



24/7 Emergency Material Access

Albeo[™] LED Luminaire

High Bay Lighting (ABV-Series)







Product Features

Albeo continues to build on the groundbreaking ABH-Series high bay LED luminaire with its latest high bay, the ABV-Series. Utilizing a new form factor, the ABV-Series offers customers the best mixture of value and performance.

Applications

• Designed to meet recommended luminance and illuminance requirements for High bay and Low bay applications.

Housing

- Combination of steel and aluminum housing.
- ABV-Series' design accommodates 1 or 2 modules with 2 LED strips per module.

LED & Optical Assembly

- ABV-Series lens system enable LEDs to provide optimized illumination for open floor and racked aisles with photometric distributions of 55, 90 and 120 degrees.
- 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

- DLC Listed
- RoHs
- (1)/((1)) UL 1598 Suitable for Damp Locations
- UL 8750 LED equipment in Lighting Products
- Temperature Rated at (-30°C to +55°C) (-22°F to 131° F). *E output temperature rated at (0°C to +40°C) (32°F to 104°F).
- Projected L70(10k) ≥ 100,000 Life Hours per IES TM-21. *E output projected L70(10K) ≥ 70,000 Life Hours per IES TM-21.

Mounting

- Chain or Cable mounting ready, threaded rod kit, 3/4" pendant mount kit, and surface mount* optional.
- Cord and plug options offered.
 * Temperature rating reduced by 5°C

Finish

• Painted white finish

Controls

- Motion and Daylight sensor can be combined with the ABV-Series for additional energy savings.
- Wireless controls and emergency battery backup options available.

Electrical

- 120-277 volt, 347 and 480 volt available.
- System power factor is >90%* and THD <20%.*
- EMI: FCC CFR Title 47 Part 15, Class A.
 - * System power factor and THD is tested and specified at 120V input and maximum load conditions.

Warranty

• 5-year limited system warranty standard.





Accepted for inclusion in the 2014 IES Progress Report. Sponsored by the Illuminating Engineering Society.

Ordering Number Logic High Bay (ABV1)

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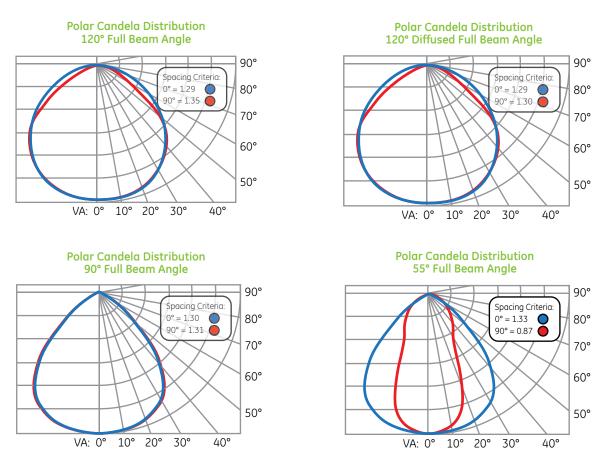
ABV1 _ _ _

PRODUCT ID	T VOLTA (UL)	^{ge} modu		MEN LED CO TPUT TEM		MOTION/I SEN		CONTROL WIRING	MOUNTING	CORD	PLUG	FINISH	OPTIONS
A = Albeo B = Boy V = V-Series 1 = LED Generati	1 = 120* 2 = 208* 4 = 277* 5 = 480* D = 347*	single cord or	dules V = Ver Ou E = Ele Ou NOTE:	ry High Itput 47 = 40	CRI 1 = 120° 5 = 55° 9 = 90° De I 20° Diffused le	B = On/off C = On/off L = Doylig F = Doylig G = 360 m G = 360 m H = Pre-win Ino se J = 0-10V K = 0-10V L = 0-10V K = 0-10V L = 0-10V K = 0-10V Wreless m Motior *Required f Enabled Fin Wireless n with 347V NOTE: Dim	aisle motion 360 motion cold motion/ cold temp 360 ht sensor notion/ nt red nsor) Motion 360 Motion aisle Motion old Ss Enabled S Enabled S Sensor* or Wireless xture. ot available -480V ming sensors padible with		ST = Standard 22 = 1/2" Threade rod mount k SM = Surface Mour Rod and nuts no included 23 = 3/4" Pendar Mount Kit 3/4" condult not included 41 = Y-Cable/ Hook 10 ft. 42 = Y-Cable/ Hook 10 ft. 43 = Y-Cable/ Hook 15 ft. 44 = Y-Cable/ Hook 20 ft. See Mounting & Accessories NOTE: *Temperatur rating reduced by S	it A = 6 ft. 18-3 cord B = 12 ft. 18-3 cord B = 12 ft. 18-3 cord	N = None A = 15A straight pl B = 20A straight pl C = 15A twist lock plug D = 20A twist lock plug	5	EL1 = 120° Battery Backup EL5 = 50° Battery Backup
MODULE #	OUTPUT LEVEL	TYPICAL INITIAL LUMENS 70 CRI 4000K 5000K		TYPICAL SYSTEM WATTS 120V-277V 347V-480V		LPW (5000K) 120V-277V 347V-480V		AM	XIMUM 1BIENT VERATURE	OPTICS	BEAM	% OUTPUT	
										120° (1)		100%	
1	Т	9000	9170	67	72	137	127	_	55°C	55° (5)		93%	_
1	V	12080	12310	95	102	130	121		55°C	90° (9)		99%	_
1	E	17200	17200	153	150	112	114		40°C	120° Dif	fused (D)	99%	
2	T	18000	18340	134	144	137	127		55°C				
2	V	24160	24620	190	204	130	121		55°C				

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Note: Lumen data shown is for 120°(1) optic see table to the right for other light optic factors.

Photometrics Optics for Common Applications

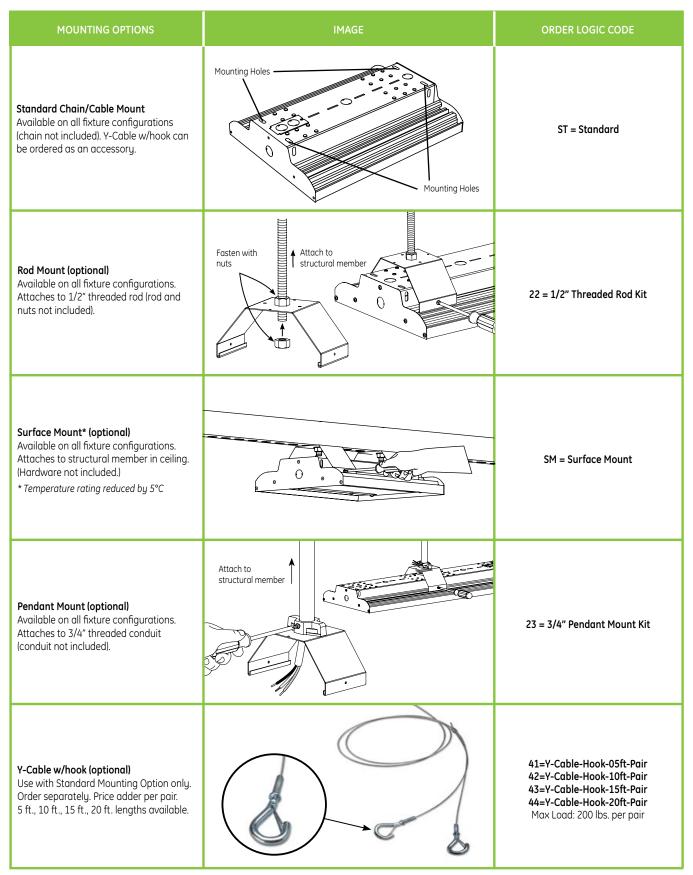


Lens selection by application

The Albeo™ ABV-Series optical lens system enables LEDs to provide precise illumination where needed. Lenses are designed for commercial & industrial applications where mounting height, fixture spacing & light levels help determine lens selection. The following table outlines lens options and suggested application. Consult factory for specific project layouts.

LENS TYPE	MOUNTING HEIGHT	SPACE TYPE
120° Diffused	Below 20 Feet	Open Floor Plan
120º Standard	Any	Open Floor Plan
90°	Any	Open Floor Plan
55°	Any	Low or High Bay Racked Aisles

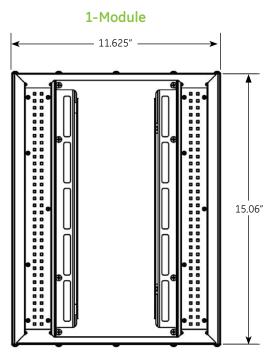
Mounting & Accessories



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

Product Dimensions

High Bay (ABV1)



Max. Weight: 11 lbs.

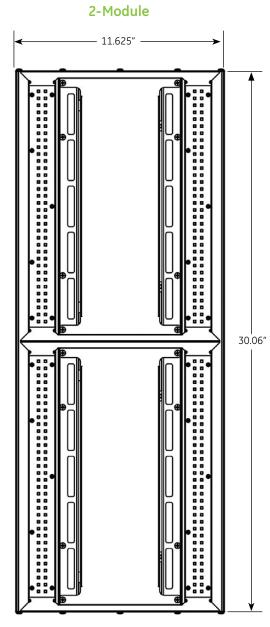
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3.05″



Max. Weight: 18 lbs.