FEM LED

Frequently Asked Questions

How are the upgraded FEM LED vapor-tight fixtures different from the previous LED version of the FEM?
While maintaining its familiar sleek appearance, the electronic components inside have been significantly upgraded to industry-leading improvements in efficiency and operating temperatures. The new FEM LED has more diffuser options and twice as many lumen packages to fit more applications than ever. The upgraded FEM LED also boasts numerous control options including sensors, battery backup, generator transfer device, and Acuity Controls XPoint™ wireless. See product comparison chart below.

<table>
<thead>
<tr>
<th>FEM LED</th>
<th>Current FEM</th>
<th>Upgraded FEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Lumen Packages</td>
<td>4; up to 9000L</td>
<td>10 lumen packages; 3000L to 20000L</td>
</tr>
<tr>
<td>Diffuser</td>
<td>3 lens options available</td>
<td>7 lens options available (low profile and polycarbonate added)</td>
</tr>
<tr>
<td>Distribution</td>
<td>General and Spread</td>
<td>Medium and Wide</td>
</tr>
<tr>
<td>Color Temperature</td>
<td>3500K, 4100K, 5700K</td>
<td>3000K, 3500K, 4000K, 5000K</td>
</tr>
<tr>
<td>Color Rendering Index</td>
<td>65CRI, 70CRI</td>
<td>80CRI, 90CRI</td>
</tr>
<tr>
<td>IP Ratings</td>
<td>IP65, IP66, IP67, NEMA 4X</td>
<td>IP65, IP66, IP67, NEMA 4X, 1500 PSI hose-down</td>
</tr>
<tr>
<td>Ambient Temperature Range</td>
<td>-22°F (-30°C) to 77°F (25°C)</td>
<td>-40°F (-40°C) to 113°F (45°C)</td>
</tr>
<tr>
<td>Dimming</td>
<td>Yes</td>
<td>Yes, 0-10v dimming</td>
</tr>
<tr>
<td>Motion Sensor</td>
<td>On/Off only</td>
<td>360° High/Low Mount, On/Off, Daylight Override</td>
</tr>
<tr>
<td>Generator Transfer Device</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Battery Backup</td>
<td>No</td>
<td>Yes; 1400L up to 90 min</td>
</tr>
<tr>
<td>Wireless Control</td>
<td>No</td>
<td>Yes; Acuity Controls XPoint™ Wireless</td>
</tr>
<tr>
<td>Enclosure</td>
<td>Fiberglass</td>
<td>Same enclosure; no change</td>
</tr>
<tr>
<td>Latches</td>
<td>Captive, stainless latches</td>
<td>Captive, polymeric latches standard; stainless option</td>
</tr>
<tr>
<td>NSF</td>
<td>Splash Zone 2</td>
<td>Splash Zone 2</td>
</tr>
</tbody>
</table>

What different fixture sizes are available?
The FEM LED is available in two lengths, L48 (4’) and L96 (8’). If your application calls for a 2’ linear wet-location fixture, the DMW2 LED is recommended.

What material is the diffuser made from?
The standard lens is made of high-impact-strength acrylic, which has impact resistance comparable to 100% DR. For high abuse applications, a vandal-resistant polycarbonate lens is available that carries a lifetime warranty against breakage and added protection against harsh environments.

The polycarbonate lens is approximately ten times stronger than the acrylic lens. Both polycarbonate and acrylic lens options are injected molded rather than thermal molded, resulting in uniform thickness, improved strength, less breakage, and consistent fit and finish.

Both the acrylic and polycarbonate lens are F1 outdoor rated and UV stabilized to keep from yellowing or becoming brittle over time.

What fastener options are available?
Captive polymeric (POM) latches ship standard with FEM L48 and FEM L96. The captive, stay-in-place latches simplify installs by keeping the latch in the upright position and out-of-the-way during the installation. #316 stainless steel latches are also available for tougher applications or food processing areas. Both latch options can be ordered with optional Torx screws to resist tampering.
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What material is the FEM LED housing enclosure made from?
The FEM L48 and FEM L96 is offered with a 5VA rated fiberglass housing. 5VA enclosures are tested to the toughest UL94 flammability standards. The 5VA rated enclosure allows the fixture to be used as a wire way.

What are typical uses and applications for the FEM LED?
The general purpose FEM LED is a feature-rich, wet location and vapor-tight fixture that suits many demanding environments requiring protection from moisture and dust. Typical applications include parking garages, industrial facilities, canopies, retail malls, multi-purpose centers, garden centers, and more.

What components are field replaceable?
The FEM L48 and FEM L96 fixtures are designed for simple serviceability, if needed. The diffuser, light engine and drivers can be easily field replaced.

How easy is it to access the internal components?
Simply remove the diffuser by disengaging the latches and removing the four slotted hex screws securing the access cover.

What are the ways this fixture can be mounted?
The FEM LED can be ceiling or suspended mounted. Pre-punched stainless steel mounting brackets are included (two per luminaire) for easy field-attachment of bolts, screws and other mounting hardware.

Different distributions available?
Yes, medium (MD) and wide (WD) distributions are available.

What is included in the box with this fixture?
Instruction sheet, fixture, and standard mounting bracket, (no loose hardware)

What lumen packages are available?
FEM L48 (4ft) – 3000L, 4000L, 6000L, 8000L, 10000L
FEM L96 (8ft) – 9000L, 12000, 15000, 18000, 20000L

Can I tune/change the color temperature in the field?
No, but the FEM LED is available in four different color temperatures (3000K, 3500K, 4000K, 5000K) that are configured at the factory.

Is this a stock product?
No, not at this time. The typical lead time for this fixture is 5-10 business days.

Does the upgraded FEM LED have any Ingress Protection (IP) listings?
The upgraded FEM LED fixtures are IP65, IP66, and IP67 rated providing excellent protection against moisture and dust to meet most demanding environments.

Can I use this fixture in food preparation areas?
Yes, the fixture is rated at NSF splash zone 2. Optional stainless steel latches are also available.

What fittings are included?
Black end plugs are included. Wet location fittings are available as an option.