LFS - LAL
LED Large Area Light

Description
The LFS-LAL large area light is the first of its kind in Lumecon’s LED Fire Series. Combining a sleek fixture design with energy efficient performance allows this fixture to be used in parking lots, roadways, pathways and general area lighting applications replacing existing 1,000W HID fixtures one-for-one.

Performance Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Watts</th>
<th>Equiv</th>
<th>Lumens</th>
<th>Efficacy</th>
</tr>
</thead>
<tbody>
<tr>
<td>LFS-LAL-180 (Type III)</td>
<td>177W</td>
<td>400W</td>
<td>15,392 Lm</td>
<td>87 LPW</td>
</tr>
<tr>
<td>LFS-LAL-180 (Type V)</td>
<td>177W</td>
<td>400W</td>
<td>16,709 Lm</td>
<td>94 LPW</td>
</tr>
<tr>
<td>LFS-LAL-280 (Type III)</td>
<td>281W</td>
<td>1,000W</td>
<td>23,130 Lm</td>
<td>82 LPW</td>
</tr>
<tr>
<td>LFS-LAL-280 (Type V)</td>
<td>281W</td>
<td>1,000W</td>
<td>25,007 Lm</td>
<td>89 LPW</td>
</tr>
</tbody>
</table>

Dimensions & Weights

<table>
<thead>
<tr>
<th>Model</th>
<th>Width</th>
<th>Height</th>
<th>Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LFS-LAL</td>
<td>15 1/4”</td>
<td>5 7/8”</td>
<td>22”</td>
<td>30 lbs.</td>
</tr>
</tbody>
</table>

Technical Specifications

Input Voltage: 120-277V or 347-480V

Housing: Die cast aluminum housing and front frame with textured architectural bronze powder coat finish over a chromate conversion coating. Housing features an integrated heat sink and driver compartment built into the fixture design. Optional photocell accessory available. Fixture includes receptacle and shorting cap.

Lens: Tempered clear glass lens.

Mounting: Mounting arm designed for a square / round pole (standard). Additional pole mounting adaptor available.

Effective Projected Area (EPA): 1.00 ft²

Color Temperature: 5000K CW (standard). All LED’s are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

Color Rendering Index (CRI): Minimum of 70 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: A 20kA surge suppressor is included and complies with IEEE/ANSI C62.41.2 guidelines for “C High.” Surge location rated Category C3.

Lumecon ETD System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: ETL Listed to UL 1598, UL 8750 and CSA 22.2 No. 250 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598 and UL 8750, Lighting Facts and DLC. Not all versions of this product may be DLC qualified. For a complete list of Lumecon DLC Qualified Products visit: www.designlights.org.

Manufacturing Origin: US Manufactured and Assembled.

Buy American: Meets Buy American requirements within the ARRA.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com
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Ordering Information

LFS-LAL – Options / Ordering Example: LFS-LAL-280-DB-T5-C-1-CW-MAS-X-X

<table>
<thead>
<tr>
<th>WATTAGE</th>
<th>COLOR</th>
<th>DISTRIBUTION</th>
<th>LENS</th>
<th>VOLTAGE</th>
<th>COLOR TEMPERATURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>180 - 180 Watts</td>
<td>DB - Dark Bronze</td>
<td>T5 - Type V</td>
<td>C - Clear Glass</td>
<td>1 - 120v - 277v</td>
<td>CW - Cool</td>
</tr>
<tr>
<td>280 - 280 Watts</td>
<td>CC - Custom Color</td>
<td>T3 - Type III</td>
<td></td>
<td>2 - 347v - 480v*</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*347v-480v fixtures require external box</td>
<td></td>
</tr>
</tbody>
</table>

MOUNTING METHODS
- MAS - Mounting Arm (Square Pole)*
- MAR - Mounting Arm (Round Pole)*
- PM - Pole Mount Arm Adaptor*

PHOTOCELL
- X - None
- PC1 - 120v - 277v PC

OCCUPANCY SENSOR
- X - None
- OC1 - On/Off
- OC2 - Dim/High

*Designed to mount to a 4", 5" or 6" pole

If OCC Sensor Option is selected, mounting height specifications need to be clarified:
- Mounting height between 0’ - 10’
- Mounting height between 10’ - 40’
- Mounting height over 40’+

OCC Sensor Patterns

Coverage Patterns
- 0’ - 10’ Mounting Height
- 10’ - 40’ Mounting Height
- 40’+ Mounting Height

Options & Accessories

Mounted Arm (square or round pole)
Pole Mounting Arm Adaptor
*Swivel Bracket

*Slip Fitter
*Wall Mount Bracket
*Yoke Mount

*Swivel Bracket, Slip Fitter, Wall Mount Bracket and Yoke Mount options are available on the LFS-LFL fixture.
Photometric Illustration

*For .ies files of this product, please visit the downloads tabs on the LFS-LAL product page: http://lumecon.com/products/lfs-lal-large-area-light/

LFS-LAL-180-T5

116' 116'

30' MH

LFS-LAL-280-T5

127' 127'

30' MH