



GE Albeo™

LED Luminaire

High Bay Lighting - AH2A Series Hazardous Environment

Complete. Innovative. Trusted.

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The **Albeo™ AH2A** LED fixture offers hazardous location lighting for a variety of demanding environments. Retrofit the GE Filtr-Gard™ H2 Hazardous Fixture and maintain UL 844 listing. Also, suitable for new construction with purchase of mounting hardware. Perfect for high ambient temperatures & wet locations, the AH2A offers a rugged design with exceptional performance & reliability characteristic of Albeo luminaires.



Features:

- 5,000 – 18,000 lumens output
- High brightness LED
- 70 CRI
- 4000K & 5000K
- 360°, 180°, or Wide Distribution
- Glass or Polycarbonate options
- L70 ≥ 100,000 hours @ 65°C

Applications:

- For adverse, severe duty and hazardous classifications



Certifications:

- UL1598 Wet Location
- UL1598A Outside Type (Saltwater)
- UL844 Listed
 - Class I Division 2 Groups A, B, C, & D
 - Class II Division 2, Groups F & G
 - Class III Divisions 1 & 2
 - Simultaneous Presence
- UL8750 LED Equipment in Lighting Products
- CAN/CSA C22.2 No. 137-M1981 Listed
- NEMA 4X Enclosure Type
- IP66 Ingress Protection Rating
- EMI: Title 47 CFR 15 Class A

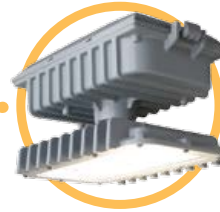


To learn more about **GE Albeo High Bay Lighting AH2A-Series**, go to: <http://products.currentbyge.com>

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Project name _____
 Date _____
 Type _____

Typical Specifications: AH2A Series

LED & Optical

- **CRI:** 70 CRI Standard
- **CCT:** 4000K & 5000K
- **Distribution:** 360°, 180°, or Wide
- **Rated Life:** L70 ≥ 100,000 hours @ 65°C

Electrical

- **Input Voltage:** 120-277V, 347V or 480V
- **System Power Factor (PF):** >0.9*
- **Input Frequency:** 50/60Hz
- **Total Harmonic Distortion (THD):** <20%*
- **LED Driver Type:** Class 1, 10kV/5kA Surge Protection
- **EMI:** FCC CFR Title 47 Part 15, Class A

* PF and THD may vary with options.

Ratings

Standard:

- **Operating Temperature:** -40°C to +65°C (-40°F to 149°F)
- **Storage Temperature:** -40°C to +70°C
- **Surge Protection:** 10kV/5kA surge protection
- **Safety:** UL/cUL Listed
- **Environmental:** RoHS compliant

Construction & Finish

- **Housing:** Low Copper A356 Cast Aluminum
- **Lensing:** Polycarbonate or Tempered Glass
- **Paint:** Powder Coat Painted Housing
- *No glass in housing or lenses if polycarbonate option is chosen*
- **Weight:** 19lbs. max (see dimensional drawings)

Mounting

- **Typical Mounting:** Designed to retrofit to the existing GE Filtr-Gard™ H2 Hazardous HID mounting kits and maintain UL 844 listing.
- **New Construction:** Mounting ships separately to allow easy installation flow at the jobsite. Must order mounting kit for new construction installations.

Accessories /Options & Packaging:

- **Packaging:** Single pack – all fixtures are packaged individually for safe shipment and delivery.

Design Life & Warranty

- **Reliability Testing:** components and/or systems evaluation at extreme conditions and monitored during production
- **System Warranty:** 5 Years Standard

Ordering Information: AH2A Series

New Construction = Fixture + mount EX: AH2A005473CNQG + H2000-3P

Retrofit to GE H2 = Fixture only EX: AH2A508571GWQG

A H 2 A

Q

G

FAMILY	VOLTAGE	LUMEN OUTPUT	LED COLOR TEMP	OPTICS BEAM	LENS	WIRE GUARD	CONTROL WIRING	FINISH
AH2A = Albeo Hazardous AH2 1st Gen	0 = 120V-277V 5 = 480V D = 347V	05 = 5,000 lm 08 = 8,000 lm 18 = 18,000 lm	70 Plus CRI 47 = 4000K 57 = 5000K	3 = 360° 1 = 180° W = Wide	C = Clear Polycarbonate G = Glass (Tempered)	N = None W = Wire Guard	Q = None	G = Gray

LUMEN OUTPUT	@70 CRI 5000K CCT			TYPICAL LPW 120-277V
	TYPICAL DELIVERED LUMENS	TYPICAL POWER		
		120-277V	340-480V	
5,000	5,600	34	37	164
8,000	8,300	53	57	157
18,000	18,100	101	102	179

OPTIC CODE	OPTIC DESCRIPTION	OUTPUT
3G	360° Glass	100%
1G	180° Glass	93%
WG	Wide Glass	92%
3C	360° Polycarbonate	98%
1C	180° Polycarbonate	91%
WC	Wide Polycarbonate	90%

MAXIMUM AMBIENT TEMP	5000 LM	8000 LM	18000 LM
45°C	T5	T5	T5
65°C	T4A	T4A	T4A

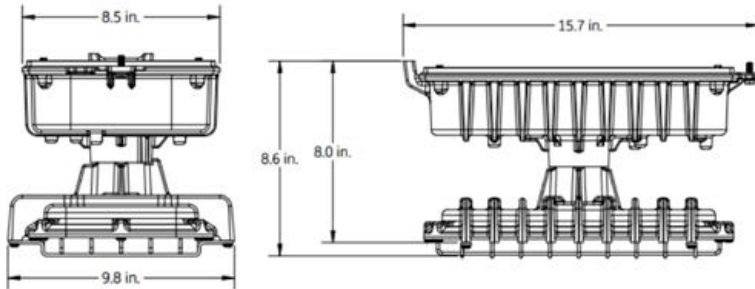
Temperature Code - Reference Information

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Product Dimensions:

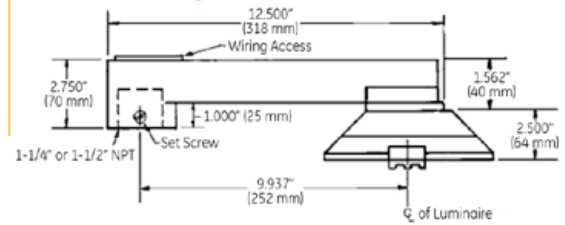
Weight: 19lbs. max



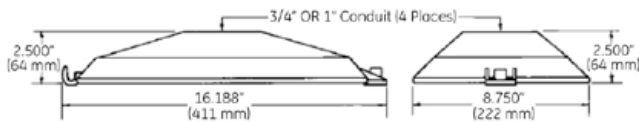
Mounting Hardware for New Construction Applications Ordered Separately from Fixture.

SKU	MOUNTING CAT#	DESCRIPTION	APPROXIMATE NET WEIGHT
210407	H2000-3C	Ceiling Mount 3/4" NPT	3.5 lbs.
22277	H2000-5J	Angle Stanchion 1-3/4" NPT	5.0 lbs.
23736	H2000-3P	Pendant 3/4" NPT	3.5 lbs.
23065	H2000-5S	Straight Stanchion 1-3/4" NPT	6.7 lbs.
23940	H2000-3W	Wall Mount 3/4" NPT	5.0 lbs.

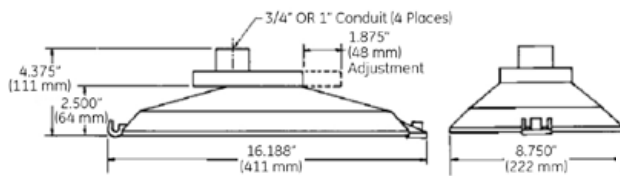
Straight Stanchion Mount



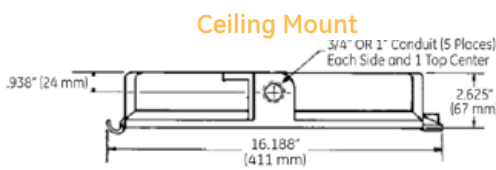
Pendant Mount



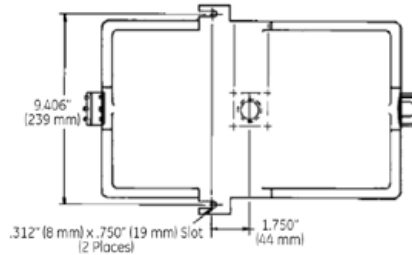
Flexible Pendant Mount



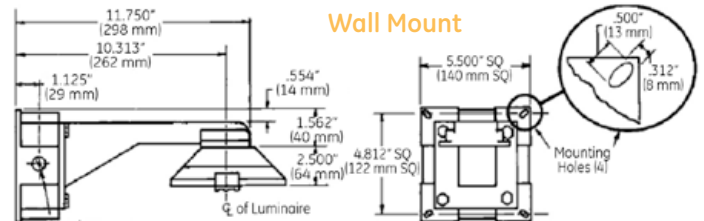
Ceiling Mount



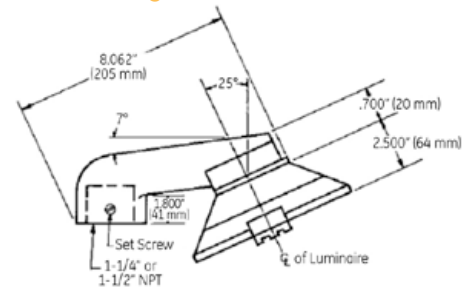
Ceiling Mount



Wall Mount

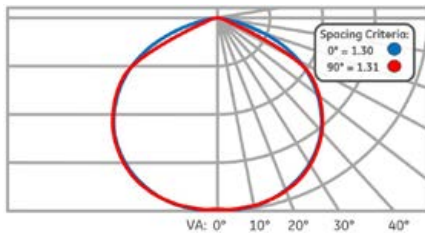


Angle Stanchion Mount

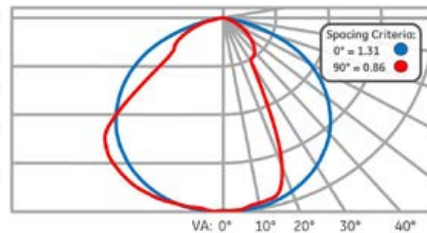


Photometrics:

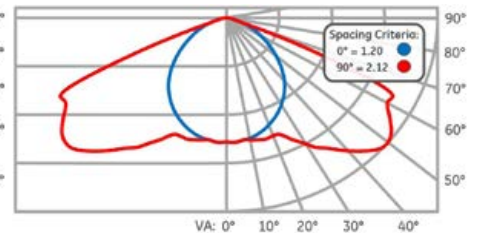
360° Optic (3C or 3G)



180° Optic (1C or 1G)



Wide Optic (WC or WG)



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