## FALB Series LED Area Light

### OVERVIEW
The FALB Series Area Light is a high performance LED fixture comes with compact design and reasonable cost to allow it to fit in a great variety of applications, and for a faster return on investment.

### APPLICATIONS
This light can be used for outdoor applications; as a pole mounted area light with various types of distribution including Type II, Type III, or Type V. This light can also be used as a flood light.

### FEATURES
- Limited Warranty: 5 Years
- Efficacy: up to 131 LPW
- Lumen Output: 10127-37360 LM
- Wattage: 80 - 300 W

### Technical Specifications

#### Warranty
Paclights warrants these LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. Please refer to our full warranty.

#### Qualifications
- **UL Listed:** E473037
- **IESNA LM79 & LM-80 Testing:** Paclights LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.
- **DLC Qualification:** Selected models of this product are on the Design Lights Consortium (DLC) Qualified Products List and are eligible for rebates from DLC Member Utilities. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/qpl

### Models

<table>
<thead>
<tr>
<th>Model</th>
<th>Watts(W)</th>
<th>Lumens (LM)</th>
<th>Efficacy (LPW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FALB080</td>
<td>80</td>
<td>10,127</td>
<td>131</td>
</tr>
<tr>
<td>FALB100</td>
<td>100</td>
<td>12,363</td>
<td>126</td>
</tr>
<tr>
<td>FALB120</td>
<td>120</td>
<td>15,403</td>
<td>126</td>
</tr>
<tr>
<td>FALB150</td>
<td>150</td>
<td>18,668</td>
<td>122</td>
</tr>
<tr>
<td>FALB185</td>
<td>185</td>
<td>23,508</td>
<td>128</td>
</tr>
<tr>
<td>FALB240</td>
<td>240</td>
<td>29,542</td>
<td>124</td>
</tr>
<tr>
<td>FALB300</td>
<td>300</td>
<td>37,360</td>
<td>118</td>
</tr>
</tbody>
</table>

*Lumen Output based on universal voltage models at 5000K*

### Electrical
Drivers:
- 120-277V, 50-60 Hz, Power Factor > 90%
- 0-10 V Dimmable (all except FALB080/ FALB100)
- (optional) HV of 480V

### LED Characteristics
- **Lifespan:** 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.
- **LEDs:** Multi-chip, high-output, long-life LEDs
- **Color Stability:** LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period.
- **Color Temp:**
  - 4000 K (Natural white), 5000 K (Daylight), 5700 K (Natural daylight)
- **Color Rendering Index:** >70
- **Color Uniformity:** Paclights range of CCT follows the guidelines of the American National Standards for the Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANCI c78.377.2011
- **Voltage:**
  - LV = 100-277V
  - HV = 480V

### Construction
- **IP Rating:** Ingress Protection rating of IP65 for dust and water
- **Ambient Temperature:** Suitable for up to 113° F (45° C) ambient temperature
- **Cold Weather Starting:** The minimum starting temperature is -4° F (-20° C)
- **Thermal Management:** Superior thermal management with external Air-Flow fins.
- **Housing:** Die-cast aluminum housing
- **Mounting Methods:** Various Mounting Options (see page 2)
- **Green Technology:** Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.
- **Gaskets:** Silicon Gaskets
- **Finish:** Our environmentally friendly polyester powder coating are formulated from high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

### Ordering Matrix

<table>
<thead>
<tr>
<th>Model</th>
<th>Wattage</th>
<th>Color Temperature</th>
<th>Voltage</th>
<th>Lighting Distribution</th>
<th>Mount</th>
<th>Optional Add-ons</th>
</tr>
</thead>
<tbody>
<tr>
<td>FALB</td>
<td>080</td>
<td>50</td>
<td>LV</td>
<td>T3</td>
<td>SF</td>
<td>SP</td>
</tr>
<tr>
<td></td>
<td>100</td>
<td>50</td>
<td>LV</td>
<td>T3</td>
<td>SF</td>
<td>SP</td>
</tr>
<tr>
<td></td>
<td>120</td>
<td>57</td>
<td>HV</td>
<td>T2</td>
<td>TM</td>
<td>PL</td>
</tr>
<tr>
<td></td>
<td>150</td>
<td>57</td>
<td>HV</td>
<td>T3</td>
<td>AM</td>
<td>PL</td>
</tr>
<tr>
<td></td>
<td>185</td>
<td>57</td>
<td>HV</td>
<td>T2</td>
<td>AM</td>
<td>PL</td>
</tr>
<tr>
<td></td>
<td>240</td>
<td>57</td>
<td>HV</td>
<td>T2</td>
<td>AM</td>
<td>PL</td>
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<tr>
<td></td>
<td>300</td>
<td>57</td>
<td>HV</td>
<td>T3</td>
<td>AM</td>
<td>PL</td>
</tr>
</tbody>
</table>

**Mounting Methods:**
- SF = Slipfitter Mount
- TM = Trunnion Mount
- AM = Arm (Round or Square Pole)
- FM = Flood Mount
- PL = AC-ALB-PL Photocell Assembly

Need help? Tech help line: (800) 988-6386  Email: cs@paclights.com  Website: www.paclights.com
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Note: specifications are subject to change at any time without notice
The AC-ALB-FM1 Flood Mount (for FALB080/100/120/150) is designed for FALB luminaires that run on a voltage of Vmax: AC up to 510 V, and has a maximum Discharge Current Imax of 10,000 A. Nominal Discharge current of 5,000 A.

**Lens Ordering Matrix**

<table>
<thead>
<tr>
<th>Lens Distribution</th>
<th>AC-ALB-LEN-</th>
<th>T2 = Type II (85° x 135°)</th>
<th>T3 = Type III (85° X 150°) [default]</th>
<th>T5 = Type V (120°)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lens Type</td>
<td>QTY: 2 for FALB080, FALB100, FALB120, FALB150</td>
<td>QTY: 3 for FALB185</td>
<td>QTY: 4 for FALB240, FALB300</td>
<td></td>
</tr>
</tbody>
</table>

*Flood Light Lens contains a Type V lighting distribution, typically used in applications with low mounting heights.*

**Mounting Options**

- AC-ALB-SF Slipfitter Mount (for FALB080/100/120/150)
- AC-ALB-AM Arm (Fits both, a round and square Pole)
- AC-ALB-TM Trunnion Mount (for FALB080/100/120/150)

**SP-277P10K / SP-480P10K - Surge Protector (Optional)**

The SP-277/480P10K is the Surge Protector used for the FALB luminaires that run on a voltage of Vmax AC: up to 510 V, and has a maximum Discharge Current Imax of 10,000 A. Nominal Discharge current of 5,000 A.

**AC-ALB-PL1/2 - Photocell Assembly (Optional)**

The AC-ALB-PL1/2 is a Standard Three-Prong Twist Lock Photocell which is installed on the top of the FALB Series Fixtures. Once the photocell is installed, the area light will automatically turn on and off, dusk to dawn.

- AC-ALB-PL1: FALB080, 100, 120, 150
- AC-ALB-PL2: FALB185, 240, 300