



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

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

| Driver Info |                  | LED Info       |              |
|-------------|------------------|----------------|--------------|
| Type        | Constant Current | Watts          | 120.00W      |
| 120V        | 0.97A            | Color Temp     | 5000K (Cool) |
| 208V        | 0.57A            | Color Accuracy | 85 CRI       |
| 240V        | 0.49A            | L70 Lifespan   | 100,000      |
| 277V        | 0.42A            | Lumens         | 16,039       |
| Input Watts | 116.60W          | Efficacy       | 137.6 LPW    |
| Efficiency  | N/A              |                |              |

## 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: P2EZA0YC

### 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.

#### 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:

4.9% at 120V, 7.9% at 277V

#### Power Factor:

99.9% at 120V, 95.6% at 277V

#### Battery Backup:

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

#### Surge Protection:

10kV

### 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](http://rablighting.com/warranty).

## Technical Specifications (continued)

### Other

#### 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 when mounted at height of 40 feet

#### Factory Default:

15 minutes time delay  
Max sensitivity  
300 footcandle light level

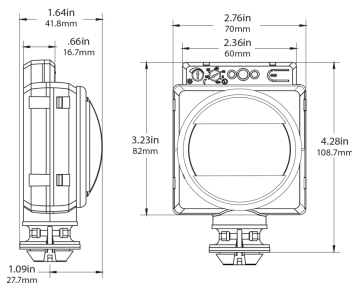
#### Handheld Wireless Configuration Tool:

Adjust settings using handheld wireless configuration tool. 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  | /E2  | /SP10   |
|        | 2 = 2 ft. | 95 = 95W<br>120 = 120W<br>145 = 145W<br>160 = 160W | Blank = 5000K (Cool)<br>N = 4000K (Neutral) | Blank = 120-277V, 0-10V Dimming<br>/480 = 480V, 0-10V Dimming | Blank = No Options<br>/PIR = 120-277V, Passive Infrared Occupancy Sensor<br>/LC = 120-277V, Lightcloud Control<br>/LCS = 120-277V, Lightcloud Motion Sensor | Blank = No Options<br>/E2 = 120-277V, Emergency Battery <sup>1</sup> | Blank = No Options<br>/SP10 = 10kV Surge Protection<br>/8C = 8' Cord only <sup>2</sup><br>/8CP = 8' Cord, Straight Blade Plug 120V, NEMA 5-15P <sup>3</sup><br>/8CP2 = 8' Cord, Straight Blade Plug 277V, NEMA 7-15P <sup>3</sup><br>/8CPT = 8' Cord, Twistlock Plug 120V, NEMA L5-15P <sup>3</sup><br>/8CPT2 = 8' Cord, Twistlock Plug 277V, NEMA L7-15P <sup>3</sup><br>/8CPT4 = 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