Discover a versatile grand format backlighting solution that combines brilliant, innovative illumination with an energy-efficient design when you use LUXMESH™ LED Lattice to backlight large format graphics, such as those printed on our Profile 100 and 120 series Fabric Light Boxes. Featuring a wide beam angle, energy-saving design and consistent lighting output, LUXMESH™ is the designer’s choice for backlighting even surfaces, including simple curved applications. Fully adjustable to meet your application’s unique needs, mix and match the standard module sticks and combine them to your desired length for a custom fit that will provide full coverage without hot spots.

Powerful grand format backlighting made easy

ASSURED QUALITY

- CRI 80+
- Strong Color Rendering
- Outstanding Brightness
- Even Lighting
- No Dark Spots
- Long LED Lifespan
- Contours for Simple Curves
- Effective Backlighting Solution
- Wide Beam Angle
- 80% Energy Efficient
- Custom Roll Lengths
- Custom Colors
- Constant Power - 24V

E477011 100% QC MANUFACTURER’S WARRANTY

(714) 256-2111
sales@ledconn.com
(714) 256-2118
301 Thor Place
Brea, CA, 92821
www.ledconn.com
• Sign Cabinet Backlighting
• Fabric Light Box Backlighting
• Ceiling & Wall Backlighting
• Large Format Illumination
• Simple Curved Applications
• ...And Many More!

APPLICATIONS
**MECHANICAL**

**LED MODULE**
- **LED Count**: 3, 6, & 12 pc/stick
- **PCB**: 3/16” (w) x 9/32” (h) [20mm (w) x 7mm (h)]
- **LED Pitch**: 3-3/8” (80mm)
- **Stick-to-Stick Pitch**: 6” (152mm)
- **No. of Sticks per Roll**: 12 sticks
- **Max. Roll Length**: Unlimited
- **Ambient Temperature**: -4°F to +176°F (-20~+80°C)
- **IP Rating**: IP60*
- **Environment**: Indoor applications
  *EXTERIOR applications (IP 65) available upon request

**MOUNTING**
- **Method**
  - Screws or
  - Double-sided foam tape
- **Optimal Cabinet Depth**: 3”-5” (76mm-127mm)
  **Optimal depth to prevent hot spots**

**ELECTRICAL**

**LIGHT SOURCE**
- **LED Chip**: Nichia 3030 LED
- **Wide Beam Angle**: 160° with Optical Lens
- **Life Expectancy**: 50,000+ hours
- **Color Rendering**: CRI 80+
- **Standard Color**: Cool White (6500K)
- **Available Colors**:
  - Daylight (5300K)
  - Neutral White (4100K)
- **Dimmable**: Compatible with pulse-width modulation dimming (PWM) & 0-10V dimming
- **UL Listed**: E477011

**POWER SUPPLY**
- **Input Voltage**: 24Vdc constant current
- **Wire Size**: 20 AWG 2 Wire
- **Please use only with Class 2 power supply**

**Connector Type**
- **Molex®**
- **Hardwire**

**AVAILABLE COLOR TEMP. (CCT)**
- Neutral White 4100K
- Daylight 5300K
- Cool White 6500K

**STANDARD**

<table>
<thead>
<tr>
<th>SIZE</th>
<th>STICK WIDTH</th>
<th>LED/STICK</th>
<th>ROLL LENGTH</th>
<th>LED</th>
<th>BRIGHTNESS (lm/stick)</th>
<th>EFFICACY (lm/W)</th>
<th>POWER (W/stick)</th>
<th>MAX LOAD (96W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short</td>
<td>9-1/2” (241mm)</td>
<td>3</td>
<td>72” (1829mm)</td>
<td>IP60</td>
<td>320</td>
<td>86.5</td>
<td>3.7</td>
<td>24 sticks</td>
</tr>
<tr>
<td>Medium</td>
<td>19-1/4” (489mm)</td>
<td>6</td>
<td>72” (1829mm)</td>
<td>IP60</td>
<td>650</td>
<td>86.7</td>
<td>7.5</td>
<td>12 sticks</td>
</tr>
<tr>
<td>Long</td>
<td>37-3/4” (959mm)</td>
<td>12</td>
<td>72” (1829mm)</td>
<td>IP60</td>
<td>1300</td>
<td>86.7</td>
<td>15.0</td>
<td>6 sticks</td>
</tr>
</tbody>
</table>

**ILLUSTRATION NOT DRAWN TO SCALE**

**SPECIFICATION SUBMITTAL**

<table>
<thead>
<tr>
<th>JOB NAME / NUMBER</th>
<th>PART NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

**LUXMESH™ LED LATTICE**

301 Thor Place, Brea, CA 92821 tel (714) 256-2111 fax (714) 256-2118 sales@ledconn.com www.ledconn.com Specifications are subject to change without notice. © 2017 LEDCONN CORP. All Rights Reserved.
# AVAILABLE PRODUCTS

## MIX & MATCH 3 BAR SIZES

- 9-1/2” (241mm)
- 19-1/4” (489mm)
- 37-3/4” (959mm)

= UNLIMITED COMBINATIONS & LENGTHS

LINK LED STICKS HORIZONTALLY OR VERTICALLY WITHOUT LIMIT

## LATTICE PART NUMBER ORDER SHEET

### EXAMPLE

<table>
<thead>
<tr>
<th>PRODUCT LINE</th>
<th>LUXMESH</th>
<th>LONG STICK</th>
<th>ROLL LENGTH (MULTIPLES OF 6 ONLY)</th>
<th>COLOR</th>
<th>CONNECTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>M3872WM</td>
<td>M</td>
<td>38</td>
<td>72</td>
<td>W</td>
<td>M</td>
</tr>
</tbody>
</table>

BUILD IT!

### PRODUCT LINE

- M: LUXMESH™

### STICK WIDTH

- 09: 9-1/2” (SHORT)
- 19: 19-1/4” (MEDIUM)
- 38: 37-3/4” (LONG)

### ROLL LENGTH (MULTIPLES OF 6 ONLY)

- LL: LENGTH (VARIES)

### COLOR TEMPERATURE (CCT)

- W: 6500K
- V: 5300K
- Y: 4100K
- C: CUSTOM CCT

### CONNECTOR

- M: MOLEX
- H: HARDWIRE