



## 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 FSP21f: 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 DaintreeTM with Motion Sensor Standard 0–10VDC;10%</li> </ul>
<b>Listing</b>	DLC 5.1 LLC: Integrated/embedded networked lighting controls, luminaire-level lighting control (LLLC)

### Ambient Temperature

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

### Lumen Maintenance

LXX(10K) @ Hours 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
  - Glass lens options are IK08 impact rated**
  - Polycarbonate lens options are IK09 impact rated**
  - Packaging:** Standard job pack contain 7–21 fixtures. Orders of <14 are typically single pack.
  - Current's Limited 5-year Warranty:** See website.



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Heavy Industrial High Bay & Low Bay Lighting

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

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
<b>1G</b>	120° Glass Lens	100%
<b>9G</b>	90° Glass Lens	97%
<b>5G</b>	55° Glass Lens	94%
<b>3G</b>	30° Glass Lens	94%
<b>1C</b>	120° Clear Lens	97%
<b>9C</b>	90° Clear Lens	94%
<b>5C</b>	55° Clear Lens	91%
<b>3C</b>	30° Clear Lens	92%
<b>1D</b>	120° Diffused Lens	94%
<b>1F</b>	120° Teflon Coated Glass	98%
<b>9F</b>	90° Teflon Coated Glass	96%
<b>5F</b>	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> 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> 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> 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 R Finish: 93132323G</p>
<p><b>Hook/Loop Mount (optional)</b> Available on all fixture configurations. Attaches to loop or hook.</p>		<p>HK = Hook LP = Loop</p>	<p>K = 93132319G LP = 93132320G</p>
<p><b>Y-Cable w/ hook (optional)</b> 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 42 = Y-cable/Hook 10ft 43 = Y-cable/Hook 15ft 44 = Y-cable/Hook 20ft Max Load: 200 lbs. per pair</p>	<p>5ft = 93075756G 10ft = 93075552G 15ft = 93075553G 20ft = 93075554G</p>
<p><b>Rotatable Mount Bracket (optional)</b> 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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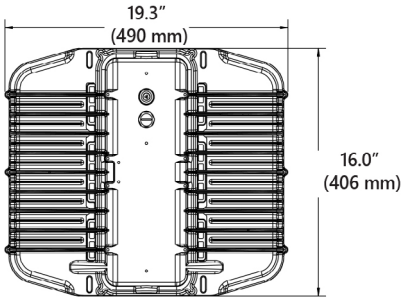
## CUSTOMER NAME

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

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

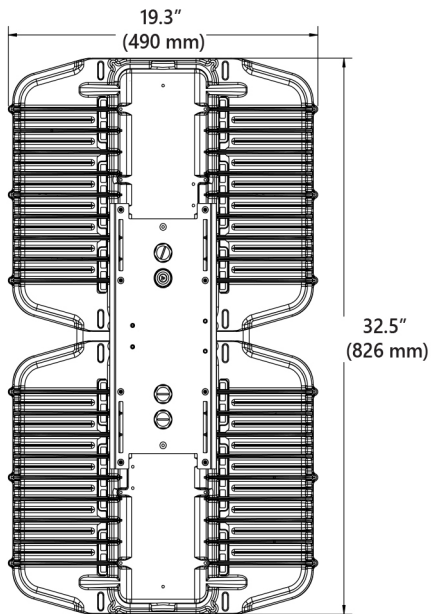
Catalog Number \_\_\_\_\_

### 1S - Module

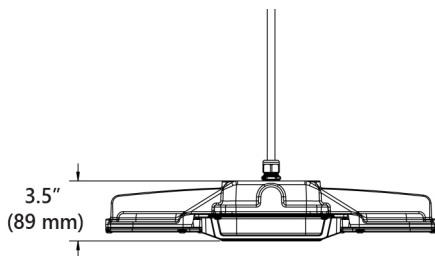


CONFIGURATION	MAX WEIGHT	MAX WEIGHT WITH ROTATABLE BRACKET
Single Fixture 120-277V	21 lbs. max	25 lbs. max
Single Fixture 347/480V	23 lbs. max	27 lbs. max
Double Fixture 120-277V	45 lbs. max	N/A
Double Fixture 347/480V	49 lbs. max	N/A

### 2S - Module

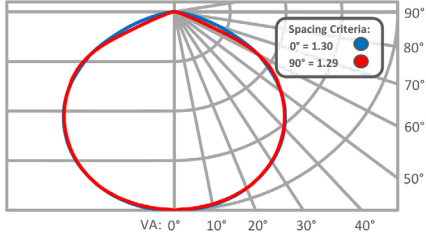


### Side View

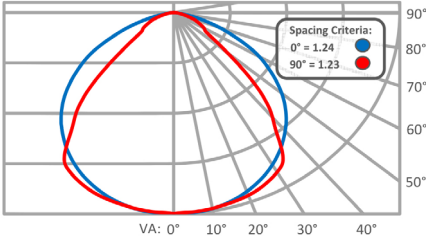


**Photometric Data**

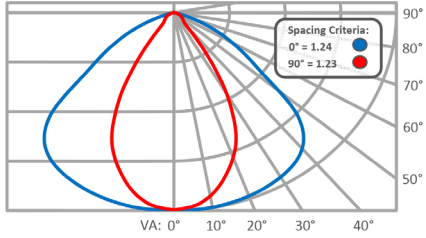
**1G/1C**  
120° Clear Lens



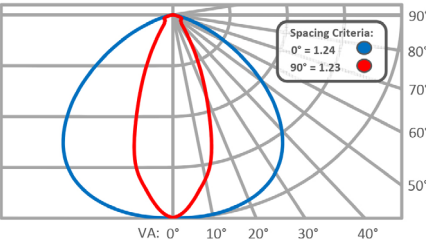
**9G/9C**  
90° Clear Lens



**5G/5C**  
55° Clear Lens



**3G/3C**  
30° Clear Lens



**1D**  
120° Diffused Lens

