

Albeo™ LED Luminaire



Project name _____
 Date _____
 Type _____

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 120-277VAC 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.

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:

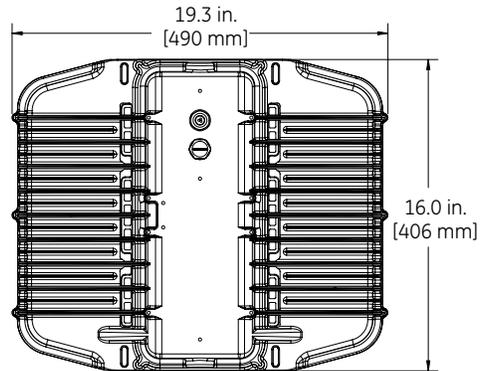
- DLC qualified. Please refer to: <http://www.designlights.org> QPL for complete information.
- UL 1598 Suitable for Wet Locations.
- UL 8750 LED Equipment in Lighting Products.
- -30° C up to 65° C Temperature Rated.
- Projected L70 > 100,000 Life Hours per IES TM-21.
- RoHS

Corrosive Resistant:

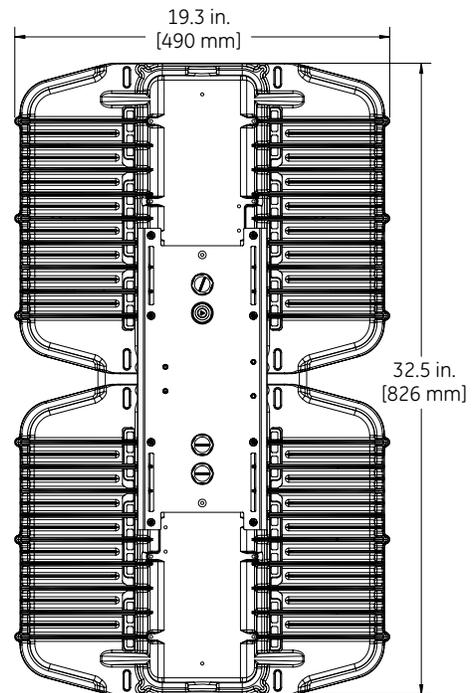
- UL 1598A Inside Drip Proof-Type*
 - 3,000 hours of ASTM B117 Salt Spray*
 - NEMA 4X Enclosure Type*
- * Choose Finish option "R = Corrosion Resistant"

Product Dimensions:

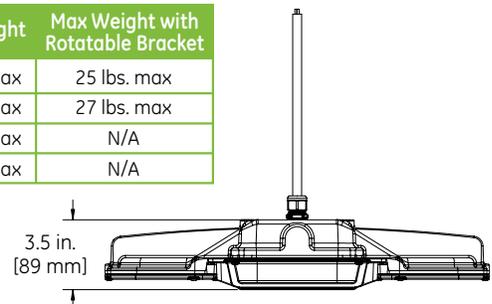
Single Fixture



Double Fixture



Side View



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



Ordering Number Logic

Heavy Industrial High Bay & Low Bay Lighting (ABR1)



ABR1

N

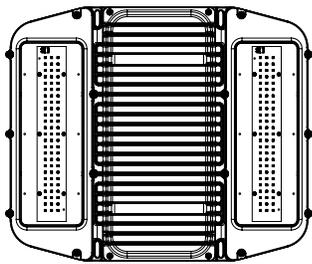
PRODUCT ID	VOLTAGE (UL)	CONFIGURATION	LUMEN OUTPUT	LED COLOR TEMP	OPTICS BEAM	MOTION/DAYLIGHT SENSOR	CONTROL WIRING	MOUNTING	CORD	PLUG	FINISH
A = Albeo	0 = 120V-277V 1 = 120V	1 = Single Fixture (1 LED Module)	T = Standard Output H = High Output	70 Plus CRI 47 = 4000K 57 = 5000K	1 = 120° Glass 5 = 55° Glass 9 = 90° Glass A = 120° PC* B = 55° PC* C = 90° PC* D = 120° PC Diffused*	N = None R = 360° Integrated Motion Sensor* V = Motion, 360° W = Motion, Aisle** X = Daylight *Note: Only sensor available with either Rotatable Bracket or Corrosion Resistant Finish. Not compatible with 347V. **Note: Field-installed sticker included. Note: Sensors are not available with 480V.	N = None V = 0-10V Dimming* *Note: 2-conductor cord for dimming is factory installed. See images below.	ST = Standard (Chain/Cable) 22 = Rod Mount 23 = Pendant 41 = Y-Cable/ Hook 5 ft. 42 = Y-Cable/ Hook 10 ft. 43 = Y-Cable/ Hook 15 ft. 44 = Y-Cable/ Hook 20 ft. RB = Rotatable Bracket*	A = 6ft 18ga cord* B = 12ft 18ga cord C = 20ft 18ga cord * 6ft cord standard unless otherwise specified.	N = None	W = White Powder coat R = Corrosion Resistant* *Note: Not compatible with 347V sensors or mounting options 41, 42, 43, or 44.

CONFIG.	LUMEN OUTPUT	TYPICAL INITIAL LUMENS 4000K & 5000K 70 CRI	TYPICAL SYSTEM WATTAGE 120-277V & 347-480V	LPW	MAXIMUM AMBIENT TEMPERATURE
1	T	8,800	64	138	65°C
1	H	11,800	90	131	65°C
2	T	17,400	125	139	65°C
2	H	23,000	178	129	60°C
4	T	34,800	250	139	65°C
4	H	46,000	356	129	60°C

OPTICS BEAM	% OUTPUT
Wide (120°) Glass	100%
Area (90°) Glass	98%
Aisle (55°) Glass	93%
Wide (120°) Polycarbonate	95%
Area (90°) Polycarbonate	94%
Aisle (55°) Polycarbonate	88%
Diffuse (120°) Polycarbonate	90%

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.

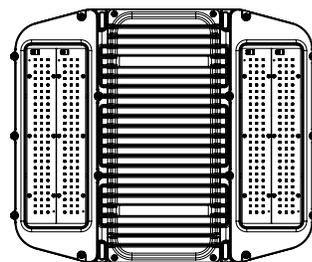
1 LED Module



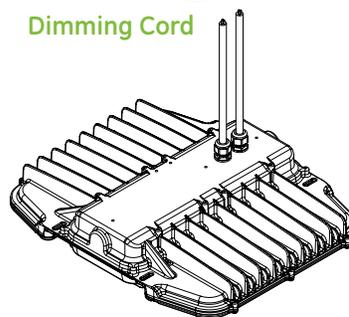
No Dimming



2 LED Module



Dimming Cord



www.gelighting.com

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