ARBAY2-145/PIR/E2/8CPT

RAB | Indoor

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: 12.8 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	146.80W
Efficiency	99%

LED Info

Watts	145.00W
Color Temp	5000K (Cool)
Color Accuracy	85 CRI
L70 Lifespan	100,000
Lumens	19,939
Efficacy	135.8 LPW

Technical Specifications

Listings

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.DLC Product Code: PVEURW04

LED Characteristics

Lifespan:

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

LEDs:

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

Color Uniformity:

RAB's range of CCT (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) - 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 twistlock 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:

5.1% at 120V, 7.6% at 277V

Power Factor:

99.9% at 120V, 96.9% at 277V

Battery Backup:

Emergency battery backup will operate the fixture for 90 minutes if power fails. Wired for 120-277V.

Surge Protection:

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

Technical Specifications (continued)

Other

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.

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:

Line Voltage 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 feet

Rotatable Mask:

Snap-on rotatable mask for aisleway applications (included)

Coverage:

Covers a 100-foot diameter area whem mounted at height of 40 feet
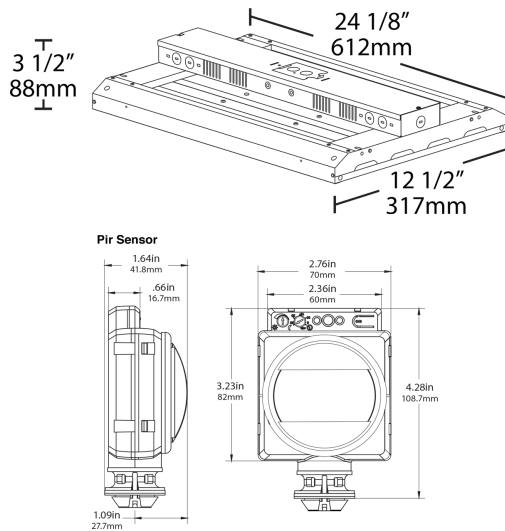
Factory Default:

15 minutes time delay
Max sensitivity
300 footcandle light level

Handheld Wireless Configuration Tool:

Adjust settings using handheld wireless configuration tool. Only available with 0-10V dimming driver options. Handheld wireless configuration tool available here.
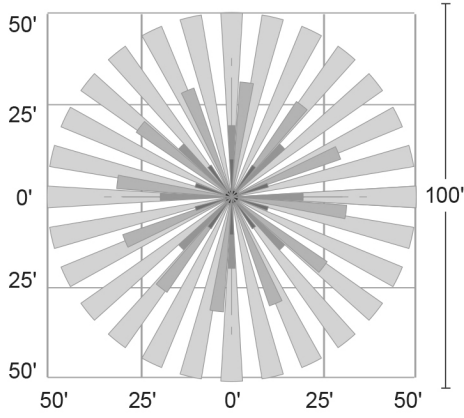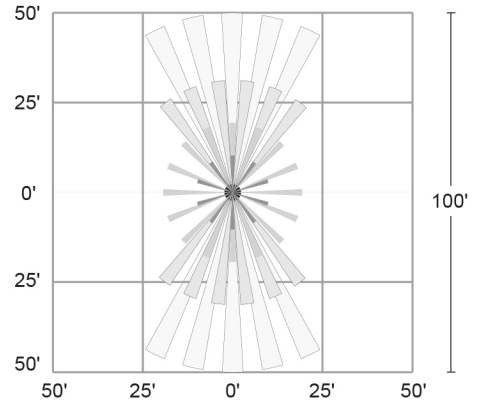
Dimensions

Features

High efficiency. Low price.

Ideal for industrial warehouse spaces

100,000 hour LED lifespan

5-Year, Limited Warranty

Coverage Pattern

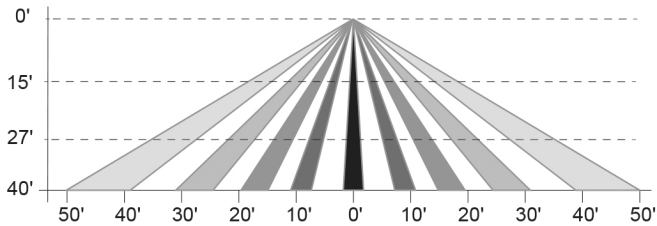## Coverage Pattern

Top coverage pattern

Top coverage pattern with mask

Side coverage pattern

Side coverage pattern with mask

Need help? Tech help line: **(888) 722-1000** Email: **custserv@rablighting.com** Website: **www.rablighting.com**

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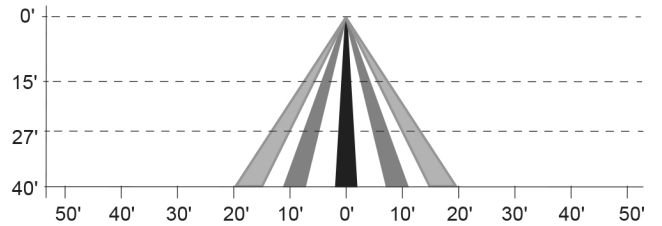
Ordering Matrix

Family	Length		Wattage	Color Temp	Voltage	Control Options	Emergency Options	Other Options
ARBAY	2	–	145			/PIR	/E2	/8CPT
	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	**Blank =** No Options **/PIR =** 120-277V, Passive Infrared Occupancy Sensor **/LC =** 120-277V, Lightcloud Control **/LCS =** 120-277V, Lightcloud Motion Sensor	**Blank =** No Options **/E2 =** 120-277V, Emergency 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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