

## 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.

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



#### 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.