Albeo™ LED Luminaire
Hazardous Location High Bay & Low Bay Lighting (AHH1 - Series)

Product Description:
The Albeo™ AHH1-Series 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™ AHH1-Series offers customers a rugged design with exceptional performance and high reliability.

Applications:
- Designed to meet recommended luminance and illuminance requirements for high bay applications in hazardous atmospheres that contain gases and vapors (acetylene, hydrogen manufactured gases containing more than 30% hydrogen by volume, ethylene, cyclopropane, hexane, butane, propane, acetone, benzene, & gasoline) that are not normally hazardous.
- T4A rating at 50-65°C, T5 rating at 40-50°C.

Housing:
- Die cast aluminum housing.
- Design accommodates a single or double fixture with 1 or 2 LED modules per fixture.

LED & Optical Assembly:
- AHH1-series lens system enable LEDs to provide optimized illumination for open floor and racked aisles with photometric distributions of 55, 90 and 120 degrees.
- Utilizes high brightness LEDs, 70 CRI at 4000K & 5000K typical.
- LM-79, LM 80 tests and reports are performed in accordance to IESNA standards.
- Choice of low-iron tempered glass or polycarbonate lens for sealed optical cavity. Both lenses are IK08 impact rated.

Product Dimensions:

Ratings:
Standard:
- UL 844 Class I, Division 2, Groups A, B, C, D.
- CSA C22.2 NO. 137. For use in Hazardous Locations.
- DLC Premium qualified. Please refer to:
  http://www.designlights.org/QPL for complete information.
- UL 1598 Suitable for Wet Locations.
- UL 8750 LED equipment in Lighting Products.
- Temperature Rating: -30°C up to +65°C.
- Projected L70 ≥ 100,000 Life Hours per IES TM-21.
- RoHS.

Corrosive Resistant:
- UL 1598A Inside Drip Proof-Type*
- 3,000 hours of ASTM B117 Salt Spray*
- NEMA 4X Enclosure Type*
* Choose Finish option "R = Corrosion Resistant"

Mounting:
- ¾" NPT pendant mount.
- Cord length options available.

Finish:
- Standard Finish: polyester powder coat.
- Corrosion Resistant Finish: polyester powder coat with passivation layer.
- Standard color: White.

Controls:
- 0-10V Dimming.

Electrical:
- 120-277V volt and 347/480 volt available.
- System power factor is >90%* and THD <20%*.
- 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.
* System power factor and THD is tested and specified at 120V input and maximum load conditions.

Warranty:
- 5-year limited system warranty standard.

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Max Weight</th>
</tr>
</thead>
<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>
</tr>
<tr>
<td>Double Fixture 347/480V</td>
<td>49 lbs. max</td>
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</tbody>
</table>
# Ordering Number Logic

**Hazardous Location High Bay & Low Bay Lighting (AHH1)**

<table>
<thead>
<tr>
<th>PRODUCT ID</th>
<th>VOLTAGE (UL)</th>
<th>CONFIGURATION</th>
<th>LUMEN OUTPUT</th>
<th>LED COLOR TEMP</th>
<th>OPTICS BEAM</th>
<th>MOTION/DA SYLIGHT SENSOR</th>
<th>CONTROL WIRING</th>
<th>MOUNTING</th>
<th>CORD</th>
<th>PLUG</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>A = Albeo</td>
<td>0 = 120V-277V</td>
<td>1 = Single Fixture</td>
<td>70 Plus CR</td>
<td>120° Glass</td>
<td>N = None</td>
<td>6ft 18ga Dimming*</td>
<td>23 = Pendant</td>
<td>A = 6ft 18ga cord</td>
<td>N = None</td>
<td>W = White</td>
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<tr>
<td>H = Hazardous</td>
<td>S = 480V</td>
<td>2 = Single Fixture</td>
<td>57 = 5000K</td>
<td>90° Glass</td>
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<td>H = High Bay</td>
<td>D = 347V</td>
<td>2 = Double Fixture (2 LED Module)</td>
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**Note:** Polycarbonate lenses are not recommended for outdoor use.

**Temperature Code - Reference Information**

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<th>CONFIG.</th>
<th>LUMEN OUTPUT</th>
<th>40°C AMBIENT</th>
<th>50°C AMBIENT</th>
<th>60°C AMBIENT</th>
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<td>T5</td>
<td>T4A</td>
<td>T4A</td>
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</table>

**1 LED Module**

- No Dimming

**2 LED Module**

- Dimming Cord

**Typical Initial Lumen Output**

- 4000K & 5000K 70 CRI
- Typical System Wattage 120-277V & 347/480V
- LPW

**Maximum Ambient Temperature**

- 65°C

**Typical Initial Lumens**

- 1 LED Module
- 2 LED Module

**Typical System Wattage**

- 120-277V & 347/480V

**DIMMING CORD**

- No Dimming

**No Dimming**

**Diffuse (120°) Polycarbonate**

- 90%