PRODUCT OVERVIEW

**LumiLightBox™ #17**
Ribbed Double-Sided

**CUSTOMIZABLE**
- Available in custom sizes
- Double sided application

**BRIGHT & EVEN ILLUMINATION**
- 3D V-Cutting technology
- Superior consistent light quality
- Super thin & super bright

**EASY INSTALLATION**
- Plug & play installation

**LONG LIFESPAN**
- Patented heat sink technology to maximize LED lifespan (70,000 hours)

**ENERGY EFFICIENT**
- Low power consumption
- Energy saving and maintenance free

**WARRANTY**
- Advanced 3-year warranty

**SLIM PROFILE**

LumiLightBox™ #17 (Ribbed Double-Sided) consists of a single or double face illuminated white or RGB LumiSheet with a ribbed aluminum frame. This ultra slim, ultra bright, energy efficient LED lighting unit is the best choice for shelf backlighting in retail stores and for decorative lighting in other commercial applications to replace inefficient traditional fluorescent lighting fixtures.

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**Integrated High Quality LEDs**

LumiLightBox™ utilizes the LumiSheet™ technology which relies upon high quality 12V, constant voltage LEDs positioned internally, around the perimeter of the light box.

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

LumiLightBox™ 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 lifespan. LumiLightBox™ implements LumiSheet™ and its patented technology which integrates the heat sink into the LGP to efficiently remove heat which results in longer life.
## Profile of LumiLightBox #17

**Frame**
- Frame Width: 1 1/4" (32mm)
- Frame Thickness: 3/4" (19mm)

**LED Light Panel**
- Double-Sided 5/16" (8mm) LED Light Panel

**Dimensions**
- Minimum Size: 8 1/2”W x 11”L x 5/16”D (216mm x 279mm x 8mm)
- Maximum Size: 48”W x 96”L x 5/16”D (1219mm x 2438mm x 8mm)

**Weight**
- 1.95 lbs/sq. ft. (8mm LGP)
- 9.54 kg/sq. M (8mm LGP)

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### Electrical

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input Voltage</strong></td>
<td>12 Volt DC - Constant Voltage</td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td></td>
</tr>
<tr>
<td>Standard LEDs</td>
<td>3.5 Watts/ft (3000K, 3500K, 5300K, 6300K)</td>
</tr>
<tr>
<td>Tunable White LEDs</td>
<td>4.5 Watts/ft (4100K)</td>
</tr>
<tr>
<td>RGB LEDs</td>
<td>5.0 Watts/ft</td>
</tr>
<tr>
<td><strong>Wire Size</strong></td>
<td></td>
</tr>
<tr>
<td>Standard LEDs</td>
<td>20 AWG 2 wire</td>
</tr>
<tr>
<td>Tunable White LEDs</td>
<td>20 AWG 3 wire</td>
</tr>
<tr>
<td>RGB LEDs</td>
<td>22 AWG 4 wire</td>
</tr>
<tr>
<td><strong>Wiring</strong></td>
<td>Each panel must have direct connection to power supply. Do not wire panels in series.</td>
</tr>
<tr>
<td><strong>Connector</strong></td>
<td></td>
</tr>
<tr>
<td>Standard/HO LEDs</td>
<td>2.1/5.5mm barrel plug [Center pin +]</td>
</tr>
<tr>
<td>Tunable White LEDs</td>
<td>3-pin molex (Tunable White LEDs)</td>
</tr>
<tr>
<td>RGB LEDs</td>
<td>No connector (RGB LEDs)</td>
</tr>
<tr>
<td>Custom connection types</td>
<td>Custom connection types available</td>
</tr>
</tbody>
</table>

**Certification**
- UL / cUL (E334549, E346146)

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### Physical

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Color Temperature</strong></td>
<td></td>
</tr>
<tr>
<td>Warm White ~300K</td>
<td></td>
</tr>
<tr>
<td>Soft White 3500K</td>
<td></td>
</tr>
<tr>
<td>Neutral White ~4100K</td>
<td></td>
</tr>
<tr>
<td>Pure/Cool White 5300K</td>
<td></td>
</tr>
<tr>
<td>Ultra White 6300K</td>
<td></td>
</tr>
<tr>
<td>Tunable White 3000K - 6500K</td>
<td><strong>Color Adjustable RGB</strong></td>
</tr>
</tbody>
</table>

**Mounting Examples**
- Wall mounted with screws, hanging, or pendant with hanging wires

**Operating Temperature**
- -30 °C (-22 °F) ~ +40 °C (+104 °F)

**Environment**
- Dry location only (Standard)

**Thickness**
- 10mm

**Minimum Size**
- 8 1/2”W x 11”L x 5/16”D (216mm x 279mm x 8mm)

**Maximum Size**
- 48”W x 96”L x 5/16”D (1219mm x 2438mm x 8mm)

**Weight**
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**Frame Series #**
- LLB12-17

<table>
<thead>
<tr>
<th>Series</th>
<th>LLB12-17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frame Width</td>
<td>1 1/4&quot; (32mm)</td>
</tr>
<tr>
<td>Frame Thickness</td>
<td>3/4&quot; (19mm)</td>
</tr>
<tr>
<td>Frame Material &amp; Color</td>
<td>Anodized Aluminum Snap Frame Color: Silver</td>
</tr>
</tbody>
</table>

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### Power & Controls

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

* Standard 5’ (1500mm), Optional 10’ (3000mm) ** See RGB product line for more details. Static red, green, and blue color options available.

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**Color Temperature:**
- Warm White (WW) 3000K
- Soft White (SW) 3500K
- Neutral White (NW) 4100K
- Pure/Cool White (PW) 5300K
- Ultra White (UW) 6300K
- Tunable White (TW) 3000K - 6500K
- Color Adjustable (CA) 3000K - 6500K
- RGB

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MOUNTING OPTIONS (All Mounting Hardware Sold Separately)

1 SCREW MOUNTING

FRONT

BACK

FRONT

BACK

LIGHT BOX FRONT

LIGHT BOX BACK

2 SCREW MOUNTING
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

Specifications are subject to change without notice.