

FEM LED

Frequently Asked Questions

How is the updated FEM LED Vapor-tight fixtures different from the previous FEM LED Vapor-tight fixtures?

While maintaining its familiar sleek appearance, the updated light engine and refractor enhancements deliver improved performance and efficiency. The enhanced FEM LED now offers optional IOTA emergency battery packs in 7W and 10W, as well as expanded cord set options, including new lengths and Reloc configurations. This update also achieves IP69K and IK10 ratings, representing the highest levels of impact resistance. Refer to the product chart below for detailed FEM LED specifications.

FEM LED	
Number of Lumen Packages	16 lumen packages; 2000L to 24000L
Diffuser	7 lens options available (low profile and polycarbonate added)
Distribution	Medium, Wide, and Parking Garage
Color Temperature	3000K, 3500K, 4000K, 5000K
Color Rendering Index	80CRI, 90CRI
IP Ratings	IP65, IP67, & option for IP69K, NEMA 4X, 1500 PSI hose-down
NSF	Splash Zone 2
IK Ratings	Deep & Low-Profile Lens rated IK10
Ambient Temperature Range	-40°F (-40°C) up to 122°F (50°C)
Dimming	Yes, 0-10v dimming
Motion Sensor	360° High/Low Mount, On/Off, Daylight Override
Generator Transfer Device	Yes
Battery Backup	Yes; 1400L up to 90 min
Wireless Control Option	Yes; nLight® Air Lighting Controls
Enclosure	Same enclosure; no change
Latches	Captive, polymeric latches standard; stainless option



What different fixture sizes are available?

The FEM LED is available in three lengths, L24 (2'), L48 (4'), and L96 (8').

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 the FEM LED. 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 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 is 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), wide (WD), and parking garage (PGD) 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 L24 (2ft) – 2000L, 3000L, 4000L, 6000L
FEM L48 (4ft) – 3000L, 4000L, 6000L, 8000L, 10000L, 12000L
FEM L96 (8ft) – 9000L, 12000, 15000, 18000, 20000L, 24000L

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 in the Contractor Select or Design Select Programs?

Yes, the FEM LED Vapor Tight is now available in our Design Select Program – shipping in 15 days or less.

Does the FEM LED have any Ingress Protection (IP) listings?

The FEM LED fixtures are IP69K rated providing excellent protection against moisture and dust to meet most demanding environments.

What is the FEM LED's IK ratings?

The Deep and Low-Profile Acrylic lens options are all IK10 rated, providing the highest level of resistance to physical impact.

Lens Type	Description	IK Rating
IMACD	Acrylic, clear deep lens	IK10
IMAFD	Acrylic, deep frosted lens	IK10
LPAFL	Acrylic, low profile frosted lens	IK10
LPACL	Acrylic, low profile clear lens	IK10

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.

Visit www.lithonia.com for more information.