Albeo™ LED Luminaire

High Bay Lighting
(ABV - Series)

Project name _____

Date _____

Type _____

Product Description:

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:

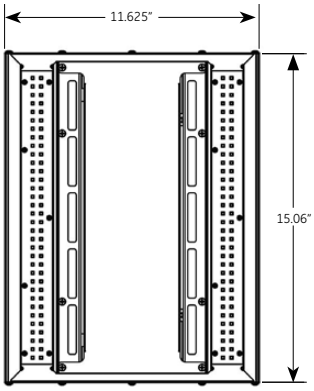
- Combination of steel and aluminum housing.
- ABV-Series' design accommodates 1 or 2 modules with 2 LED strips per module.

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.

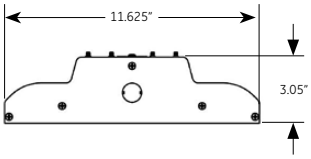
Product Dimensions:

1-Module

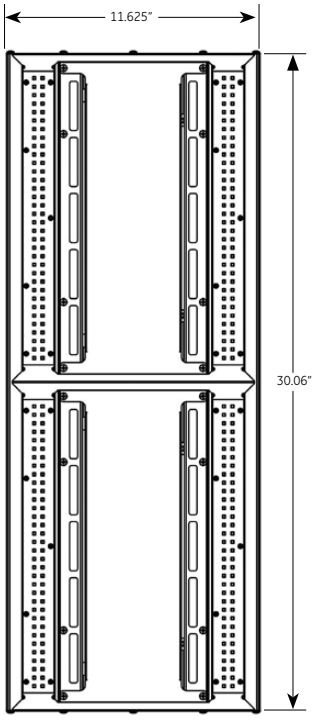


Max. Weight: 11 lbs.

Side View



2-Module



Max. Weight: 18 lbs.

Ratings:

- DLC qualified. Please refer to: http://www.designlights.org/QPL for complete information.
- 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 sensors can be combined with the ABV-Series for additional energy savings.
- Wireless controls and emergency battery backup options available.

Electrical:

- 120/277 volt and 347/480 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.

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Ordering Number Logic

High Bay (ABV1)

A B V 1 _ _ _ _ _ _ _ _ _ _ _ V _ _ _ _ _ _ _ W _ _ _

PRODUCT ID	VOLTAGE (UL)	MODULE	LUMEN OUTPUT	LED COLOR TEMP	OPTICS BEAM	MOTION/DAYLIGHT SENSOR	CONTROL WIRING	MOUNTING	CORD	PLUG	FINISH	OPTIONS
A = Albeo **B** = Bay **V** = V-Series **1** = LED Generation	**0** = 120/277 **1** = 120* **2** = 208* **4** = 277* **5** = 480* **D** = 347* *Specify single voltage if cord and plug or wireless needed.	**1** = 1 module **2** = 2 modules	**T** = Standard **V** = Very High Output **E** = Elevated Output* **NOTE:** *1-module only	**70 Plus CRI** **47** = 4000K **57** = 5000K	**1** = 120° **5** = 55° **9** = 90° **D** = 120° Diffused lens	**N** = None **A** = On/off aisle motion **B** = On/off 360 motion **C** = On/off cold temp aisle **D** = On/off cold temp 360 **E** = Daylight sensor **F** = Aisle motion/ daylight **G** = 360 motion/ daylight **H** = Pre-wired (no sensor) **J** = 0-10V Motion 360 **K** = 0-10V Motion aisle **L** = 0-10V Motion 360 cold **M** = 0-10V Motion aisle cold **4** = Wireless Enabled Motion Sensor* *Required for Wireless Enabled Fixture. Wireless not available with 347V-480V **NOTE:** Dimming sensors are not compatible with 480V options.	**V** = 0-10V	**ST** = Standard **22** = 1/2" Threaded rod mount kit **SM** = Surface Mount* **Rod and nuts not included** **23** = 3/4" Pendant Mount Kit **3/4" condult not included** **41** = Y-Cable/ Hook 5 ft. **42** = Y-Cable/ Hook 10 ft. **43** = Y-Cable/ Hook 15 ft. **44** = Y-Cable/ Hook 20 ft. See Mounting & Accessories **NOTE:** *Temperature rating reduced by 5° C	**K** = Knock out access **A** = 6 ft. 18-3 cord **B** = 12 ft. 18-3 cord	**N** = None **A** = 15A straight plug **B** = 20A straight plug **C** = 15A twist lock plug **D** = 20A twist lock plug	**W** = White Powder Coat	**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	MAXIMUM AMBIENT TEMPERATURE
1	T	9000	9170	67	72	137	127	55°C
1	V	12080	12310	95	102	130	121	55°C
1	E	17200	17200	153	150	112	114	40°C
2	T	18000	18340	134	144	137	127	55°C
2	V	24160	24620	190	204	130	121	55°C

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

OPTICS BEAM	% OUTPUT
120° (1)	100%
55° (5)	93%
90° (9)	99%
120° Diffused (D)	99%

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