The Albeo™ ABV3 LED luminaire is an exceptional mixture of value and performance. Ideal for high bay and low bay applications in industrial and commercial buildings. Designed to replace 150W-1500W HID and four-to-eight-lamp T5/T8 HIF fixtures with unmatched reliability and quality.

**Performance Highlights:**
- **Light Output Range:** 6,500 – 90,000 lumens
- **CRI:** 70 & 80 CRI (90CRI Refer to factory for lead-time)
- **CCT:** 3000K, 3500K, 4000K, 5000K
- **Distributions:** 120°, 90°, 55°, 30° diffused & clear lens options
- **Input Voltage:** 120V-277V, 347V, & 480V
- **Efficiency:** Up to 200 LPW
- **Fixure Rated:** L70 @ 100,000 hours min. @ 55°C
- **Limited Warranty:** 5 Years
- **Temperature Rating:** -30°C to +55°C (-22°F to 131° F)
- **Controls & Sensors:** 0-10V standard, Motion & daylight sensor options. Wireless ZigBee Daintree compliant options.
## Mounting & Accessories

<table>
<thead>
<tr>
<th>MOUNTING OPTIONS</th>
<th>IMAGE</th>
<th>ORDER LOGIC CODE</th>
<th>AFTER MARKET ORDER LOGIC</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>
<td>Aftermarket: NA</td>
</tr>
<tr>
<td>Available on all fixture configurations (chain not included). Y-Cable w/hook can be ordered as an accessory.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Rod Mount (optional)</strong></td>
<td><img src="image2.png" alt="Image" /></td>
<td>22 = 1/2&quot; Threaded Rod Kit</td>
<td>SKU: 93120346 Description: 1/2&quot; Surface Mounting Kit</td>
</tr>
<tr>
<td>Available on all fixture configurations. Attaches to 1/2&quot; threaded rod (rod and nuts not included).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Surface Mount (optional)</strong></td>
<td><img src="image3.png" alt="Image" /></td>
<td>SM = Surface Mount</td>
<td></td>
</tr>
<tr>
<td>Available on all fixture configurations. Attaches to structural member in ceiling. (Hardware not included.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Pendant Mount (optional)</strong></td>
<td><img src="image4.png" alt="Image" /></td>
<td>23 = 3/4&quot; Pendant Mount Kit</td>
<td>SKU: 93120347 Description: 3/4&quot; Pendant Mounting Kit</td>
</tr>
<tr>
<td>Available on all fixture configurations. Attaches to 3/4&quot; threaded conduit (conduit not included).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Y-Cable w/hook (optional)</strong></td>
<td><img src="image5.png" alt="Image" /></td>
<td>41 Y-Cable/Hook (5') 93075756 42 Y-Cable/Hook (10') 93075552 43 Y-Cable/Hook (15') 93075553 44 Y-Cable/Hook (20') 93075554 “NA” Y-Cable/Hook (25') 93075555 Max Load: 200 lbs. per pair</td>
<td></td>
</tr>
<tr>
<td><strong>Standard Inverted Mount</strong></td>
<td><img src="image6.png" alt="Image" /></td>
<td>UP = Standard Inverted Mount</td>
<td>Aftermarket: NA</td>
</tr>
<tr>
<td>Available on all fixture configurations. Attaches to 3/4&quot; threaded conduit (conduit not included)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Chain/cable mount is standard and included in price. Price adder for Y-Cable, Rod Mount, and Pendant Mount. Consult Sales for latest information. See "Installation Instructions" for mounting details.
### Mounting & Accessories

<table>
<thead>
<tr>
<th>Mounting Options</th>
<th>Image</th>
<th>Order Logic Code</th>
<th>After Market Order Logic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inverted Y-Cable Mount</td>
<td><img src="image1.png" alt="Image" /></td>
<td>61 = Inverted Mount Y-Cable/Hook 5ft 62 = Inverted Mount Y-Cable/Hook 10ft 63 = Inverted Mount Y-Cable/Hook 15ft 64 = Inverted Mount Y-Cable/Hook 20ft</td>
<td>Aftermarket: NA</td>
</tr>
</tbody>
</table>

### Accessories & Renewal Parts

#### Replacement Lenses & Optics

<table>
<thead>
<tr>
<th>Ordering SKU</th>
<th>Ordering Cat# Logic</th>
<th>Fixture Cat# Logic</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>93075866</td>
<td>ABV3 D Kit</td>
<td>1D or 9D</td>
<td>Diffused Lens Only (2 lenses)</td>
</tr>
<tr>
<td>93075867</td>
<td>ABV3 C Kit</td>
<td>1C or 9C</td>
<td>Clear Lens Only (2 lenses)</td>
</tr>
<tr>
<td>93075988</td>
<td>ABV3 9 Kit</td>
<td>9C or 9D</td>
<td>90 degree Optic (2 reflectors)</td>
</tr>
<tr>
<td>93075989</td>
<td>ABV3 1 Kit</td>
<td>1C or 1D</td>
<td>120 degree Optic (2 reflectors)</td>
</tr>
<tr>
<td>93117671</td>
<td>ABV3 5T Kit</td>
<td>5T</td>
<td>Textured Diffused 55 degree Lens (2 lenses)</td>
</tr>
<tr>
<td>93075991</td>
<td>ABV3 5C Kit</td>
<td>5C</td>
<td>Clear 55 degree Lens (2 lenses)</td>
</tr>
<tr>
<td>93117672</td>
<td>ABV3 3T Kit</td>
<td>3T</td>
<td>Textured Diffused 30 degree Lens (2 lenses)</td>
</tr>
<tr>
<td>93075993</td>
<td>ABV3 3C Kit</td>
<td>3C</td>
<td>Clear 30 degree Lens (2 lenses)</td>
</tr>
</tbody>
</table>

#### Sensors & Sensor Accessories

<table>
<thead>
<tr>
<th>Ordering SKU</th>
<th>Ordering Cat# Logic</th>
<th>Fixture Cat# Logic</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>93076263</td>
<td>Wattstopper</td>
<td>2Q Sensor Code</td>
<td>Programmer for Sensor Code 2Q Wattstopper FSP211</td>
</tr>
</tbody>
</table>

#### Wire Guards

<table>
<thead>
<tr>
<th>Ordering SKU</th>
<th>Ordering Cat# Logic</th>
<th>Lumen Packages</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>93077600</td>
<td>WG ABV3 1S WT</td>
<td>9T, 9H, 12A, 12T, 12H, 15T, 18A, 18T, 24A</td>
<td>1S Wire Guard White Painted</td>
</tr>
<tr>
<td>93077666</td>
<td>WG ABV3 1D WT</td>
<td>18H, 24T, 24H</td>
<td>1D Wire Guard White Painted</td>
</tr>
<tr>
<td>93077602</td>
<td>WG ABV3 2S WT</td>
<td>30T, 36T, 36H, 48A</td>
<td>2S Wire Guard White Painted</td>
</tr>
<tr>
<td>93077604</td>
<td>WG ABV3 3S WT</td>
<td>48T, 48H</td>
<td>3S Wire Guard White Painted</td>
</tr>
<tr>
<td>93077668</td>
<td>WG ABV3 2D WT</td>
<td>60T, 60H</td>
<td>2D Wire Guard White Painted</td>
</tr>
</tbody>
</table>

*Wire Guards must be ordered in packs of 5 each*
Albeo™ LED Luminaire
LED High Bay Lighting
(ABV3 - Series)

LED & Optical Assembly
CRI: 70 & 80 Standard (90 contact factory for lead-time)  
Fixture Rated Life: L70 @ 100,000 hrs @ 55°C  
Fixtures are certified to depreciate no more than 30% at the maximum ambient temperature conditions.  
TM-21 Calculation at 25°C: L70 @ 250,000 hrs minimum  
L90 @ 65,000 hrs minimum  
Distribution/Lenses:  
90, 120 degrees no lens standard (most efficient)  
30, 55, 90, 120 degrees w/clear lens optional  
30, 55, 90, 120 degrees w/diffused lens optional  

Wire Guard Option – for added fixture protection. Ships separately for ease of fixture install. Easily field installable.

Electrical
Input Voltage: 120-277V, 347V or 480V  
Input Frequency: 50/60Hz  
System Power Factor (PF): >0.9*  
Total Harmonic Distortion (THD): <20%*  
LED Driver Type: Class 1, 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 +55°C (-22°F to 131°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
Utility: DLC Premium on all 70CRI options & select 80CRI options. DLC Premium on all H Output options.  
Meets DLC Standard on all CRI versions  
Please refer to: http://www.designlights.org/QPL for complete information.

Construction & Finish
Housing: Combination steel and aluminum  
Lensing: Polycarbonate diffused, acrylic clear  
Reflector: White highly reflective polycarbonate  
Paint: Powercoat Painted Housing  
No glass in housing or lenses  
Weight: 10-11 lbs. per module (see dimensional drawings)

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  
Enlighted Sensor – Sensor 5  
Wattstopper FSP Series Motion + daylight + IR config (IR remote sold separately) – Sensor 2  
Wattstopper FSP remote = SKU# 93076263  
Sensor Switch LSX LSXR Series - Sensor A, B, P, or S

Mounting
Typical Mounting:  
Standard Chain / Cable mount ready.  
Threaded rod kit & Surface mount optional.  
Pendant mount kit optional.
Inverted Mounting:  
Standard chain / Cable mount ready.  

Cord & Plugs:
Standard = knockout access (no cord, no plug)  
6ft, 12ft, 15ft, 20ft Cord options  
15A, 20A, Straight or twist lock plug – Plug A, B, C, or D  
Wattstopper FSP – Plug-NGo Plug - Cord-plug MF or HF

Accessories, Options & Packaging
Optional Emergency Battery: Provides 90-minutes of Emergency lighting. Design lumen output: 1650-1750lm. Fully independent LED system that does not degrade performance or ratings of the fixture. 120-277V Only Ships separately from fixture to avoid shipping damage.

Standalone EMBB: Order as field installed aftermarket or standalone solution for emergency Lighting. 2lbs SKU# 93059499 - ASM2430 50° beam 1750lm  
SKU# 93059500 - ASM2429 120° beam 1650lm

Packaging: standard pack is job pack / bulk pack consisting of 7-21 fixtures in a half Gaylord box. Fixtures are sleeve wrapped within the bulk box for quick unload at jobsite. Orders of <14 fixtures are typically single pack. Single Pack (i.e. for stocking) – Option 1PK. 90T & 90H are bulk pack only.

Design Life & Warranty
Reliability Testing: Fixture components designed to exceed 100,000 hrs of operation at the worst possible rated conditions. Complete system evaluated at extreme conditions and monitored during production.
System Warranty: 5 Year