ARBAY2-145N/PIR/8CP



Economical linear high bay delivers versatility and ultra-high efficiency. Available in 8 wattages and three sizes, for mounting heights ranging from 15 to 60 feet. Patent pending, retractable design reduces volume by up to 60% to save valuable shelf and storage space.

Color: White

Weight: 13.9 lbs

Project:	**Type:**
Prepared By:	**Date:**

Driver Info

Type	Constant Current
120V	1.22A
208V	N/A
240V	N/A
277V	N/A
Input Watts	144.8W

LED Info

Watts	145W
Color Temp	4000K (Neutral)
Color Accuracy	84 CRI
L70 Lifespan	100,000 Hours
Lumens	20,642 lm
Efficacy	142.6

Technical Specifications

Compliance

UL Listed:
Suitable for damp locations

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

DLC Listed:
This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.
DLC Product Code: PFBXC1BG

Performance

Lifespan:
100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

LED Characteristics

LEDs:
Multi-chip, high-output, long-life LEDs

Color Uniformity:
RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Construction

Operating Temperature:
-20°C (-4°F) to 50°C (122°F)

Housing:
22 gauge die formed with white powder coat finish. Y Hooks included for easy chain or cable mounting.

Reflector:
White painted, reflective, die formed painted steel

Lens:
Polycarbonate lens

Mounting:
V hooks and optional pendant mounting. AEROBAY® comes with two 42" chains.

Cord & Plug:
8 ft cord and NEMA L5-15P straight blade plug for 120V only.

Finish:
Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color

Green Technology:
Mercury and UV free. RoHS-compliant components.

Electrical

Driver:
Class 2, Constant Current, 120-277V, 50/60 Hz, 120V: 1.22A, 208V: 0.71A, 240V: 0.62A, 277V: 0.53A

THD:
3.95% at 120V, 6.75% at 277V

Power Factor:
99.9% at 120V, 96.9% at 277V

Surge Protection:
2.5kV
For areas prone to surges, upgrade to 10kV surge protection available

Other

Replacement:
Replaces 8-lamp T8, 6-lamp T5HO, or 400W MH

5 Yr Limited Warranty:
The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

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Technical Specifications (continued)

Buy American Act Compliance:
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Sensor Specifications

Passive Infrared Occupancy and Daylight Sensor:
PIR sensor with IR remote capability. High/Low bay passive infrared occupancy and daylight sensor.

UL Listed:
Indoor use only

Operating Temperature:
32°F to 158°F (0°C to 70°C)

Operating Humidity:
5% to 96%, noncondensing

Line Voltage:
LineVage for direct connection to load

Voltage:
120, 277, 347V, 60Hz or 230V, single phase, 50Hz operation

Power Consumption:
0.2W

Maximum Versatility:
Adjustable time delay and sensitivity
Adjustable hold-off daylighting level

Weight:
6.4 oz (181 g)

Hardware:
UL listed snap-in mounting hardware

Mounting:
Easy mounting using knockout at end of linear high bay luminaire

Lens:
Lens (attached) designed for mounting heights from 15 to 40 ft

Rotatable Mask:
Snap-on rotatable mask for aisleway applications (included)

Coverage:
Covers a 100-foot diameter area whem mounted at height of 40 ft

Factory Default:
15 minutes time delay
Max sensitivity
300 footcandle light level

Handheld Wireless Configuration Tool:
Adjust settings using handheld wireless configuration tool (catalog# WSREM). Only available with 0-10V dimming driver options. Handheld wireless configuration tool available here.

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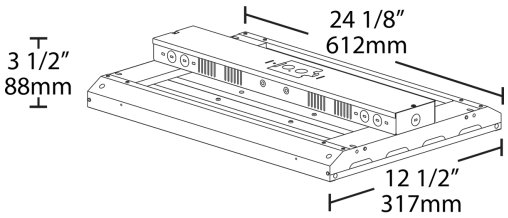
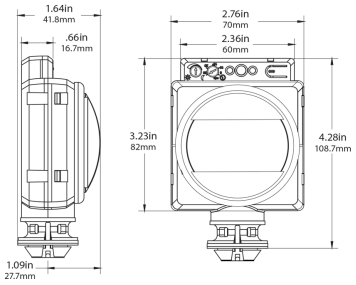
Dimensions



Pir Sensor



Features

- High efficiency. Low price.
- Ideal for industrial warehouse spaces
- 100,000 hour LED lifespan
- 5-Year, limited warranty

Coverage Pattern

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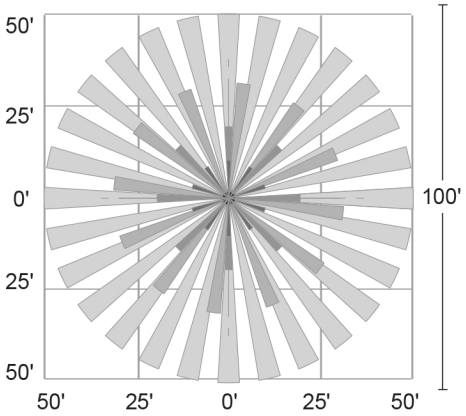
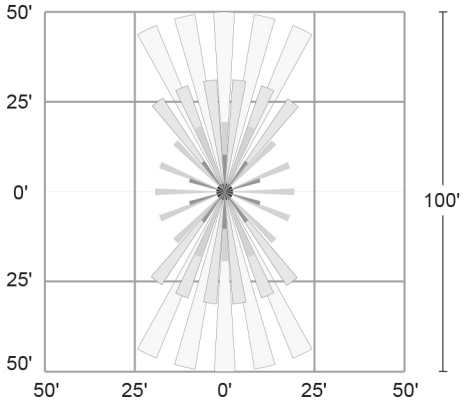
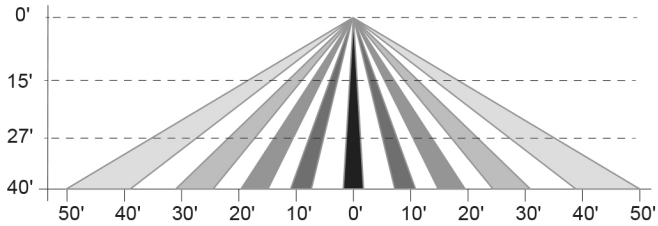
Coverage Pattern



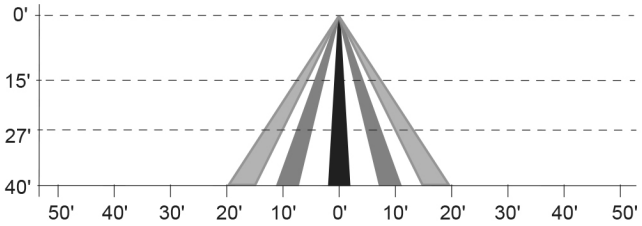
Top coverage pattern



Top coverage pattern with mask



Side coverage pattern



Side coverage pattern with mask

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Ordering Matrix

Family	Length		Wattage	Color Temp	Voltage	Control Options	Emergency Options	Other Options
ARBAY	2	–	145	N		/PIR		/8CP
	2 = 2 ft		**95 =** 95W **120 =** 120W **145 =** 145W **160 =** 160W	**Blank =** 5000K Cool **N =** 4000K Neutral	**Blank =** 120-277V, 0-10V Dimming **/480 =** 480V, 0-10V Dimming	**/LC =** Lightcloud Controller **/LCS =** 120-277V, Lightcloud Motion Sensor **/PIR =** 120-277V, Passive Infrared Occupancy Sensor **Blank =** No Options	**Blank =** No Options **/E2 =** 120-277V, Battery [1]	**Blank =** No Options **/SP10 =** 10kV Surge Protection **/8C =** 8' Cord only [2] **/8CP =** 8' Cord, Straight Blade Plug 120V, NEMA 5-15P [3] **/8CP2 =** 8' Cord, Straight Blade Plug 277V, NEMA 7-15P [3] **/8CPT =** 8' Cord, Twistlock Plug 120V, NEMA L5-15P [3] **/8CPT2 =** 8' Cord, Twistlock Plug 277V, NEMA L7-15P [3] **/8CPT4 =** 8' Cord, Twistlock Plug 480V, NEMA L8-20P [3]

[1] *For battery backup models with cord and plug dimming is not possible*
[2] *For cord only (8C) models, a 5 conductor cable will be used to make dimming possible*
[3] *For cord and plug (8CP, 8CP2, 8CPT, 8CPT2, 8CPT4) models 0-10V dimming is not possible*

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