FEATURES & SPECIFICATIONS

INTENDED USE — An attractive and energy-efficient surface-mounted or suspended LED luminaire, suitable for wet, damp and/or cold locations. For challenging situations where relatively low fixture mounting heights and wide fixture spacings are common — such as industrial facilities, parking garages, retail malls, multi-purpose rooms, garden centers, and airports. Certain airborne contaminants can diminish integrity of acrylic. Click here for Acrylic Environmental Compatibility table, for suitable uses.

CONSTRUCTION — One-piece 5VA fiberglass housing with integral perimeter channel utilizing continuous poured-in-place closed cell gasket. Approved as a wireway and through wiring. Tool-less driver and wiring access. Stainless steel latches are standard. Polycarbonate latches also available (See Options). Power connection is easily accommodated through pre-drilled holes at each end, with wet location fittings provided for maximum flexibility. Easily mounted to ceilings and structure, or suspended with chain, cable or rod, using stainless steel mounting brackets (included).

OPTICS — 100% impact modified frosted acrylic lens with lineal ribs. Also available is an optically clear or frosted deep acrylic lens.

ELECTRICAL — Utilizes high-efficiency LED's on metal core circuit boards. 4100 Kelvin temperature standard with additional color temperatures also available. High efficiency driver operates 120V through 277V, 50-60HZ. Integral surge protection tested in accordance with IEEE/ANSI C62.41.2 to Category C Low. Includes a temperature-sensing component that will limit the temperature of the LEDs in case of excessive ambient temperatures or misapplication. 0-10V dimming driver standard. Expected service life of 60,000 hours at 80% lumen maintenance (L80); predicted life of more than 100,000 hours.

INSTALLATION — Fixture can be ceiling or suspended mounted. Stainless steel mounting brackets included (two per luminaire), pre-punched for easy field-attachment of bolts, screws and other mounting hardware. Covered ceiling is not required to maintain wet location listing or IP rating.

LISTINGS — CSA certified to UL and C-UL standards. Listed for wet locations in ambient temps ranging from -30°C to 25°C when fixture is surface mounted or up to 40°C when fixture is suspended at least 6" from ceiling (driver would have 3 year warranty). IP65, IP66 and IP67 rated. NSF splash-zone certified and meets FDA/USDA guidelines. Nema 4X rated lens and housing. See “FEM LED Specification Matrix” for ambient temperature listing.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

ORDERING INFORMATION — Lead times will vary depending on options selected. Consult with your sales representative.

Example: FEM4 LED 4L/57 IMAFL

<table>
<thead>
<tr>
<th>Series</th>
<th>Lumens/Color temperature</th>
<th>Diffuser</th>
<th>Distribution</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>FEM4 LED 4'</td>
<td>Nominal Lumens</td>
<td>Color temperature</td>
<td>Acrylic, lineal ribbed frosted lens</td>
<td>SD</td>
</tr>
<tr>
<td>FEM8 LED 8'</td>
<td>3L 3000 lumens</td>
<td>(blank) 4100K (CRI 65)</td>
<td>General distribution</td>
<td>120</td>
</tr>
<tr>
<td></td>
<td>4L 4000 lumens</td>
<td>57 5700K (CRI 70)</td>
<td>Spread distribution</td>
<td>277</td>
</tr>
<tr>
<td></td>
<td>6L 6000 lumens</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>9L 9000 lumens</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Options

- CS89 Cord set - NEMA type STW 16/3, 6', 600V, white, no plug, wet location
- CS89L12 Cord set - NEMA type STW 16/3, 12', 600V, white, no plug, wet location
- CS88 Cord set - Brad Harrison 3P male straight 600V molded plug, 6' type STOW yellow PVC cord, 16/3
- CS88L12 Cord set - Brad Harrison 3P male straight 600V molded plug, 12' type STOW yellow PVC cord, 16/3
- LSP Less surge protector
- DIM Pre-wired for 0-10V low-voltage dimming (100-10%)
- DIM2 Line-voltage power control (100%-50%)³
- MSI Wet location 360° motion sensor pre-wired for ON/OFF operation ², ¾
- TRS Tamper resistant Torx® T10 Screws
- WIF Wet location fitting (pre-installed on top of housing) ⁵
- WIFEND Wet location fitting (one end)
- PLC Polycarbonate latches
- DPMB Dual pendant mounting bracket

Accessories: Order as separate catalog number.

- HC36 Hook and 36" chain (ships as pair)
- MHHK120 10' single leg air craft cable
- MHHK120SS 10' single leg air craft cable, stainless steel
- RK1 T10DRV Torx® T10 screwdriver for TRS option
- FEMOPMB Dual pendant mounting bracket (ships as a pair)

Notes

1. The CCT value provided is of lamp source and actual CCT will vary upon levels.
2. Must specify voltage.
3. Available with 8’ only.
4. For mounting up to 8’, specify MS8; for mounting up to 20’, specify MS20; for mounting up to 40’, specify MS40.
5. WLF option does not meet NEMA 4X.
### FEM LED Specification Matrix*

<table>
<thead>
<tr>
<th>Fixture</th>
<th>System watts</th>
<th>Actual lumens</th>
<th>mA</th>
<th>Max. ambient temp. (°C)</th>
<th>Width</th>
<th>IMAFL depth</th>
<th>IMACD or IMAFD depth</th>
<th>Length</th>
<th>Comparable fluorescent/HID</th>
</tr>
</thead>
<tbody>
<tr>
<td>FEM4 3L</td>
<td>39</td>
<td>3418</td>
<td>350</td>
<td>40</td>
<td>25</td>
<td>4 3/4 (12.1)</td>
<td>6 1/8 (15.5)</td>
<td>52</td>
<td>1-lamp 32W T8, 1-lamp 54W T5HO, 70W MH</td>
</tr>
<tr>
<td>FEM4 4L</td>
<td>61</td>
<td>4728</td>
<td>525</td>
<td>35</td>
<td>25</td>
<td>4 3/4 (12.1)</td>
<td>6 1/8 (15.5)</td>
<td>52</td>
<td>2-lamp 32W T8, 70W HPS</td>
</tr>
<tr>
<td>FEM8 6L</td>
<td>78</td>
<td>6836</td>
<td>350</td>
<td>40</td>
<td>25</td>
<td>4 3/4 (12.1)</td>
<td>6 1/8 (15.5)</td>
<td>100 1/4</td>
<td>3-lamp 32W T8, 2-lamp 54W T5HO, 100W HPS, 100W MH</td>
</tr>
<tr>
<td>FEM8 9L</td>
<td>122</td>
<td>9456</td>
<td>525</td>
<td>25</td>
<td>25</td>
<td>4 3/4 (12.1)</td>
<td>6 1/8 (15.5)</td>
<td>100 1/4</td>
<td>4-lamp 32W T8, 150W MH</td>
</tr>
</tbody>
</table>

*Values based on 4100K LEDs and deep clear acrylic lens. Calculations are estimated results for general informational purposes only. Results may vary depending on the application.

** Fixture must be suspended at least 6" below ceiling.

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**PHOTOMETRICS**

See [www.lithonia.com](http://www.lithonia.com) for photometry reports.