Albeo™ LED Luminaire
LED Linear Industrial Lighting
ALR2 - Series

Product Description:
The Albeo™ ALR2 series LED luminaire is an efficient alternative to traditional fluorescent in a variety of commercial and industrial lighting applications. The ALR2 expands the linear product offering to include IP65, IP66 and IP67 rated fixtures for demanding industrial environments. The new ALR2 features 316 L grade stainless steel latches. ALR2 LED fixture can be matched with motion, daylight and wireless controls for increased energy savings. Designed to meet recommended luminance and illuminance requirements for low bay and task level lighting as well as parking garage, stairwell & general lighting applications.

Performance Highlights:
- **Light Output Range:** 2,000 – 20,000 lumens
- **CRI:** 80 and 90 CRI options
- **CCT:** 3000K, 3500K, 4000K, 5000K
- **Distributions:** 120° diffused lens & 160° clear lens
- **Input Voltage:** 120V-277V, 347V & 480V
- **Efficiency:** Up to 160LPW
- **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. ZigBee Wireless Daintree compliant options.
- **Ratings:** IP65, IP66, IP67, NEMA 4X - UL 1598 Suitable for Wet Locations NSF Splash Zone & Non-Food Zone rated optional

Product Dimensions:

Certifications:
## Ordering Number Logic

### LED Linear Industrial Lighting
**ALR2 - Series**

### Ordering Details
- **Product:** ALR2 LED Linear Industrial Lighting
- **Ordering Number Logic:**
  - ALR2 = ALR IP67 Linear Series 2nd Gen
  - **Specify single voltage if plug, sensor, or wireless needed.**
  - **FIXTURE LENGTH & BODY:**
    - ALR2 = ALR IP67 Linear Series 2nd Gen
    - **0 = 120/277**
    - **1 = 120°**
    - **4 = 277°**
    - **D = 347°**
  - **OPTIONS:**
    - **08 = 8 ft. Standard Body**
    - **04 = 4 ft. Standard Body**
    - **02 = 2 ft. Standard Body**
    - **04 = 4 ft. Narrow Body**
    - **06 = 6 ft. Standard Body**
    - **08 = 8 ft. Narrow Body**
    - **12 = 12 ft. Standard Body**
    - **16 = 16 ft. Standard Body**
    - **20 = 20 ft. Standard Body**

### Performance Table

#### Performance Levels
- **FIXTURE LENGTH & BODY:**
  - **2 ft:**
    - **TYPICAL DELIVERED LUMINOS:**
      - **120-277:** 14
      - **347/480V:** 30
  - **4 ft:**
    - **TYPICAL DELIVERED LUMINOS:**
      - **120-277:** 16
      - **347/480V:** 30
    - **MAX AMBIENT TEMP:** 45°C
  - **8 ft:**
    - **TYPICAL DELIVERED LUMINOS:**
      - **120-277:** 16
      - **347/480V:** 30
    - **MAX AMBIENT TEMP:** 40°C

### Control Wiring
- **EMERGENCY MOUNTING:**
  - **Cord:**
    - **ST:** Standard
    - **45:** 45 Degree Wall Mount
    - **18:** 18 ga cord
  - **Plug:**
    - **W:** White
    - **K:** Knockout
  - **Finish:**
    - **S:** Standalone
    - **Q:** None
    - **W:** Optional wire

### Optics
- **OPTIC CODE:**
  - **1D:** 120° Diffused Lens 100%
  - **WC:** Wide Clear 160° Parking Garage Optic 84%

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### Notes
- **Backup:**
  - **Battery:** Not available
  - **Backup Wiring:** Not available
- **Sensors:**
  - **Enabled:** ZigBee Wireless Daintree
  - **Disabled:** None
- **Backup Wiring:**
  - **Enabled:** ZigBee Wireless Daintree

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**Project:**

**Date:**

**Type:**
## Mounting & Accessories

<table>
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<tr>
<th>MOUNTING OPTIONS</th>
<th>IMAGE</th>
<th>ORDER LOGIC CODE</th>
<th>AFTER MARKET ORDER LOGIC</th>
</tr>
</thead>
</table>
| **Standard Chain/Cable Mount**        | ![Chain and "S" hook](image1.png) | ST = Standard             | **STANDARD SKU:** 93118276 NARROW  
**SKU:** 93118277  
**Description:** Standard Cable, Chain & Surface Mounting Kit  
(Includes brackets only) |
| Available on all fixture configurations (chain not included). | | | |
| **Surface Mount (optional)**          | ![Surface Mount](image2.png) | ST = Standard             | **STANDARD SKU:** 93118092 NARROW  
**SKU:** 93118146  
**Description:** SRod Mounting Kit  
(Includes brackets only) |
| Available with all fixture configurations. Standard mounting option is surface mount ready. | | | |
| **Rod Mount Kit (optional)**          | ![Rod Mount Kit](image3.png) | 21 = 3/8” Threaded Rod Bracket | **STANDARD SKU:** 93118093  
**Description:** 3/8” inch threaded rod  
Not included |
| Available with all fixture configurations. Attaches to 3/8” threaded rod. Pendant mount included. (rod and nuts not included) | | | |
| **45° Degree Wall Mount (optional)**  | ![45° Degree Wall Mount](image4.png) | 45 = 45° Degree Wall Mount | **STANDARD SKU:** 93118094  
**Description:** 45 Degree Mounting Kit  
(Includes brackets only) |
| Available on 2T, 4T & 8T configurations. (hardware not included) | | | |
| **Cable Mount Kit (optional)**        | ![Cable Mount Kit](image5.png) | 51 = Cable/Toggle 5 ft.  
52 = Cable/Toggle 10 ft.  
53 = Cable/Toggle 15 ft. | **STANDARD SKUS:**  
51 Cable/Toggle93118093  
52 Cable/Toggle93118094  
53 Cable/Toggle93118095  
**NARROW SKUS:**  
51 Cable/Toggle93118147  
52 Cable/Toggle93118148  
53 Cable/Toggle93118149  
**Description:** Cable Mounting Kit  
(Includes brackets, cables and attachment piece) |
| Available with all fixture configurations. Cables and attachments included with kit. | | | |

See "Installation Instructions" for mounting details.
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LED & Optical Assembly
CRI: 80 and 90 CRI options
Fixture Rated Life: L70 @ 100,000 hrs
Distribution/Lenses:
Precision lens system provides optimized illumination for open floor plan.
120° w/diffused lens standard
160° w/clear lens suitable for parking garages optional

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

Ratings & Evaluations
Operating Temperature: -30°C to +45°C (-22°F to 122° F).
Storage Temperature: -40°C to +70°C
Surge Protection: 3kV driver surge protection
Location: Suitable for Wet Locations
Safety: UL/cUL Listed
Ratings: IP65, IP66, IP67, NEMA 4X - UL 1598
Suitable for Wet Locations.
NSF Splash Zone & Non-Food rated fixture optional
IK Rating: IK06
Environmental: RoHS compliant

Construction & Finish
Housing: Fiberglass & steel
Lensing: Acrylic diffused
No glass in housing or lenses
Weight: 2 ft. - 8lbs max; 4 ft. - 11lbs max; 8 ft. - 19lbs max;

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
Sensor Switch SBOR Series - Sensor A, B, P or S
Wattstopper FSP remote = SKU# 93076263

Stairwell Applications:
Sensor W = Bi-level dimming
dims to 25% with low traffic and then to off for maximum energy savings. Compatible with EMBB.

Mounting
Typical Mounting: Standard Chain/Cable or Surface mount ready.
Optional Mounting:
Rod Mounting: 3/8” inch threaded rod mounting bracket available.
45° Degree Wall Mount: Available in 2T, 4T & 8T configurations.
Cable Mount Kit: Cables and attachment included in kit. Cord & Plugs:
Standard = knockout access (no cord, no plug)
6ft. 18-3 - Cord A
12ft. 18-3 - Cord B

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 (i.e. for stocking) – Option 1PK

Design Life & Warranty
• Reliability Testing: Components and/or systems evaluated at extreme conditions and monitored during production.
• System Warranty: 5 Year