The Fusion Optics Series is an advanced optic series for side lighting and shallow cabinets. Use less product for reduced labor in large multi-stroke signs. Save up to 50% over other LED side-lit products.

**THE FUSION BATWING**

**SPECIFICATIONS**

- **Dimension**: 1.55"W x 1.48"L x 0.48"H
- **Beam Angle**: 160˚ Batwing
- **Operating Temp.**: -40 to +60˚C
- **Intensity (White)**: 102 LM/module (205LM/ft.)
- **Efficacy (White)**: 100 LM/W (system)
- **Power Supply**: P-LED 12VDC
- **Fastening**: VHB Tape / Mechanical Screw Hole
- **Protection Grade**: IP65
- **Packaging**: 25 ft. (50 mods) per bag or 100 ft. (100 bags) per case
- **Warranty**: 5 Year (Product) / 5 Year (Ltd Labor)

**THE FUSION BATWING DESCRIPTION**

<table>
<thead>
<tr>
<th>Color</th>
<th>Wavelength/ CCT (typical)</th>
<th>Lumens/ft.</th>
<th>Energy Usage (Watts/ft.)</th>
<th>Max. Power Load (60W Supply)</th>
<th>P-LED Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sign White</td>
<td>6500K</td>
<td>205</td>
<td>1.2</td>
<td>25 ft. (50 mods)</td>
<td>PL-FS2-BW1-P</td>
</tr>
</tbody>
</table>

**MAXIMUM COVERAGE CHART FOR FUSION BATWING**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Max. Stroke</th>
<th>Spacing (Multi-Rows)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5&quot;</td>
<td>4 – 5&quot;</td>
<td>3.5&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>8&quot;</td>
<td>6 – 8&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>12&quot;</td>
<td>8 – 10&quot;</td>
</tr>
<tr>
<td>6&quot;</td>
<td>15&quot;</td>
<td>11 – 14&quot;</td>
</tr>
<tr>
<td>&gt;7&quot;</td>
<td>18&quot;</td>
<td>14 – 16&quot;</td>
</tr>
</tbody>
</table>

*Product and depth may vary depending on face material and desired brightness.*
THE FUSION POD

SPECIFICATIONS

- **Dimension**: 1.55"W x 1.48"L x 0.75"H
- **Beam Angle**: 15 x 80˚
- **Operating Temp.**: -40 to +60˚C
- **Intensity (White)**: 100 LM/module (250LM/ft.)
- **Efficacy (White)**: 77 LM/W (system)
- **Power Supply**: P-LED 12VDC
- **Fastening**: VHB Tape / Mechanical Screw Hole
- **Protection Grade**: IP65
- **Packaging**: 18 ft. per tray or 180 ft. (10 trays) per case
- **Warranty**: 5 Year (Product) / 2 Year (Ltd Labor)

**Mounts on the side!**

THE FUSION POD DESCRIPTION

<table>
<thead>
<tr>
<th>Color</th>
<th>Wavelength/CCT (typical)</th>
<th>Mods/ft.</th>
<th>Lumens/ft.</th>
<th>Energy Usage (Watts/ft.)</th>
<th>Max. Power Load (60W Supply)</th>
<th>P-LED Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sign White</td>
<td>6500K</td>
<td>2.5</td>
<td>250</td>
<td>1.3</td>
<td>18 ft.</td>
<td>PL-FS2-PD1-P</td>
</tr>
</tbody>
</table>

THE FUSION POD

ROBOTIC PRECISION

P-LED utilizes robotic systems for an automated pick-and-place technology to ensure every module is made the same way every time. This allows P-LED to provide the most advanced LED manufacturing methods and produce the industry’s most consistent LED modules and sign components.