



Project:	Туре:
Prepared By:	Date:

Driver Info	)	LED Info		
Type	Constant Current	Watts	120W	
120V	N/A	Color Temp	4000K (Neutral)	
208V	0.57A	Color Accuracy	84 CRI	
240V	0.49A	L70 Lifespan	100,000 Hours	
277V	0.42A	Lumens	16,298 lm	
Input Watts	112.9W	Efficacy	144.4	

# **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: PMQ3SJXB

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

## THD:

7.31% at 480V

## **Power Factor:**

98.1% at 480V

### **Battery Backup:**

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

### **Battery Backup Light Loss Factor:**

0.222

### **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 <u>rablighting.com/warranty.</u>

# ARBAY2-120N/PIR/E2/8CP2



# **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 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:**

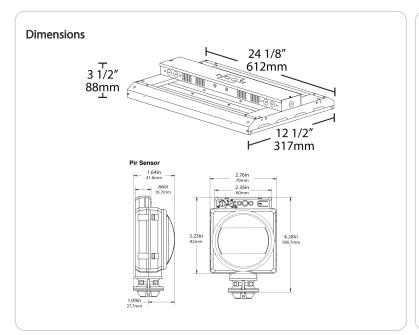
15 minutes time delay Max sensitivity 300 footcandle light level

## **Handheld Wireless Configuration Tool:**

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

# ARBAY2-120N/PIR/E2/8CP2





# Features

High efficiency. Low price.

Ideal for industrial warehouse spaces

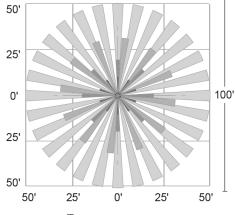
100,000 hour LED lifespan

5-Year, limited warranty

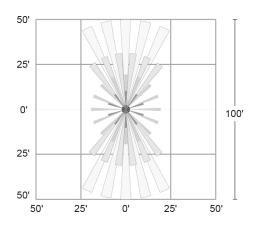
# **Coverage Pattern**



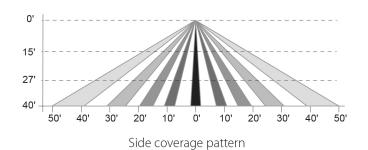
# **Coverage Pattern**



Top coverage pattern



Top coverage pattern with mask





Ordering Matrix										
Family	Length	Wattage	Color Temp	Voltage	Control Options	Emergency Options	Other Options			
ARBAY	2 -	- 120	N		/PIR	/E2	/8CP2			
	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 = Lightcloud® Control /LCS = 120-277V, Lightcloud® Motion Sensor	Blank = No Options /E2 = 120-277V, Battery	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 277V, NEMA L7-15P 3' /8CPT4 = 8' Cord, Twistlock Plug 480V, NEMA L8-20P 3'			
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										