

Albeo™ LED Luminaire

LED High Bay Lighting
(ABV3 - Series)



Project name _____

Date _____

Type _____

Product Description:

The Albeo™ ABV3 LED luminaire is an exceptional mixture of value and performance. Ideal for high bay and low bay applications in industrial and commercial buildings. Designed to replace 150W-1500W HID and four-to-eight-lamp T5/T8 HIF fixtures with unmatched reliability and quality.

Performance Highlights:

Light Output Range: 6,500 – 60,000 lumens

CRI: 70 & 80 CRI (90CRI Refer to factory for lead-time)

CCT: 3000K, 3500K, 4000K, 5000K

Distributions: 120°, 90°, 55°, 30° diffused & clear lens options

Input Voltage: 120V-277V, 347V, & 480V

Efficiency: Up to 200 LPW

Fixture Rated: L70 @ 100,000 hours minimum

Limited Warranty: 5 Years

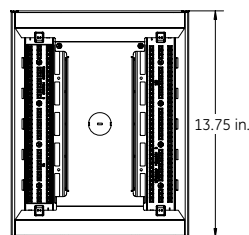
Temperature Rating: -30°C to +55°C (-22°F to 131°F)

Controls & Sensors: 0-10V standard, Motion & daylight sensor options. Wireless ZigBee Daintree compliant options.

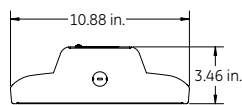


Product Dimensions:

9T, 9H, 12T, 12H, &
18T Output 1S-Module

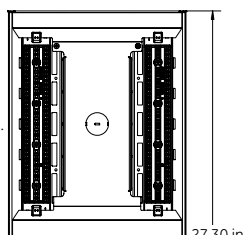


Max. Weight: 10 lbs.



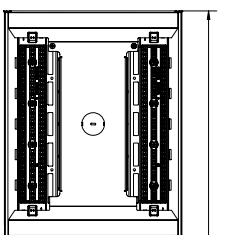
Side View

36T & 36H Output
2S-Module



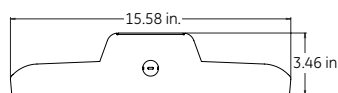
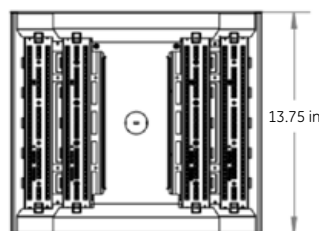
Max. Weight: 20 lbs.

48T & 48H Output
3S-Module



Max. Weight: 30 lbs.

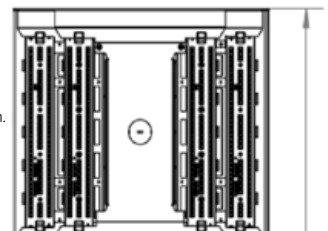
18H, 24T, & 24H Output
1D-Module



Side View

Max. Weight: 11 lbs.

60T & 60H Output
2D-Module



Max. Weight: 22 lbs.

Certifications:



current
powered by GE



Ordering Number Logic

Industrial High Bay & Low Bay Lighting

(ABV3-Series)



Project name _____
Date _____
Type _____

ABV3

W

PRODUCT ID	VOLTAGE	LUMEN OUTPUT	PERFORMANCE LEVEL	LED COLOR TEMP	OPTICS/ LENS	SENSOR/ WIRELESS	CONTROL WIRING	MOUNTING	CORD	PLUG	FINISH	OPTIONS
ABV3 = Albeo Highbay ABV 3rd Gen	0 = 120/277 1 = 120* 2 = 208* 3 = 240* 4 = 277* 5 = 480* D = 347*	09 = 9,000 12 = 12,000 18 = 18,000 24 = 24,000 36 = 36,000 48 = 48,000 60 = 60,000	T = Standard Efficiency H = High Performance	70 Plus CRI 47 = 4000K 57 = 5000K 80 Plus CRI 38 = 3000K C8 = 3500K 48 = 4000K 58 = 5000K 90 Plus CRI 49 = 4000K C9 = 3500K	Open Optic Max. Efficiency 10 = 120° No Lens 90 = 90° No Lens Clear Lens: Moderate Glare Reduction 1C = 120° Clear Lens 9C = 90° Clear Lens 5C = 55° Clear Lens 3C = 30° Clear Lens Diffused Lens: Maximum Glare Reduction 1D = 120° Diffused Lens 9D = 90° Diffused Lens 5D = 55° Diffused Lens 3D = 30° Diffused Lens	Q = None A = Occ Sense On/Off 360° LSXR B = Occ Sense High-Low Dimming 360° LSXR P = Daylight Sense w/ Occupancy On/Off LSXR Full Featured 2 = Motion Sensor w/ Daylight, High-Low Dimming, and IR Remote Adjustable (IR remote sold separately to modify default settings) ZigBee Wireless Daintree™ 4 = Wireless ZigBee Daintree™ Enabled w/ Motion Sensor T = Wireless ZigBee Daintree™ Enabled (no sensor)	V = 0-10V Control Wires Q = None/ No External Control Wiring Note: V option not available with dimming and ZigBee sensors	ST = Standard 22 = 1/2" Threaded rod mount kit <u>Rod and nuts not included</u> SM = Surface Mount <u>Hardware not included</u> 23 = 3/4" Pendant Mount Kit <u>3/4" conduit not included</u> 41 = Y-Cable/ Hook 5 ft. 42 = Y-Cable/ Hook 10 ft. 43 = Y-Cable/ Hook 15 ft. 44 = Y-Cable/ Hook 20 ft.	K = Knockout A = 6 ft. 18ga cord B = 12 ft. 18ga cord C = 15 ft. 18ga cord D = 20 ft. 18ga cord J = 30ft 18ga cord F = 10ft Reloc G = 15ft Reloc M = 3ft Plug & Go H = 10ft Plug & Go	Q = None A = 15A straight plug B = 20A straight plug C = 15A twist lock plug D = 20A twist lock plug S = Reloc OCS (use cord F or G) F = Plug & Go (use cord M or H)	W = White Powder Coat	Blank = No Special Options 1PK = Single Pack for distributor stocking. Default is Job Pack. EL1 = 120° Battery Backup* EL5 = 50° Battery Backup* *Battery Backup not available for 347V/480V

LUMEN PACKAGE	OUTPUT LEVEL	70 CRI @ 4000K OR 5000K CCT				MODULE BODY
		TYPICAL DELIVERED LUMENS	TYPICAL POWER		TYPICAL LPW 120-277V	
			120-277V	347/480V		
09	T	9,000	50	52	180	1S
09	H	9,000	46	48	196	1S
12	T	11,900	68	70	175	1S
12	H	11,900	61	63	195	1S
18	T	17,600	109	110	161	1S
18	H	17,600	88	91	200	1D
24	T	23,400	137	139	171	1D
24	H	23,400	122	124	192	1D
36	T	35,500	221	222	160	2S
36	H	35,500	190	194	187	2S
48	T	47,400	284	291	167	3S
48	H	47,400	248	257	191	3S
60	T*	58,500	360	367	163	2D
60	H	58,500	314	323	186	2D

*All packages are 55°C rated with the exception of 60T which is 45°C ambient max rated

CRI	CCT	T OUTPUT	H OUTPUT
70	5000K	100%	100%
	4000K	100%	100%
80	5000K	95%	98%
	4000K	92%	92%
	3500K	90%	92%
	3000K	87%	92%
90	4000K	81%	79%

OPTIC CODE	OPTIC DESCRIPTION	OUTPUT
1Q	120° No Lens	100%
9Q	90° No Lens	98%
1C	120° Clear Lens	98%
9C	90° Clear Lens	96%
5C	55° Clear Lens	96%
3C	30° Clear Lens	97%
1D	120° Diffused Lens	93%
9D	90° Diffused Lens	91%
5D	55° Diffused Lens	92%
3D	30° Diffused Lens	95%

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LED & Optical Assembly

CRI: 70 & 80 Standard (90 contact factory for lead-time)

Rated Lumen Depreciation: L70 @ 100,000 hrs

TM-21 Calculation at 25°C: L70 @ 250,000 hrs minimum

L90 @ 65,000 hrs minimum

Distribution/Lenses:

90, 120 degrees no lens standard (most efficient)

30, 55, 90, 120 degrees w/clear lens optional

30, 55, 90, 120 degrees w/diffused lens optional

Wire Guard Option – WG1 for added fixture protection. Ships separately for ease of fixture install. Easily field installable.

Electrical

Input Voltage: 120-277V, 347V or 480V

Input Frequency: 50/60Hz

System Power Factor (PF): >0.9*

Total Harmonic Distortion (THD): <20%*

LED Driver Type: Class 1, 3kV surge protection

EMI: FCC CFR Title 47 Part 15, Class A

* PF and THD may vary with options

Ratings & Evaluations

Operating Temperature: -30°C to +55°C (-22°F to 131°F).

Storage Temperature: -40°C to +70°C

Surge Protection: 3kV driver surge protection

Location: UL 1598 Suitable for Damp Locations

Safety: UL/cUL Listed 

Environmental: RoHS compliant

Utility: DLC Premium on all 70CRI options & select 80CRI options. DLC Premium on all H Output options.

Meets DLC Standard on all CRI versions
Please refer to:

<http://www.designlights.org/QPL>
for complete information.



Construction & Finish

Housing: Combination steel and aluminum

Lensing: Polycarbonate diffused, acrylic clear

Reflector: White highly reflective polycarbonate

Paint: Powercoat Painted Housing

No glass in housing or lenses

Weight: 10-11lbs per module (see dimensional drawings)

Controls

Standard Dimming: 0-10VDC

Minimum Dimming: Dim down to 10%

Wireless Networking & Sensing:

ZigBee Wireless Daintree with Occ Sensor – Sensor 4

ZigBee Wireless Daintree with No Sensor – Sensor T

Enlighted Sensor – Sensor 5

Wattstopper FSP Series Motion + daylight + IR config (IR remote sold separately) – Sensor 2

Wattstopper FSP remote = SKU# SWI0100

Sensor Switch LSX LSXR Series - Sensor A, B, P, or S

Mounting

Typical Mounting: Standard Chain/Cable mount ready Threaded rod kit, 3/4" pendant mount kit, and surface mount* optional.

*Max. temperature rating reduced by 5°C

Cord & Plugs:

Standard = knockout access (no cord, no plug)

6ft, 12ft, 15ft, 20ft, 30ft Cord options

15A, 20A, Straight or twist lock plug – Plug A,B,C, or D

Reloc OCS Cord and Plug – Cord-Plug FS or GS

PlugNGo Plug - Cord-plug MF or HF

Accessories, Options & Packaging

Optional Emergency Battery: Provides 90-minutes of Emergency lighting. Design lumen output: 1650-1750lm. Fully independent LED system that does not degrade performance or ratings of the fixture. 120-277V Only Ships separately from fixture to avoid shipping damage.

Standalone EMBB: Order as field installed aftermarket or standalone solution for emergency Lighting. 2lbs
SKU# 93059499 - ASM2430 50° beam 1750lm
SKU# 93059499 - ASM2429 120° beam 1650lm

Packaging: Standard packaging is job pack / bulk pack consisting of 1 to 3 fixtures per package reducing unpack time at the jobsite.

Single Pack (for stocking) – Option 1PK

Design Life & Warranty

- **Reliability Testing:** Fixture components designed to exceed 100,000 hrs. of operation. Complete system evaluated at extreme conditions and monitored during production.
- **System Warranty:** 5 Year

current
powered by GE

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