Albeo™ LED Luminaire
Heavy Industrial Low Bay Lighting
(ALR1 - Series)
The Albeo™ ALR1-series LED luminaire is an energy-efficient, low maintenance alternative to traditional fluorescent in a variety of commercial, low bay lighting applications. The ALR1 expands the linear product offering to include IP65 rated fixtures for demanding industrial environments.

### Applications
- Designed to meet recommended luminance and illuminance requirements for low bay and task level applications in commercial, industrial, warehouse, office, education, health, retail and data center settings.
- Certified for IP 65.
- Recommended for low bay lighting applications at 20 feet or lower.

### Housing
- Fiberglass housing with diffuser.

### LED & Optical Assembly
- Precision lens system provides optimized illumination for open floor plan.
- Utilizes high brightness LEDs, 70 CRI at 4000K & 5000K typical.
- LM-79, LM-80 tests and reports are performed in accordance to IESNA standards.
- Directional LEDs put light where it is needed without reflectors to greatly increase efficiency.

### Ratings
- DLC qualified. Please refer to: [http://www.designlights.org QPL](http://www.designlights.org QPL) for complete information.
- UL 1598 Suitable for Wet Locations.
- UL 8750 LED Equipment in Lighting Products.
- Temperature Rated at -30°C up to 45°C (-22°F up to 113°F).
- Projected L70 (10k) ≥ 100,000 Life Hours per IES TM-21.
- RoHS

### Mounting
- Surface Mount
- Chain

### Finish
- White

### Controls
- IP 66 rated motion sensors.

### Electrical
- 120-277 volt and 347/480 volt available.
- System power factor is >90%* and THD <20%.*
- Internal Surge Protection.
- EMI: Title 47 CFR 15 Class A.
  * System power factor and THD is tested and specified at 120V input and maximum load conditions.

### Warranty
- 5-year limited system warranty standard.
# Ordering Number Logic

## Heavy Industrial Low Bay Lighting (ALR1)

### ALR1

<table>
<thead>
<tr>
<th>PRODUCT ID</th>
<th>VOLTAGE</th>
<th>MODULE</th>
<th>DRIVE CURRENT</th>
<th>LED COLOR TEMP</th>
<th>OPTICS BEAM</th>
<th>FIXTURE LENGTH</th>
<th>FIXTURE TYPE</th>
<th>MOTION/DAYLIGHT SENSOR</th>
<th>CONTROL Wiring</th>
<th>MOUNTING</th>
<th>CORD</th>
<th>PLUG</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>120V-277V</td>
<td>1</td>
<td>Standard</td>
<td>120°</td>
<td>Standard</td>
<td>4 ft</td>
<td>6 ft</td>
<td>No</td>
<td>Standard, Chain &amp; Surface Mount ready</td>
<td>A</td>
<td>6 ft</td>
<td>18-3</td>
<td>White</td>
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<tr>
<td>L</td>
<td>120V</td>
<td>1</td>
<td>High Output</td>
<td>120°</td>
<td>Standard</td>
<td>4 ft</td>
<td>6 ft</td>
<td>No</td>
<td>2-conductor cord for dimming is factory installed</td>
<td>B</td>
<td>12 ft</td>
<td>18-3</td>
<td>White</td>
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<tr>
<td>R</td>
<td>208V</td>
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<td>120°</td>
<td>Standard</td>
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<td>6 ft</td>
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<td>Standard, Chain &amp; Surface Mount ready</td>
<td>C</td>
<td>6 ft</td>
<td>18-3</td>
<td>White</td>
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<tr>
<td>1</td>
<td>0</td>
<td>1</td>
<td>1 module</td>
<td>120°</td>
<td>Standard</td>
<td>4 ft</td>
<td>6 ft</td>
<td>No</td>
<td>2-conductor cord for dimming is factory installed</td>
<td>D</td>
<td>6 ft</td>
<td>18-3</td>
<td>White</td>
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</table>

### 70 CRI

<table>
<thead>
<tr>
<th>MODULE #</th>
<th>DRIVE CURRENT</th>
<th>FIXTURE LENGTH</th>
<th>TYPICAL INITIAL LUMENS</th>
<th>TYPICAL SYSTEM WATTS</th>
<th>LPW</th>
<th>MAXIMUM AMBIENT TEMPERATURE</th>
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<tbody>
<tr>
<td>1</td>
<td>T 4</td>
<td>4 ft</td>
<td>3150</td>
<td>23 27 30</td>
<td>4000K &amp; 5000K</td>
<td>120-277V 347V 480V 120-277V 347V 480V</td>
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<tr>
<td>1</td>
<td>H 4</td>
<td>4 ft</td>
<td>5150</td>
<td>38 41 45</td>
<td>4000K &amp; 5000K</td>
<td>120-277V 347V 480V 120-277V 347V 480V</td>
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<tr>
<td>1</td>
<td>V 4</td>
<td>4 ft</td>
<td>7150</td>
<td>55 58 59</td>
<td>4000K &amp; 5000K</td>
<td>120-277V 347V 480V 120-277V 347V 480V</td>
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<tr>
<td>1</td>
<td>T 8</td>
<td>8 ft</td>
<td>6300</td>
<td>41 45 48</td>
<td>4000K &amp; 5000K</td>
<td>120-277V 347V 480V 120-277V 347V 480V</td>
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<td>H 8</td>
<td>8 ft</td>
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<td>8 ft</td>
<td>14800</td>
<td>111 117 117</td>
<td>4000K &amp; 5000K</td>
<td>120-277V 347V 480V 120-277V 347V 480V</td>
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</table>

### Optics Beam

<table>
<thead>
<tr>
<th>OPTICS BEAM</th>
<th>% OUTPUT</th>
</tr>
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<tbody>
<tr>
<td>120° CLEAR</td>
<td>100%</td>
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</table>

### Control Wiring

- **K**: Knock-out access plug
- **A**: 6 ft. 18-3 cord
- **B**: 12 ft. 18-3 cord
- **N**: None
- **W**: White

### Dimming

- **No Dimming**
- **Dimming**

### MODULE CONFIGURATION

**MAX WEIGHT**

- 4 Ft. 120-277V: 8 lbs. max
- 4 Ft. 347/480V: 11 lbs. max
- 8 Ft. 120-277V: 16 lbs. max
- 8 Ft. 347/480V: 19 lbs. max
Photometrics
Optics for Common Applications

Polar Candela Distribution
120° (Clear) Full Beam Angle

Lens selection by application
The Albeo™ ALR1-series optical reflector system enables LEDs to provide precise illumination where needed. Reflectors are designed for commercial & industrial applications where mounting height, fixture spacing & light levels help determine reflector selection. The following table outlines optics options and suggested application.

<table>
<thead>
<tr>
<th>OPTIC BEAM</th>
<th>MOUNTING HEIGHT</th>
<th>SPACE TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>120° (Clear)</td>
<td>Below 20 Feet</td>
<td>Open Floor Plan</td>
</tr>
</tbody>
</table>

Spacing Criteria:
0° = 1.23
90° = 1.24
# Mounting & Accessories

<table>
<thead>
<tr>
<th>MOUNTING OPTIONS</th>
<th>IMAGE</th>
<th>ORDER LOGIC CODE</th>
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</thead>
<tbody>
<tr>
<td><strong>Standard Chain/Cable Mount</strong></td>
<td></td>
<td><strong>ST = Standard</strong></td>
</tr>
<tr>
<td>Available on all fixture configurations (chain not included).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chain and &quot;S&quot; hook</td>
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<td></td>
</tr>
</tbody>
</table>

| **Surface Mount (optional)**          |       | **ST = Standard**|
| Available with all fixture configurations. Standard mounting option is surface mount ready. |       |                  |

See “Installation Instructions” for mounting details.
Product Dimensions
Heavy Industrial Low Bay Lighting (ALR1)

4 Ft.

8 Ft.