Albeo™ LED Luminaire
Heavy Industrial High Bay & Low Bay Lighting
(ABR1 - Series)

Product Description:
The Albeo™ ABR1-Series is an IP66 rated fixture for demanding industrial environments with high ambient temperatures and wet applications. Utilizing a sealed form factor, the ABR1-Series offers customers a rugged design with exceptional performance and high reliability.

Electrical System:
• 120-277 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 120-277V per IEEE/ANSI C62.41.-1991, 3kV/3kA Location Category B3.
  - For 347/480V 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.

Optical System:
• ABR1-series reflector system enable LEDs to provide optimized illumination for open floor and racked aisles with photometric distributions of 55, 90, 120 degrees and diffuse.
• Choice of low-Iron tempered glass or polycarbonate lens for sealed optical cavity. Both lenses are IK08 impact rated.
• Utilizes high brightness LEDs, 70 CRI at 4000K & 5000K typical.
• LM-79, LM 80 tests and reports are performed in accordance to IESNA standards.

Ratings:
Standard:
• DLC qualified. Please refer to:
  [http://www.designlights.org QPL](http://www.designlights.org QPL) for complete information.
• UL 1598 Suitable for Wet Locations.
• UL 8750 LED Equipment in Lighting Products.
• -30° C up to 65° C Temperature Rated.
• 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"

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Max Weight</th>
<th>Max Weight with Rotatable Bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Fixture 120-277V</td>
<td>21 lbs. max</td>
<td>25 lbs. max</td>
</tr>
<tr>
<td>Single Fixture 347/480V</td>
<td>23 lbs. max</td>
<td>27 lbs. max</td>
</tr>
<tr>
<td>Double Fixture 120-277V</td>
<td>45 lbs. max</td>
<td>N/A</td>
</tr>
<tr>
<td>Double Fixture 347/480V</td>
<td>49 lbs. max</td>
<td>N/A</td>
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</tbody>
</table>
Ordering Number Logic
Heavy Industrial High Bay & Low Bay Lighting (ABR1)

<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/DAYLIGHT SENSOR</th>
<th>CONTROL WIRING</th>
<th>MOUNTING</th>
<th>CORD</th>
<th>PLUG</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Albeo</td>
<td>0 = 120V-277V</td>
<td>T = Standard Output</td>
<td>70 Plus CRI</td>
<td>70 = 4000K</td>
<td>67 = 5000K</td>
<td>N = None</td>
<td>V = 0-10V Dimming*</td>
<td>N = None</td>
<td>ST = Standard (Chain/Cable)</td>
<td>N = None</td>
</tr>
<tr>
<td>B</td>
<td>Bay</td>
<td>1 = 120V</td>
<td>2 = 208V</td>
<td>4 = 277V</td>
<td>5 = 480V</td>
<td>6 = 347V</td>
<td>R = 360° integrated Motion Sensor*</td>
<td>W = Motion, Aisle**</td>
<td>N = None</td>
<td>2 = Y-Cable/ Hook 5 ft.</td>
<td>360° Corrosion Resistant*</td>
</tr>
<tr>
<td>R</td>
<td>Rugged</td>
<td>1 = Generation</td>
<td>2 = Single Fixture (2 LED Module)</td>
<td>3 = Double Fixture (2 LED Module)</td>
<td>D = 120° PC Diffused*</td>
<td>1 = 120° Glass</td>
<td>5 = 55° Glass</td>
<td>A = 120° PC*</td>
<td>B = 55° PC*</td>
<td>C = 90° PC*</td>
<td>Dimming Cord*</td>
</tr>
<tr>
<td>1</td>
<td>Generation</td>
<td>2 = Single Fixture (2 LED Module)</td>
<td>3 = Double Fixture (2 LED Module)</td>
<td>4 = 120° Glass</td>
<td>98%</td>
<td>95%</td>
<td>90%</td>
<td>95%</td>
<td>90%</td>
<td>90%</td>
<td>95%</td>
</tr>
</tbody>
</table>

Note: Rotatable Mounting Bracket and/or Polycarbonate lens reduces max ambient temperature by 5°C. R sensor option with glass lens with/without Rotatable Bracket reduces max ambient temperature by 5°C. R sensor option with polycarbonate lens with/without Rotatable Bracket reduces max ambient temperature by 10°C.

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