Albeo™ LED Luminaire
LED High Bay Lighting
(ABV3 - Series)

Product Description:
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 – 60,000 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
- **Fixture Rated:** L70 @ 100,000 hours minimum
- **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.

Product Dimensions:

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>9T, 9H, 12T, 12H, &amp; 18T Output 1S-Module</td>
<td>Side View</td>
<td>Max. Weight: 10 lbs.</td>
</tr>
<tr>
<td>48T &amp; 48H Output 3S-Module</td>
<td>Side View</td>
<td>Max. Weight: 30 lbs.</td>
</tr>
<tr>
<td>60T &amp; 60H Output 2D-Module</td>
<td>Side View</td>
<td>Max. Weight: 22 lbs.</td>
</tr>
</tbody>
</table>

Certifications:

[UL Listed]
[ETL Listed]
## Ordering Number Logic

**Industrial High Bay & Low Bay Lighting**  
**(ABV3-Series)**

### PLUG FINISH OPTIONS

- **A** = Standard  
- **B** = High Performance  
- **W** = White Powder Coat  

### Sensor/Wireless Options

- **Q** = None  
- **A** = Occ Sense On/Off  
- **B** = Occ Sense High-Low Dimming  
- **P** = Daylight Sensor  
- **F** = Wireless ZigBee  
- **G** = Direct Wire  
- **S** = Surface Mount Hardware  
- **D** = Occupancy On/Off  
- **3** = Wireless Dimming  
- **C** = Low Dimming  
- **1** = None  
- **0** = Blank  

### Mounting Options

- **ST** = Standard  
- **K** = Knockout  
- **A** = 6 ft.  
- **B** = 3 ft.  
- **D** = 10 ft.  
- **C** = 15 ft.  
- **E** = 3/4" Pendant  
- **F** = 20 ft.  
- **G** = 1/2" Threaded  
- **H** = 20A twist lock plug  

### Typical Performance

<table>
<thead>
<tr>
<th>Lumen Package</th>
<th>Output Level</th>
<th>70 CRI @ 4000K OR 5000K CCT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Typical Delivered Luminos</td>
<td>Typical Power</td>
</tr>
<tr>
<td></td>
<td>120-277V</td>
<td>347/480V</td>
</tr>
<tr>
<td>09</td>
<td>9,000</td>
<td>50</td>
</tr>
<tr>
<td>09</td>
<td>9,000</td>
<td>46</td>
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<td>48</td>
<td>47,400</td>
<td>284</td>
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<tr>
<td>48</td>
<td>47,400</td>
<td>248</td>
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<tr>
<td>60</td>
<td>58,500</td>
<td>360</td>
</tr>
<tr>
<td>60</td>
<td>58,500</td>
<td>314</td>
</tr>
</tbody>
</table>

*All packages are 55°C rated with the exception of 60T which is 45°C ambient max rated.*
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LED & Optical Assembly
CRI: 70 & 80 Standard (90 contact factory for lead-time)
Rated Lumen Depreciation: L70 @ 100,000 hrs
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 – WG1 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.

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# SWI0100
Sensor Switch LSX LSXR Series - Sensor A, B, P, or S

Mounting
Typical Mounting: Standard Chain/Cable mount ready
Threaded rod kit, ¾” pendant mount kit, and surface mount* optional.
*Max. temperature rating reduced by 5°C
Cord & Plugs:
Standard = knockout access (no cord, no plug)
6ft, 12ft, 15ft, 20ft, 30ft Cord options
15A, 20A, Straight or twist lock plug – Plug A,B,C, or D
Reloc OCS Cord and Plug – Cord-Plug FS or GS
PlugNGo Plug - Cord-plug MF or HF

Accessories, Options & Packaging
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# 93059499 - ASM2429 120° beam 1650lm
Packaging: Standard packaging is job pack / bulk pack consisting of 1 to 3 fixtures per package reducing unpack time at the jobsite.
Single Pack (for stocking) – Option 1PK

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