



## ABR2 Series

### Heavy Industrial High Bay & Low Bay Lighting

The **Albeo® ABR2** LED luminaire is an IP66 rated fixture for demanding industrial environments with high ambient temperatures and wet applications. Utilizing a sealed form factor, the ABR2-Series offers customers a rugged design with exceptional performance and high reliability. Corrosive resistant finish recommended for use in natatorium and similar corrosive environments.

### Construction

|                          |  |
|--------------------------|--|
| <b>Housing:</b>          | Cast A380 Aluminum                           |
| <b>Lens:</b>             | Polycarbonate or Glass                       |
| <b>Paint:</b>            | Polyester powder coat with passivation layer |
| <b>Weight:</b>           | 21–49lbs (9.53–22.23kg)                      |
| <b>Optical Assembly:</b> | Reflective optics with flat lens             |

### Optical System

|                      |   |
|----------------------|---|
| <b>Lumens:</b>       | 9000 – 60000  |
| <b>Distribution:</b> | 120°, 90°, 55°, 30°, Glass, Clear PC, and Diffused lens options |
| <b>Efficacy:</b>     | Up to 175 LPW   |
| <b>CCT:</b>          | 4000K & 5000K   |
| <b>CRI:</b>          | 70 & 80   |

### Electrical

|  |   |
|--|---|
| <b>Input Voltage:</b>                    | 120–277 V, 347 V, & 480 V   |
| <b>Input Frequency:</b>                  | 50/60Hz   |
| <b>Power Factor (PF)*:</b>               | >90%*   |
| <b>Total Harmonic Distortion (THD)*:</b> | <20%*   |
| <b>EMI:</b>                              | Title 47 CFR 15 Class A   |
| <b>Surge Protection:</b>                 | <ul style="list-style-type: none"> <li>For 120–277VAC per IEEE/ANSI C62.41.-1991, 3kV/3kA Location Category B3</li> <li>For 347/480VAC per IEEE/ANSI C62.41.-1991, 6kV/3kA Location Category B3</li> <li>Optional for 120–480V per IEEE/ANSI C62.41.-1991, 10kV/5kA Location Category B3</li> </ul> |
| <b>LED Driver Type:</b>                  | Class 1   |

\* PF and THD may vary with options

### Controls

|                 |   |
|-----------------|---|
| <b>Dimming:</b> | Standard 0–10VDC,10% <ul style="list-style-type: none"> <li>Wattstopper FSP21i: Motion, Daylight, Hi-Low Dimming, and IR config (IR remote sold separately)</li> </ul>          |
| <b>Sensors:</b> | <ul style="list-style-type: none"> <li>Wattstopper FSP remote: SKU# 93076263Go0-.</li> <li>WHS100: Wireless Zigbee Daintree™ with Motion Sensor Standard 0–10VDC,10%</li> </ul> |

### Ambient Temperature

| TYPE                  | TEMPERATURE RATE |
|-----------------------|------------------|
| OPERATING TEMPERATURE | –30°C to +65°C   |

### Lumen Maintenance

|                                |
|--------------------------------|
| LXX(10K) @ Hours<br>100,000 HR |
| L70                            |

### Mounting

- Typical Mounting:**
  - Standard Chain/Cable mount ready.
  - Threaded Rod, Pendant Mount, Hook, and Loop kits optional for all configurations.
  - Rotatable Bracket optional for single module (1S) configurations only.
- Cord & Plugs:**
  - Knockout Access—no cord, no plug, available with 23 (Pendant mounting only).
  - 6 ft, 12 ft, 15 ft, 20 ft cord options.
  - 15A or 20A, straight or twist lock plug (Damp rated).

### Design Life & Warranty

- UL 1598 Suitable for Wet Locations (IP66)**
- Safety:**
  - UL/cUL Listed
  - UL 8750 LED Equipment in Lighting Products
  - UL 1598A Inside Drip Proof-Type
- Packaging:** Standard job pack contain 7–21 fixtures. Orders of <14 are typically single pack.
- Current's Limited 5-year Warranty:** Please refer to ALB048 in Product Downloads section at: <https://products.gecurrent.com>





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## CUSTOMER NAME

Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

## Ordering Information

### ABR2

| PRODUCT ID                   | VOLTAGE <sup>1</sup> | LUMEN OUTPUT  | PERFORMANCE LEVEL | CCT/CRI       | OPTICS/LENS                   | CONTROLS  | MOUNTING                         | CORD                      | PLUG                  | FINISH                  | OPTIONS   |
|------------------------------|----------------------|---------------|-------------------|---------------|-------------------------------|---|----------------------------------|---------------------------|-----------------------|-------------------------|---|
| ABR2 =<br>Albeo®<br>High Bay | 0 = 120-277V         | 09 = 9,000lm  | T = Standard      | <b>70 CRI</b> | 1G = 120° Glass               | QQ = None   | ST = Chain/Cable                 | K <sup>3</sup> = Knockout | Q = None              | W = White Powder Coat   | 1PK = Single Pack for distributor stocking. Default is job pack.<br><br>10K = 10kV Surge Protection |
|                              | 1 = 120V             | 12 = 12,000lm | H = High          | 47 = 4000k    | 9G = 90° Glass                | QV = 0-10V Control Wires  | 22 = 1/2" Threaded Rod Mount Kit | A = 6ft. 18ga black cord  | A = 15A Straight Plug | R = Corrosion Resistant |   |
|                              | 4 = 277V             | 15 = 15,000lm |                   | 57 = 5000k    | 5G = 55° Glass                | 2Q <sup>4</sup> = Motion Sensor w/ Daylight, High-Low Dimming, and IR Remote Adjustable (IR remote SKU #93076263G sold separately to modify default settings) | 23 = 3/4" Pendant Mount Kit      | B = 12ft. 18ga black cord | B = 20A Straight Plug |                         |   |
|                              | D = 347V             | 18 = 18,000lm |                   | <b>80 CRI</b> | 3G = 30° Glass                | 4Q <sup>5</sup> = Wireless ZigBee Daintree® Enabled w/ Motion Sensor  | 23 = 3/4" Pendant Mount Kit      | C = 15ft. 18ga black cord | C = 15A Twist Lock    |                         |   |
|                              | 5 = 480V             | 24 = 24,000lm |                   | 48 = 4000k    | 1C = 120° Clear PC            |   | HK = Hook                        | D = 20ft. 18ga black cord | D = 20A Twist Lock    |                         |   |
|                              |                      | 30 = 30,000lm |                   | 58 = 5000k    | 9C = 90° Clear PC             |   | LP = Loop                        |                           |                       |                         |   |
|                              |                      | 36 = 36,000lm |                   |               | 5C = 55° Clear PC             |   | 41 = 5 ft. Y-Cable/Hook          |                           |                       |                         |   |
|                              |                      | 48 = 48,000lm |                   |               | 3C = 30° Clear PC             |   | 42 = 10 ft. Y-Cable/Hook         |                           |                       |                         |   |
|                              |                      | 60 = 60,000lm |                   |               | 1D = 120° Diffuse PC          |   | 43 = 15 ft. Y-Cable/Hook         |                           |                       |                         |   |
|                              |                      |               |                   |               | 1F = 120° Teflon Coated Glass |   | 44 = 20 ft. Y-Cable/Hook         |                           |                       |                         |   |

| 70 CRI @ 4000K OR 5000K CCT |              |                          |               |          |                      |                       |          |             |
|-----------------------------|--------------|--------------------------|---------------|----------|----------------------|-----------------------|----------|-------------|
| LUMEN PACKAGE               | OUTPUT LEVEL | TYPICAL DELIVERED LUMENS | TYPICAL POWER |          | TYPICAL LPW 120-277V | MAX AMBIENT TEMP (°C) |          | MODULE BODY |
|                             |              |                          | 120-277V      | 347-480V |                      | 120-277V              | 347-480V |             |
| 09                          | T            | 9,100                    | 55            | 58       | 165                  | 60                    | 60       | 1S          |
| 09                          | H            | 9,100                    | 51            | 54       | 178                  | 65                    | 65       | 1S          |
| 12                          | T            | 12,100                   | 75            | 79       | 161                  | 60                    | 60       | 1S          |
| 12                          | H            | 12,100                   | 68            | 72       | 178                  | 65                    | 65       | 1S          |
| 15                          | T            | 15,100                   | 98            | 100      | 154                  | 60                    | 60       | 1S          |
| 15                          | H            | 15,100                   | 87            | 90       | 174                  | 65                    | 65       | 1S          |
| 18                          | T            | 18,000                   | 124           | 123      | 145                  | 60                    | 60       | 1S          |
| 18                          | H            | 18,000                   | 106           | 107      | 170                  | 65                    | 65       | 1S          |
| 24                          | T            | 24,200                   | 176           | 176      | 138                  | 60                    | 60       | 1S          |
| 24                          | H            | 24,200                   | 138           | 137      | 175                  | 65                    | 65       | 1S          |
| 30                          | T            | 30,700                   | 205           | 209      | 150                  | 60                    | 60       | 1S          |
| 30                          | H            | 30,700                   | 180           | 180      | 171                  | 65                    | 65       | 1S          |
| 36                          | T            | 36,100                   | 247           | 245      | 146                  | 60                    | 60       | 2S          |
| 36                          | H            | 36,100                   | 213           | 214      | 169                  | 65                    | 65       | 2S          |
| 48                          | T            | 48,400                   | 352           | 352      | 138                  | 60                    | 60       | 2S          |
| 48                          | H            | 48,400                   | 276           | 274      | 175                  | 65                    | 65       | 2S          |
| 60                          | T            | 61,400                   | 410           | 418      | 150                  | 60                    | 60       | 2S          |
| 60                          | H            | 61,400                   | 360           | 360      | 171                  | 65                    | 65       | 2S          |

| CRI | CCT   | LUMEN PACKAGE OUTPUT |          |
|-----|-------|----------------------|----------|
|     |       | T OUTPUT             | H OUTPUT |
| 70  | 5000K | 100%                 | 100%     |
|     | 4000K | 100%                 | 100%     |
| 80  | 5000K | 95%                  | 98%      |
|     | 4000K | 92%                  | 92%      |

| OPTIC CODE | OPTIC DESCRIPTION        | OUTPUT |
|------------|--------------------------|--------|
| 1G         | 120° Glass Lens          | 100%   |
| 9G         | 90° Glass Lens           | 97%    |
| 5G         | 55° Glass Lens           | 94%    |
| 3G         | 30° Glass Lens           | 94%    |
| 1C         | 120° Clear Lens          | 97%    |
| 9C         | 90° Clear Lens           | 94%    |
| 5C         | 55° Clear Lens           | 91%    |
| 3C         | 30° Clear Lens           | 92%    |
| 1D         | 120° Diffused Lens       | 94%    |
| 1F         | 120° Teflon Coated Glass | 98%    |
| 9F         | 90° Teflon Coated Glass  | 96%    |
| 5F         | 55° Teflon Coated Glass  | 94%    |

### ORDERING NOTES:

1. Specify single voltage if plug is needed.
2. Available for single module (1S) configurations only.
3. Available with 23 (Pendant) Mount Kit only.
4. Not available on 480V.
5. Not available at 347V/480V, Not available on 36K Lumens and up, Not available on "R" finish.

### Field-Installable Mounting and Accessory Options

| MOUNTING/ACCESSORY OPTIONS  | IMAGE | ORDER LOGIC CODE  | DIMENSIONS/NOTES  |
|---|-------|---|---|
| <p><b>Standard Chain/Cable Mount</b><br/>Available on all fixture configurations (chain not included). Y-Cable w/ hook can be ordered as an accessory.</p>  |       | <p>ST = Standard</p>  | <p>N/A</p>  |
| <p><b>Rod Mount (optional)</b><br/>Available on all fixture configurations. Attaches to 1/2" threaded rod (rod and nuts not included).</p>  |       | <p>22 = 1/2" Threaded Rod Kit</p>   | <p>93132321G</p>  |
| <p><b>Pendant Mount (optional)</b><br/>Available on all fixture configurations. Attaches to 3/4" NPT threaded conduit (conduit not included).</p>   |       | <p>23 = 3/4" NPT Pendant Mount Kit</p>  | <p>W Finish: 93132322G<br/>R Finish: 93132323G</p>                                    |
| <p><b>Hook/Loop Mount (optional)</b><br/>Available on all fixture configurations. Attaches to loop or hook.</p>   |       | <p>HK = Hook<br/>LP = Loop</p>  | <p>K = 93132319G<br/>LP = 93132320G</p>   |
| <p><b>Y-Cable w/ hook (optional)</b><br/>Use with Standard Mounting option only. Order separately. Price adder per pair. 5ft, 10ft, 15ft, 20ft lengths available. Not available with corrosion resistant finish (R)</p> |       | <p>41 = Y-cable/Hook 5ft<br/>42 = Y-cable/Hook 10ft<br/>43 = Y-cable/Hook 15ft<br/>44 = Y-cable/Hook 20ft<br/>Max Load: 200 lbs. per pair</p> | <p>5ft = 93075756G<br/>10ft = 93075552G<br/>15ft = 93075553G<br/>20ft = 93075554G</p> |
| <p><b>Rotatable Mount Bracket (optional)</b><br/>Available on single module (1S) configurations only. Mounts to a wall or ceiling with 360° of rotation at 15° fixed angle points.</p>                                  |       | <p>RB = Rotatable Bracket</p>   | <p>95020514</p>   |

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

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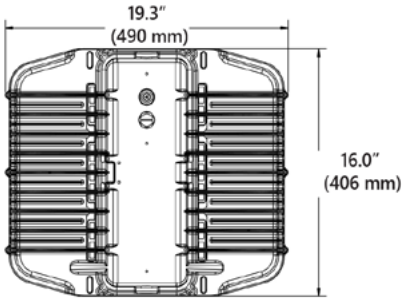
## CUSTOMER NAME

Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

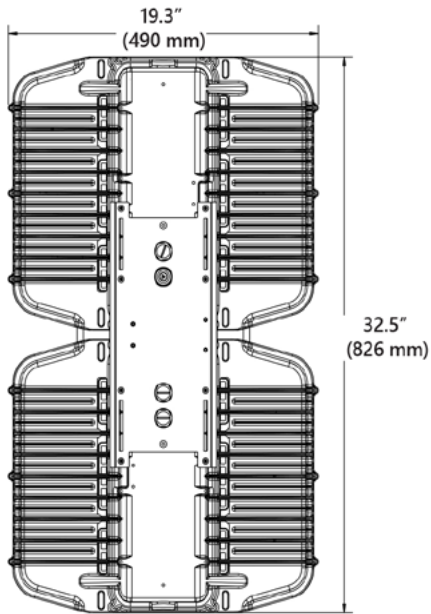
Catalog Number \_\_\_\_\_

### 1S - Module

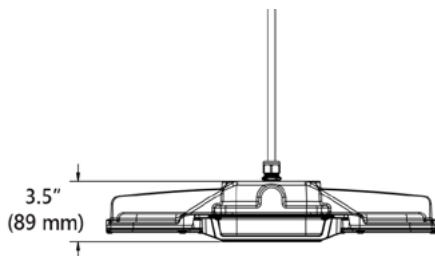


| CONFIGURATION           | MAX WEIGHT  | MAX WEIGHT WITH ROTATABLE BRACKET |
|-------------------------|-------------|-----------------------------------|
| Single Fixture 120-277V | 21 lbs. max | 25 lbs. max                       |
| Single Fixture 347/480V | 23 lbs. max | 27 lbs. max                       |
| Double Fixture 120-277V | 45 lbs. max | N/A                               |
| Double Fixture 347/480V | 49 lbs. max | N/A                               |

### 2S - Module



### Side View

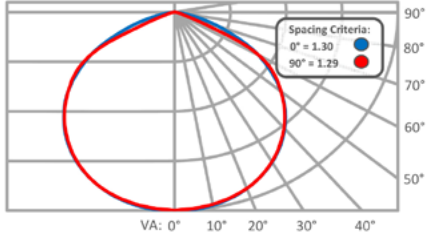


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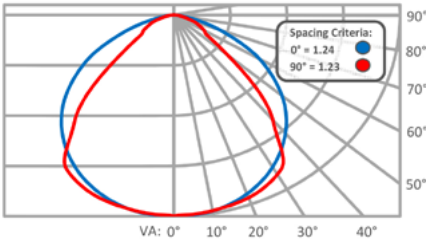
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## Photometric Data

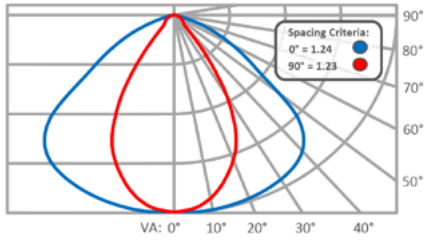
**1G/1C**  
120° Clear Lens



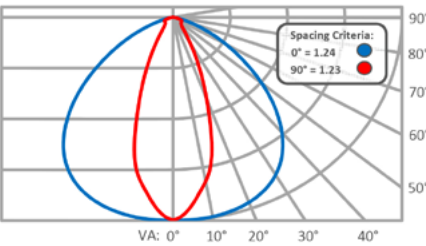
**9G/9C**  
90° Clear Lens



**5G/5C**  
55° Clear Lens



**3G/3C**  
30° Clear Lens



**1D**  
120° Diffused Lens

