ARBAY2-160/PIR



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: 13.8 lbs

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

Driver Info

Type	Constant Current
120V	1.32A
208V	0.77A
240V	0.67A
277V	0.58A
Input Watts	159.5W

LED Info

Watts	160W
Color Temp	5000K (Cool)
Color Accuracy	83 CRI
L70 Lifespan	100,000 Hours
Lumens	23,276 lm
Efficacy	145.9

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: P0QH55ZN

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.

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: 1.32A, 208V: 0.77A, 240V: 0.67A, 277V: 0.58A

THD:
3.84% at 120V, 6.36% at 277V

Power Factor:
99.9% at 120V, 97.2% 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)

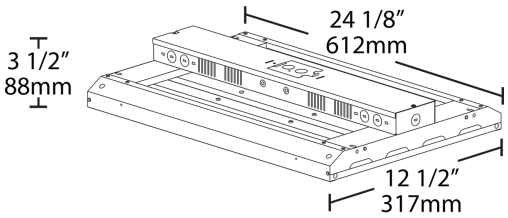
Coverage:
Covers a 100-foot diameter area whem mounted at height of 40 ft

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

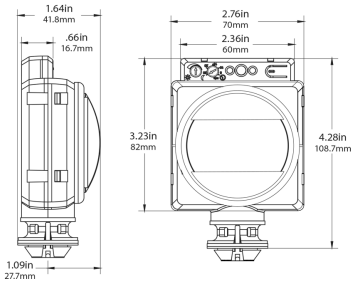
Handheld Wireless Configuration Tool:
Adjust settings using handheld wireless configuration tool (catalog# WSREM). Only available with 0-10V dimming driver options. Handheld wireless configuration tool available here.

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Dimensions



Pir Sensor



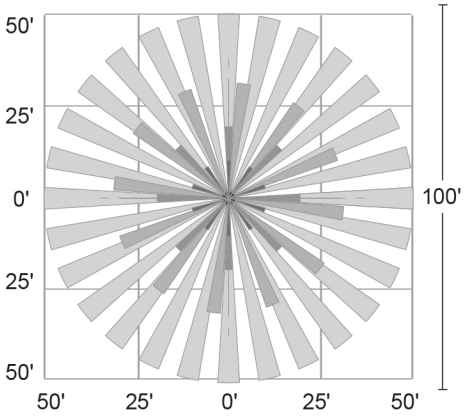
Features

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

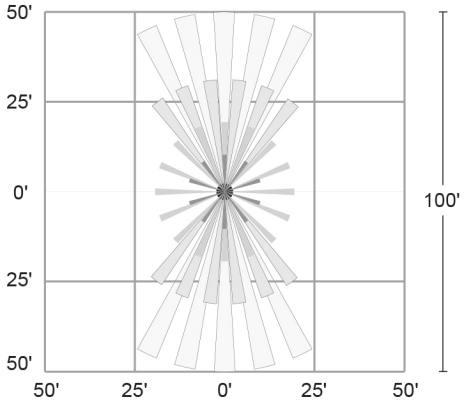
Coverage Pattern

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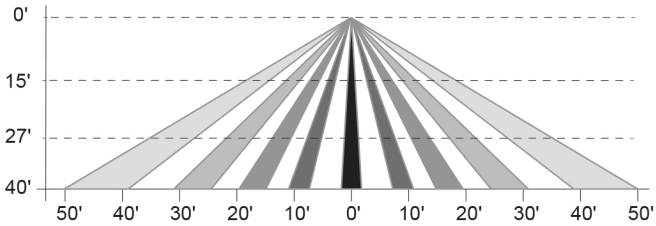
Coverage Pattern



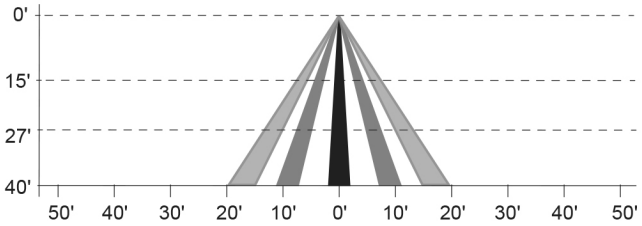
Top coverage pattern



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	–	160			/PIR		
	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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