

# Albeo® LED Luminaires

Heavy Industrial High Bay & Low Bay Lighting | ABR2 series



CUSTOMER NAME \_\_\_\_\_

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

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

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

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.

## CONSTRUCTION

<b>Housing:</b>	Cast A380 Aluminium
<b>Lens:</b>	Polycarbonate or Glass
<b>Paint:</b>	Polyester powder coat with passivation layer
<b>Weight:</b>	21-49 lbs (9.53-22.23 kg)
<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 120-480 V 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%
<b>Sensors:</b>	<ul style="list-style-type: none"><li>-Wattstopper FSP211: Motion, Daylight, Hi-Low Dimming, and IR config (IR remote sold separately)</li><li>-Wattstopper FSP remote: SKU# 93076263).</li><li>-WHS100: Wireless Zigbee Daintree™ with Motion Sensor</li></ul>

## LUMEN AMBIENT TEMPERATURE

TYPE	TEMPERATURE RATE
OPERATING TEMPERATURE	-30°C to +65°C (-22°F to 131°F)

## 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.
  - 15 A or 20 A, 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>



# Albeo® LED Luminaires

## ABR2 series | LED IP65 Round High Bay

### Ordering Information

#### 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>1</b> = 120 <b>4</b> = 277 <b>D</b> = 347 <b>5</b> = 480	<b>09</b> = 9,000lm <b>12</b> = 12,000lm <b>15</b> = 15,000lm <b>18</b> = 18,000lm <b>24</b> = 24,000lm <b>30</b> = 30,000lm <b>36</b> = 36,000lm <b>48</b> = 48,000lm <b>60</b> = 60,000lm	<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>9G</b> = 90° Glass <b>5G</b> = 55° Glass <b>3G</b> = 30° Glass <b>1C</b> = 120° Clear PC <b>9C</b> = 90° Clear PC <b>5C</b> = 55° Clear PC <b>3C</b> = 30° Clear PC <b>1D</b> = 120° Diffuse PC	<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 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>22</b> =1/2" Threaded Rod Mount Kit <b>23</b> =3/4" Pendant Mount Kit <b>HK</b> =Hook <b>LP</b> =Loop <b>41</b> =5 ft. Y-Cable/Hook <b>42</b> =10 ft. Y-Cable/Hook <b>43</b> =15 ft. Y-Cable/Hook <b>44</b> =20 ft. Y-Cable/Hook <b>RB<sup>2</sup></b> =Rotatable Bracket	<b>K<sup>3</sup></b> = Knockout <b>A</b> = 6ft. 18ga cord <b>B</b> = 12ft. 18ga cord <b>C</b> = 15ft. 18ga cord <b>D</b> = 20ft. 18ga 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

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
4	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:

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

# Albeo<sup>®</sup> LED Luminaires

ABR2 series | LED IP65 Round High Bay

## Mounting/Accessory Options

**CUSTOMER NAME**

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

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

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

### 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>		ST = Standard	N/A
<p><b>Rod Mount (optional)</b> Available on all fixture configurations. Attaches to 1/2" threaded rod (rod and nuts not included).</p>		22 = 1/2" Threaded Rod Kit	93132321
<p><b>Pendant Mount (optional)</b> Available on all fixture configurations. Attaches to 3/4" NPT threaded conduit (conduit not included).</p>		23 = 3/4" NPT Pendant Mount Kit	W Finish: 93132322 R Finish: 93132323
<p><b>Hook/Loop Mount (optional)</b> Available on all fixture configurations. Attaches to loop or hook.</p>		HK = Hook LP = Loop	K = 93132319 LP = 93132320
<p><b>Y-Cable w/ hook (optional)</b> Use with Standard Mounting option only. Order separately. Price adder per pair. 5 ft, 10 ft, 15 ft, 20 ft lengths available. Not available with corrosion resistant finish (R)</p>		41 = Y-cable/Hook 5 ft 42 = Y-cable/Hook 10 ft 43 = Y-cable/Hook 15 ft 44 = Y-cable/Hook 20 ft Max Load: 200 lbs. per pair	5 ft = 93075756 10 ft = 93075552 15 ft = 93075553 20 ft = 93075554
<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>		RB = Rotatable Bracket	95020514

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.

# Albeo<sup>®</sup> LED Luminaires

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## Product Dimensions

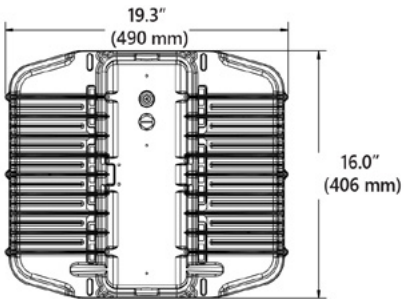
### CUSTOMER NAME

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

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

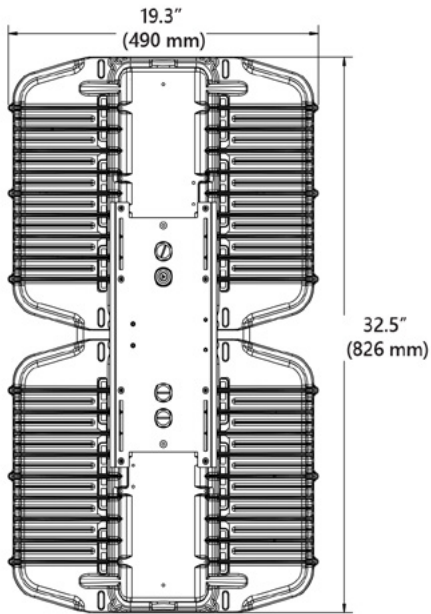
Catalog Number \_\_\_\_\_

### 1S - MODULE

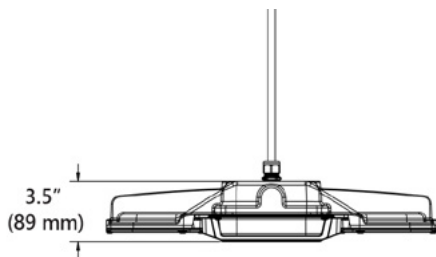


CONFIGURATION	MAX WEIGHT	MAX WEIGHT WITH ROTATABLE BRACKET
Single Fixture 120-277V	21 lbs. max	25 lbs. max
Single Fixture 347/480V	23 lbs. max	27 lbs. max
Double Fixture 120-277V	45 lbs. max	N/A
Double Fixture 347/480V	49 lbs. max	N/A

### 2S - MODULE



### SIDE VIEW



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## Photometric Data

AGENT/DISTRIBUTOR NAME-LOGO

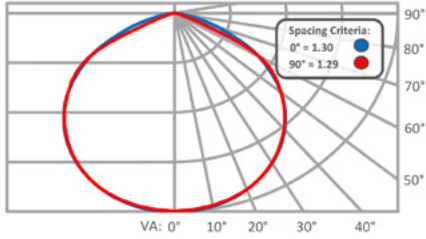
Project Name \_\_\_\_\_

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

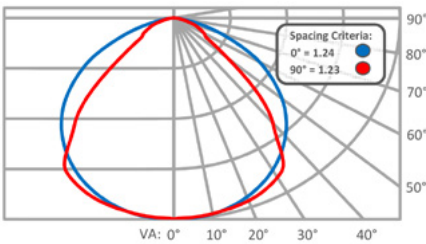
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### PHOTOMETRIC DATA

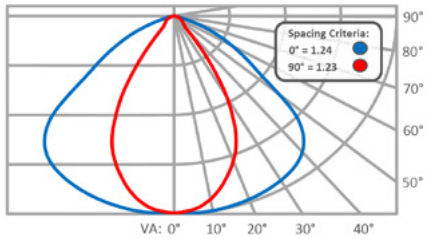
**1G/1C**  
120° Clear Lens



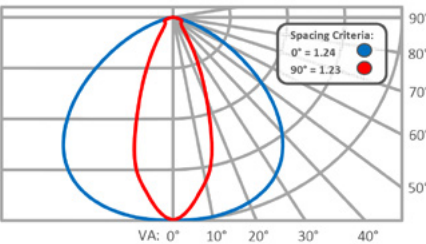
**9G/9C**  
90° Clear Lens



**5G/5C**  
55° Clear Lens



**3G/3C**  
30° Clear Lens



**1D**  
120° Diffused Lens

