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.  

8 Ft.

Certifications:
- Daintree
- DLC Premium
- UL Listed
Ordering Number Logic
LED Linear Industrial Lighting
(ALV2 - Series)

**Product Number Logic**

- **Type**: LED Linear Industrial Lighting
- **VOLTAGE**: 120-277V
- **CURRENT**: 3000K
- **EMERGENCY MOUNTING**: Standard
- **CONTROL WIRING**: 0-10V
- **CONTOL**: Q
- **SENSOR**: A
- **PLUG**: A
- **DIMMING**: 4000K
- **BATTERY**: D
- **SLICE**: T
- **PLUG**: W
- **AMBIENT TEMP**: 45°C
- **LUMENS**: 2000
- **CRI**: 80
- **T**: 0
- **SENSOR**: None
- **CONTROL**: None
- **MOUNTING**: Standard
- **WIRING**: Straight
- **PLUG**: Straight
- **CORD**: 15A
- **PULL-CORD**: Blank
- **AMBIENT TEMP**: 40°C
- **LUMENS**: 2000
- **CRI**: 90
- **T**: 0
- **SENSOR**: None
- **CONTROL**: None
- **MOUNTING**: Standard
- **WIRING**: Straight
- **PLUG**: Straight
- **CORD**: 20A
- **PULL-CORD**: Blank

**Specifications**

- **PRODUCT ID**: A = Albeo, L = Linear, V = Value Series, 2 = LED Generation
- **LED TYPE**: 80 CRI @ 5000K CCT
- **FIXTURE LENGTH**: 4 ft, 8 ft
- **OUTPUT LUMENS**: 2000
- **TYPICAL DELIVERED LUMENS**: 2000
- **TYPICAL POWER**: 340-480
- **TYPICAL LPW**: 120-277, 120-277
- **MAX AMBIENT TEMP**: 45°C
- **T OUTPUT**: 5000K, 4000K, 3500K, 3000K, 2500K, 2000K, 1500K, 1000K
- **AMBIENT TEMP**: 40°C
- **LUMENS**: 2000
- **CRI**: 90
- **T**: 0
- **SENSOR**: None
- **CONTROL**: None
- **MOUNTING**: Standard
- **WIRING**: Straight
- **PLUG**: Straight
- **CORD**: 20A
- **PULL-CORD**: Blank

**Options**

- **FINISH OPTIONS**: Diffused Lens, Maximum Glare Reduction
- **OPTICS**: BEAM, FIXTURE TYPE
- **DRIVE CURRENT**: Q = None, E = Battery Backup
- **CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR CONTR 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## 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><img src="image1.png" alt="Image" /></td>
<td>ST = Standard</td>
</tr>
<tr>
<td>Available on all fixture configurations (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><img src="image2.png" alt="Image" /></td>
<td>ST = Standard</td>
</tr>
<tr>
<td>Available on all fixture configurations. Standard mounting option is surface mount ready.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Cable with toggle (optional)</strong></td>
<td><img src="image3.png" alt="Image" /></td>
<td>51 = Cable/Toggle 5 ft. - Pair 52 = Cable/Toggle 10 ft. - Pair 53 = Cable/Toggle 15 ft. - Pair 54 = Cable/Toggle 20 ft. - Pair Max Load 200 lbs. Per Pair</td>
</tr>
<tr>
<td>Order separately. 5 ft., 10 ft., 15 ft., 20 ft. lengths available.</td>
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</tbody>
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See “Installation Instructions” for mounting details.
**Albeo™ LED Luminaire**

**LED Linear Industrial Lighting**

(ALV2 - Series)

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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
- **Distribution/Lenses:**
  - Precision lens system provides optimized illumination for open floor plan
  - 120° w/diffused lens standard
- **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
- **EMI:** FCC CFR Title 47 Part 15, Class A
  - * PF and THD may vary with options

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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
  - DLC Premium qualified models available
  - Please refer to [http://www.designlights.org/QPL](http://www.designlights.org/QPL) for complete information

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**Construction & Finish**

- **Housing:** Steel body
- **Lensing:** Polycarbonate diffused
- **Paint:** White Prepaint
  - No glass in housing or lenses
- **Weight:** 4 ft. - 11lbs max; 8 ft. - 19lbs 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
  - **Wire guards:** White painted wire guard for added protection. Easy field installation. SKU# 93095697
  - Two kits needed for 8ft fixtures
  - **Continuous Run:** One starter 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