dry location only (Standard)</td>
</tr>
<tr>
<td>Thickness</td>
<td>1 3/16” (30mm)</td>
</tr>
<tr>
<td>Minimum Size</td>
<td>3 5/32”W x 3”L x 1 3/16” D (76mm x 76mm x 30mm)</td>
</tr>
<tr>
<td>Maximum Size</td>
<td>3 5/32”W x 100”L x 1 3/16”D (80mm x 2540mm x 30mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>1.95 lbs/sq. ft. + Extrusion</td>
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<tr>
<td>Brightness</td>
<td>7,000 - 14,000 Lux</td>
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**POWER & CONTROLS**

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

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>LLC12-12</th>
<th>LLC12-24</th>
<th>LLC12-36</th>
<th>LLC12-48</th>
<th>LLC12-60</th>
<th>LLC12-CS</th>
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<tbody>
<tr>
<td>Wattage</td>
<td>4W</td>
<td>8W</td>
<td>12W</td>
<td>16W</td>
<td>20W</td>
<td>Max size up to 100” (2540mm)</td>
</tr>
<tr>
<td>Fixture Length</td>
<td>12” (305mm)</td>
<td>24” (610mm)</td>
<td>36” (914mm)</td>
<td>48” (1219mm)</td>
<td>60” (1524mm)</td>
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</tbody>
</table>

* Standard 5' | Optional 10'  **See RGB product line for more details. Static red, green, and blue color options available.

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**PROFILE OF LUMISHEET LED LIGHT CHANNEL**

![Diagram of LUMISHEET LED LIGHT CHANNEL]

- **3” (76mm)**
- **1.18” (30mm)**
- **3.15” (80mm)**
- **Diffuser**
- **5/16” (8 mm) LED Light Panel**

![Diagram of LUMISHEET LED LIGHT CHANNEL]

- **3 5/32” (80mm)**
- **1 3/16” (30mm)**
- **2 1/2” (63.5mm)**
- **1/2” (13mm)**
- **Max. size up to 100” (2540mm)**
EVO-LITE, LLC
1393 S. Santa Fe Dr. Denver, CO 80223

MAIN PHONE: 303-996-2980
TOLL FREE: 1-888-887-2980
E-MAIL: INFO@EVO-LITE.COM
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

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