

<b>Project:</b>	<b>Type:</b>
<b>Prepared By:</b>	<b>Date:</b>

Driver Info		LED Info	
Type	Constant Current	Watts	120W
120V	0.97A	Color Temp	5000K (Cool)
208V	N/A	Color Accuracy	83 CRI
240V	N/A	L70 Lifespan	100,000 Hours
277V	N/A	Lumens	16,820 lm
Input Watts	114.5W	Efficacy	146.9

## Technical Specifications

### Compliance

#### UL Listed:

Suitable for damp locations

#### 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: P2EZA0YC

### 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 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: 0.97A, 208V: 0.57A, 240V: 0.49A, 277V: 0.42A

#### THD:

4.75% at 120V, 7.64% at 277V

#### Power Factor:

99.9% at 120V, 95.5% at 277V

#### Surge Protection:

2.5kV

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

### Other

#### Replacement:

Replaces 6-lamp T8, 4-lamp T5HO, or 250W 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](http://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.

**Technical Specifications (continued)****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 feet

**Rotatable Mask:**

Snap-on rotatable mask for aisleway applications (included)

**Coverage:**

Covers a 100-foot diameter area when mounted at height of 40 feet

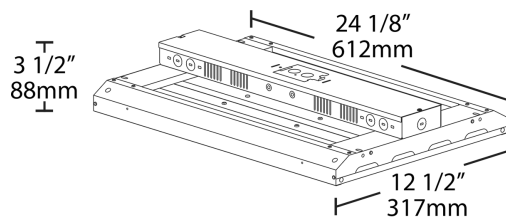
**Factory Default:**

15 minutes time delay  
Max sensitivity  
300 footcandle light level

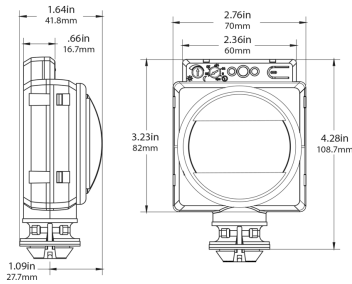
**Handheld Wireless Configuration Tool:**

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

## Dimensions



### Pir Sensor

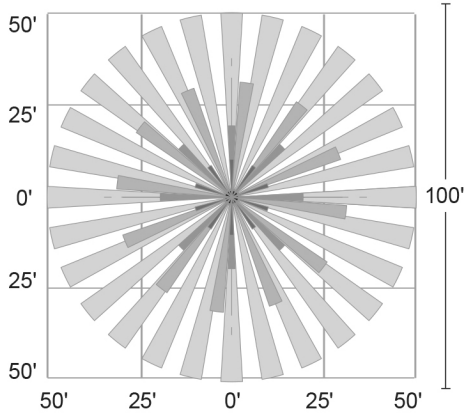


## Features

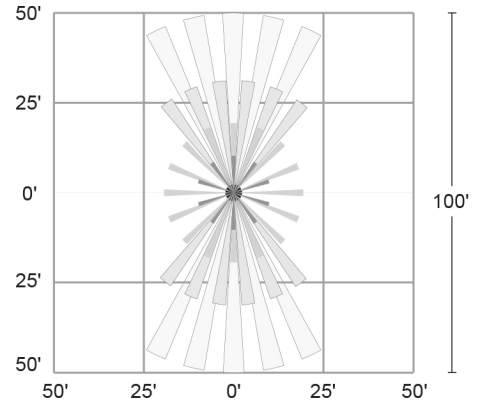
- High efficiency. Low price.
- Ideal for industrial warehouse spaces
- 100,000 hour LED lifespan
- 5-Year, limited warranty

## Coverage Pattern

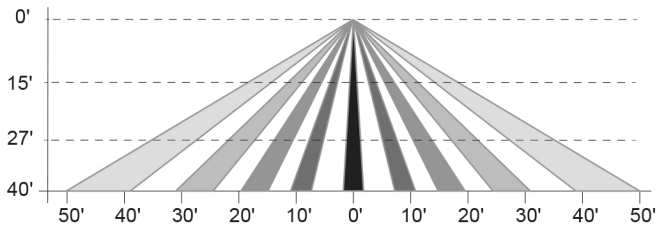
Coverage Pattern



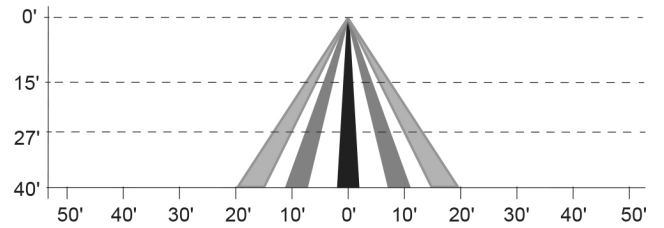
Top coverage pattern



Top coverage pattern with mask



Side coverage pattern



Side coverage pattern with mask

## Ordering Matrix

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

<sup>1</sup> For battery backup models with cord and plug dimming is not possible

<sup>2</sup> For cord only (8C) models, a 5 conductor cable will be used to make dimming possible

<sup>3</sup> For cord and plug (8CP, 8CP2, 8CPT, 8CPT2, 8CPT4) models 0-10V dimming is not possible