Albeo™ LED Luminaire
LED Linear Industrial Lighting (ALV2 - Series)

Product Description:
The Albeo™ ALV2-series LED luminaire is an energy-efficient, low maintenance alternative to traditional fluorescent in a variety of commercial, low bay lighting applications. The ALV2-series offers customers the best mix of value and performance.

Performance Highlights:
- **Light Output Range:** 2,000 – 16,000 lumens
- **CRI:** 80 CRI Standard (90CRI Refer to factory for lead-time)
- **CCT:** 3000K, 3500K, 4000K, 5000K
- **Distributions:** 120° diffused lens
- **Input Voltage:** 120V-277V, 347V, & 480V
- **Efficiency:** Up to 160 LPW
- **Fixture Rated:** L70 @ 100,000 hours minimum @ 45°C
- **Limited Warranty:** 5 Years
- **Temperature Rating:** -30°C to +45°C (-22°F to 113° F)
- **Controls & Sensors:** 0-10V standard, Motion & daylight sensor options. Wireless ZigBee Daintree compliant options.

Product Dimensions:

### 4 Ft.

- **46.0**

### 8 Ft.

- **92.0**

Certifications:
## Ordering Number Logic

LED Linear Industrial Lighting (ALV2 - Series)

### ALV2 T W

<table>
<thead>
<tr>
<th>PRODUCT ID</th>
<th>VOLTAGE</th>
<th>FIXTURE LENGTH</th>
<th>LUMEN OUTPUT</th>
<th>DRIVING CURRENT</th>
<th>LED COLOR TEMP</th>
<th>OPTICS BEAM</th>
<th>FIXTURE TYPE</th>
<th>SENSOR/WIRELESS</th>
<th>CONTROL WIRING</th>
<th>EMERGENCY MOUNTING</th>
<th>CORD</th>
<th>PLUG</th>
<th>FINISH OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A = Aldeo</td>
<td>1=120-277V</td>
<td>4 ft</td>
<td>2,000</td>
<td>02</td>
<td>100</td>
<td>120</td>
<td>4000K</td>
<td>1D Diffused Lens</td>
<td>80 Plus CRI</td>
<td>38 = 3000K</td>
<td>0 = None</td>
<td>0 = None</td>
<td>0 = None</td>
</tr>
<tr>
<td>L = Linear</td>
<td>2=480V</td>
<td>8 ft</td>
<td>8000</td>
<td>04</td>
<td>4,000</td>
<td>120</td>
<td>4000K</td>
<td>1D Diffused Lens</td>
<td>90 Plus CRI</td>
<td>59 = 5000K</td>
<td>0 = None</td>
<td>0 = None</td>
<td>0 = None</td>
</tr>
<tr>
<td>V = Value</td>
<td>3=347V</td>
<td>8 ft</td>
<td>8000</td>
<td>05</td>
<td>5,000</td>
<td>120</td>
<td>4000K</td>
<td>1D Diffused Lens</td>
<td>90 Plus CRI</td>
<td>59 = 5000K</td>
<td>0 = None</td>
<td>0 = None</td>
<td>0 = None</td>
</tr>
</tbody>
</table>

- 347/480V available at Backup not available at 347/480V

### 80 CRI @ 5000K CCT

<table>
<thead>
<tr>
<th>FIXTURE LENGTH</th>
<th>OUTPUT LUMENS</th>
<th>TYPICAL DELIVERED LUMENS</th>
<th>TYPICAL POWER 120-277V</th>
<th>TYPICAL LPW 120-277V</th>
<th>MAX AMBIENT TEMP</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 ft</td>
<td>2,000</td>
<td>2,000</td>
<td>14</td>
<td>16</td>
<td>143</td>
</tr>
<tr>
<td>4 ft</td>
<td>3,000</td>
<td>3,000</td>
<td>20</td>
<td>22</td>
<td>150</td>
</tr>
<tr>
<td>4 ft</td>
<td>4,000</td>
<td>4,000</td>
<td>26</td>
<td>29</td>
<td>154</td>
</tr>
<tr>
<td>4 ft</td>
<td>5,000</td>
<td>4,900</td>
<td>33</td>
<td>36</td>
<td>148</td>
</tr>
<tr>
<td>4 ft</td>
<td>6,000</td>
<td>5,900</td>
<td>41</td>
<td>44</td>
<td>144</td>
</tr>
<tr>
<td>4 ft</td>
<td>8,000</td>
<td>7,700</td>
<td>59</td>
<td>67</td>
<td>131</td>
</tr>
<tr>
<td>8 ft</td>
<td>4,000</td>
<td>4,000</td>
<td>25</td>
<td>28</td>
<td>160</td>
</tr>
<tr>
<td>8 ft</td>
<td>6,000</td>
<td>6,000</td>
<td>38</td>
<td>41</td>
<td>158</td>
</tr>
<tr>
<td>8 ft</td>
<td>8,000</td>
<td>7,900</td>
<td>52</td>
<td>60</td>
<td>152</td>
</tr>
<tr>
<td>8 ft</td>
<td>10,000</td>
<td>9,800</td>
<td>67</td>
<td>75</td>
<td>146</td>
</tr>
<tr>
<td>8 ft</td>
<td>12,000</td>
<td>11,700</td>
<td>83</td>
<td>91</td>
<td>141</td>
</tr>
<tr>
<td>8 ft</td>
<td>16,000</td>
<td>15,600</td>
<td>119</td>
<td>129</td>
<td>131</td>
</tr>
</tbody>
</table>

### CRI | CCT | T OUTPUT |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>80</td>
<td>5000K</td>
<td>100%</td>
</tr>
<tr>
<td></td>
<td>4000K</td>
<td>98%</td>
</tr>
<tr>
<td></td>
<td>3500K</td>
<td>97%</td>
</tr>
<tr>
<td></td>
<td>3000K</td>
<td>93%</td>
</tr>
<tr>
<td>90</td>
<td>5000K</td>
<td>89%</td>
</tr>
<tr>
<td></td>
<td>4000K</td>
<td>85%</td>
</tr>
<tr>
<td></td>
<td>3500K</td>
<td>83%</td>
</tr>
<tr>
<td></td>
<td>3000K</td>
<td>81%</td>
</tr>
</tbody>
</table>

### Project Information

- Project name: _______________________
- Date: _______________________
- Type: _______________________

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*Note: Battery Backup not available at 347/480V*

*For Run Continuous 40°C = C alone (requires remote to modify default settings sold separately)*

*Zigbee Wireless Daintree™ Enabled (no sensor)*

*High-Low Dimming Daintree™ Enabled (requires remote to modify default settings)*

*LSXR: 3000K, 3500K, 4000K, 5000K*

*Sensor FSP221 w/Daylight & High-Low Dimming*

*High-Low LSXR: Daylight Sense or Occ Sense*

*ExternalControl Wiring 15 ft. = 6 ft. 18ga cord 12 ft. 18ga cord*

*Notes: For Run Continuous 40°C = C alone (requires remote to modify default settings sold separately)*

*Zigbee Wireless Daintree™ Enabled (no sensor)*

*High-Low Dimming Daintree™ Enabled (requires remote to modify default settings)*

*LSXR: 3000K, 3500K, 4000K, 5000K*
# Mounting & Accessories

<table>
<thead>
<tr>
<th>MOUNTING OPTIONS</th>
<th>IMAGE</th>
<th>ORDER LOGIC CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard Chain/Cable Mount</strong></td>
<td>![Image]</td>
<td>ST = Standard</td>
</tr>
<tr>
<td>Available on all fixture configurations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(chain not included). Cable w/ hook can be ordered as an accessory.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Surface Mount (optional)</strong></td>
<td>![Image]</td>
<td>ST = Standard</td>
</tr>
<tr>
<td>Available on all fixture configurations.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard mounting option is surface</td>
<td></td>
<td></td>
</tr>
<tr>
<td>mount ready.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Cable with toggle (optional)</strong></td>
<td>![Image]</td>
<td>51 = Cable/Toggle 5 ft. - Pair</td>
</tr>
<tr>
<td>Order separately. 5 ft., 10 ft., 15 ft.,</td>
<td></td>
<td>52 = Cable/Toggle 10 ft. - Pair</td>
</tr>
<tr>
<td>20 ft. lengths available.</td>
<td></td>
<td>53 = Cable/Toggle 15 ft. - Pair</td>
</tr>
<tr>
<td></td>
<td></td>
<td>54 = Cable/Toggle 20 ft. - Pair</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Max Load 200 lbs. Per Pair</td>
</tr>
</tbody>
</table>

See “Installation Instructions” for mounting details.
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### LED & Optical Assembly

**CRI:** 80 Standard (90 contact factory for lead-time)
**Rated Lumen Depreciation:** L70 @ 100,000 hrs
**TM-21 Calculation at 25°C:** L90 @ 100,000 hrs
*L85 @ 100,000 hrs for 4T10 and 8T20 configurations

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**Distribution/Lenses:**

Precision lens system provides optimized illumination for open floor plan

**Wire Guard Option:** White painted wire guard for added protection. Easy field installation.

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### Electrical

**Input Voltage:** 120-277V, 347V or 480V
**Input Frequency:** 50/60Hz
**Output Frequency/Flicker Rate:** NEMA 77
**System Power Factor (PF):** >0.9*
**Total Harmonic Distortion (THD):** <20%*
**LED Driver Type:** Class 2, 3kV surge protection

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### Ratings & Evaluations

**Operating Temperature:** -30°C to +45°C (-22°F to 113°F)
**Storage Temperature:** -40°C to +70°C
**Surge Protection:** 3kV driver surge protection
**Location:** UL 1598 Suitable for Damp Locations
**Safety:** UL/cUL Listed
**Environmental:** RoHS compliant

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### Construction & Finish

**Housing:** Steel body
**Lensing:** Polycarbonate diffused
**Paint:** White Prepaint
*No glass in housing or lenses*
**Weight:** 4 ft. - 11 lbs max; 8 ft. - 19 lbs max;

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### Controls

- **Standard Dimming:** 0-10VDC
- **Minimum Dimming:** Dim down to 10%
- **Wireless Networking & Sensing:**
  - ZigBee Wireless Daintree with Occ Sensor – Sensor 4
  - ZigBee Wireless Daintree with No Sensor – Sensor T
  - Wattstopper FSP Series Motion + daylight + IR config (IR remote sold separately) – Sensor 2
  - Wattstopper FSP remote = SKU# 93076263
  - Sensor Switch LSXR Series - Sensor A, B, P, or S
  - LSXR Aisle Sensor Optic = SKU# SWI0110
- **Stairwell Applications:** Sensor W = Bi-level dimming dims to 25% with low traffic and then to off for maximum energy savings. Compatible with EMBB.

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### Mounting

- **Typical Mounting:** Standard Chain/Cable or Surface mount ready.
- **Cord & Plugs:**
  - Standard = knockout access (no cord, no plug)
  - 6 ft. 18-3 - Cord A
  - 12 ft. 18-3 - Cord B
  - 15A, 20A, Straight or twist lock plug – Plug A,B,C, or D

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### Accessories, Options & Packaging

- **Emergency Battery:** Integral EM battery option provides 90-minutes of emergency lighting. Design lumen output: 2000lm at 5000K 80CRI.
- **Packaging:** Standard packaging is job pack / bulk pack consisting of 1 to 4 fixtures per package reducing unpack time at the jobsite.
  - Single Pack (for stocking) – Option 1PK
- **Packaging:** White painted wire guard for added protection. Easy field installation. SKU# 93095697
  - Two kits needed for 8ft fixtures
- **Continuous Run:** One started kit needed per run. SKU# 93095878. Each kit includes endcaps, starter whip, and male/female orientation adapter.

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### Design Life & Warranty

- **Reliability Testing:** Components and/or systems evaluation at extreme conditions and monitored during production.
- **System Warranty:** 5 Year