Albeo® LED Luminaire
Hazardous Location High Bay & Low Bay Lighting
(AHH2 - Series)

Product Description:
The Albeo® AHH2 LED luminaire is a Class I, Division 2, Groups A,B,C, and D rated fixture for hazardous locations with high ambient temperatures and wet applications. Utilizing a sealed, IP66-rated form factor, the Albeo AHH2 series offers customers a rugged design with exceptional performance and high reliability.

Performance Highlights:
- Light Output Range: 9,000 - 60,000 lumens
- CRI: 70 & 80 CRI
- Distributions: 120°, 90°, 55°, 30° Glass, Clear PC, and Diffused lens
- Input Voltage: 120-277 V, 347 V, & 480 V
- Efficiency: Up to 165 LPW
- Fixture Rated: L70 @ 100,000 hours
- Limited Warranty: 5 Years
- Temperature Rating: -30°C up to 60°C
* Inquire with Factory on greater than 60°C options

Certifications:
- EMI: Title 47 CFR 15 Class A.
- Internal Surge Protection
- Class I, Division 2, Groups A, B, C, D

Product Dimensions:

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Max Weight</th>
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<tbody>
<tr>
<td>Single Fixture 120-277V</td>
<td>21 lbs. max</td>
</tr>
<tr>
<td>Single Fixture 347/480V</td>
<td>23 lbs. max</td>
</tr>
<tr>
<td>Double Fixture 120-277V</td>
<td>45 lbs. max</td>
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<tr>
<td>Double Fixture 347/480V</td>
<td>49 lbs. max</td>
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</tbody>
</table>
Ordering Number Logic
Industrial High Bay Lighting
(AHH2-Series)

<table>
<thead>
<tr>
<th>PRODUCT ID</th>
<th>VOLTAGE</th>
<th>LUMEN OUTPUT</th>
<th>PERFORMANCE LEVEL</th>
<th>LED COLOR TEMP</th>
<th>OPTICS/LENS</th>
<th>CONTROLS</th>
<th>MOUNTING</th>
<th>CORD</th>
<th>PLUG</th>
<th>FINISH</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHH2 = Albeo High Bay Hazardous Series 2nd Gen</td>
<td>0 = 120-277</td>
<td>09 = 9,000</td>
<td>T = Standard</td>
<td>70 CRI</td>
<td>47 = 4000K</td>
<td>QV = 0-10V Control Wires</td>
<td>23 = 3/4&quot; Pendant Mount Kit</td>
<td>K = Knockout</td>
<td>Q = None</td>
<td>W = White Powder Coat</td>
<td>1PK = Single Pack for distributor stocking. Default is job pack.</td>
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<td></td>
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<td>12 = 12,000</td>
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<table>
<thead>
<tr>
<th>LUMEN PACKAGE</th>
<th>OUTPUT LEVEL</th>
<th>70 CRI @ 4000K OR 5000K CCT</th>
<th>MAX AMBIENT TEMPERATURE (°C)</th>
<th>MODULE BODY</th>
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</thead>
<tbody>
<tr>
<td>09 T</td>
<td>9,100</td>
<td>55</td>
<td>58</td>
<td>165</td>
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<tr>
<td>12 T</td>
<td>12,100</td>
<td>75</td>
<td>79</td>
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<td>15 T</td>
<td>15,100</td>
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<td>18 T</td>
<td>18,000</td>
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<td>36 T</td>
<td>36,100</td>
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<td>245</td>
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<td>48 T</td>
<td>48,400</td>
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<td>61,400</td>
<td>410</td>
<td>418</td>
<td>150</td>
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</table>

<table>
<thead>
<tr>
<th>OPTIC CODE</th>
<th>OPTIC DESCRIPTION</th>
<th>OUTPUT</th>
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<tbody>
<tr>
<td>1G</td>
<td>120° Glass Lens</td>
<td>100%</td>
</tr>
<tr>
<td>9G</td>
<td>90° Glass Lens</td>
<td>97%</td>
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<tr>
<td>5G</td>
<td>55° Glass Lens</td>
<td>94%</td>
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<tr>
<td>3G</td>
<td>30° Glass Lens</td>
<td>94%</td>
</tr>
<tr>
<td>1C</td>
<td>120° Clear Lens</td>
<td>97%</td>
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<tr>
<td>9C</td>
<td>90° Clear Lens</td>
<td>94%</td>
</tr>
<tr>
<td>5C</td>
<td>55° Clear Lens</td>
<td>91%</td>
</tr>
<tr>
<td>3C</td>
<td>30° Clear Lens</td>
<td>92%</td>
</tr>
<tr>
<td>1D</td>
<td>120° Diffused Lens</td>
<td>94%</td>
</tr>
</tbody>
</table>

Mounting & Accessories

Pendant Mount
Attaches to 3/4" NPT threaded conduit (conduit not included).
Photometric Data: Albeo® LED Luminaire AHH2 Series - High Bay

1G/1C = 120° Clear Lens

1D = 120° Diffused Lens

9G/9C = 90° Clear Lens

5G/5C = 55° Clear Lens

3G/3C = 30° Clear Lens

VA:

Spacing Criteria
0° = 1.24
90° = 1.23

90° =  1.23
0° = 1.24

75%

100%
Albeo® LED Luminaire
Heavy Industrial High Bay & Low Bay Lighting (AHH2 - Series)

LED & Optical Assembly

CRI: 70 & 80 CRI
Fixture Rated Life: L70 @ 100,000 hrs.
Distribution /Lenses:
120°, 90°, 55°, 30° with glass lens
120°, 90°, 55°, 30° with clear polycarbonate lens
120° with diffused polycarbonate lens

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: Class1, 3kV/6kV surge protection
* PF and THD may vary with options

 Ratings & Evaluations

Operating Temperature: –30°C to +60°C (-22°F to 140°F)
Location: UL 1598 Suitable for Wet Locations
EMI: Title 47 CFR 15 Class A.
Internal Surge Protection:
- For 120-277VAC per IEEE/ANSI C62.41.-1991, 3kV/3kA Location Category B3
- For 347/480VAC per IEEE/ANSI C62.41.-1991, 6kV/3kA Location Category B3
- Optional for 120-480 V per IEEE/ANSI C62.41.-1991, 10kV/5kA Location Category B3
Safety: UL/cUL Listed Ø/®
- UL 1598 Suitable for Wet Locations
- UL 8750 LED Equipment in Lighting Products
- UL 1598A Inside Drip Proof-Type
  ( Corrosive "R" Finish)
- 3,000hrs of ASTM B117 Salt Spray
  ( Corrosive "R" Finish)
Environmental: RoHS compliant
Hazardous Rating: UL 844 Class I, Division 2,
  Groups A, B, C, D,
  NEMA 4X Enclosure Type

Controls

Minimum Dimming: Dim down to 10%

Mounting

Pendant mount

Cord & Plugs

Cord and Plug options not available on AHH2

Packaging

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 unloading at jobsite. Orders of <14 fixtures are typically single pack.

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 years

Construction & Finish

Lens: Polycarbonate or Glass
Standard Finish: Polyester powder coat
Corrosion Resistant Finish: Polyester powder coat with passivation layer
Standard Color: White
Weight: 21-49 lbs

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