



The ultra-economy RBAY17 high bay is offered in 3 sizes with field-adjustable wattage and CCT to give you 9 SKUs in 1.

Color: White

Weight: 5.6 lbs

Project:	Type:
Prepared By:	Date:

Driver Info	LED Info		
Type	Constant Current	Watts	130/100/80W
120V	1.06A/0.83A/0.68A	Color Temp	Field Adjustable 3500/4000/5000K
208V	0.61A/0.48A/0.39A	Color Accuracy	82-85 CRI
240V	0.53A/0.42A/0.34A	L70 Lifespan	100,000 Hours
277V	0.46A/0.36A/0.29A	Lumens	12,506-19,432 lm
Input Watts	130/100/80W	Efficacy	149.3-153.4 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:

Field Adjustable Light Output:  
130W/100W/80W (factory default 130W)  
Color temperature selectable by 5000K, 4000K and 3500K (factory default 4000K)

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.

IP Rating:

IP20

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: S-ZU7Y5J

LED Characteristics

LEDs:

Long-life, high-efficacy, discrete, surface-mount 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.

Performance

Lifespan:

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

Wattage Equivalency:

Equivalent to 400W Metal Halide

Electrical

Driver:

130W: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 1.06A, 208V: 0.63A, 240V: 0.54A, 277V 0.47A  
100W: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 0.82A, 208V: 0.48A, 240V: 0.42A, 277V 0.36A  
80: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 0.66A, 208V: 0.38A, 240V: 0.33A, 277V 0.29A

Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:

5.01% at 120V, 8.0% at 277V

Power Factor:

99.6% at 120V, 91.8% at 277V

Surge Protection:

L-N: 6kV  
L/N-GND: 6kV

Construction

Cold Weather Starting:

The minimum starting temperature is -20°C (-4°F)

Ambient Temperature :

Max Power Temp Rating: 50°C (122°F)  
Middle Power Temp Rating: 57°C (135°F)  
Low Power Temp Rating: 63°C (145°F)

Lens:

Polycarbonate lens

Reflector:

Polycarbonate

Housing:

Die-cast aluminum

Cord & Plug:

8 ft cord and NEMA 7-15P plug for 277V only

Green Technology:

Mercury and UV free. RoHS-compliant components.

## Technical Specifications (continued)

### Installation

#### Mounting:

Comes standard with V-hooks for chain mounting. Accessories available for pendant and surface mounting ([purchased separately](#)).

### Lightcloud

#### Lightcloud:

Lightcloud Blue is a Bluetooth mesh wireless lighting control system that allows you to control RAB's various compatible devices. With RAB's patent-pending Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and large commercial applications using the Lightcloud Blue mobile app. Each device in a system can communicate with any other device, eliminating the need for a Gateway or Hub and maximizing the control system's reach.

DLC system - N1XMLOEATBA

[Learn more at www.lightcloud.com](http://www.lightcloud.com)

#### Gateway Required:

No

#### Communication Protocol:

Bluetooth Mesh

#### Range:

Up to 60 ft between standard building materials. Building materials such as brick, concrete, and steel construction may require additional Lightcloud Blue devices to extend around an obstruction. Up to 200 ft clear line of sight (varies by device).

#### Spacing Criteria:

Lightcloud Blue devices should be placed within the specified range to communicate within the Bluetooth Mesh network.

#### Factory Reset:

Method 1: Delete from App

Open the app and access the device settings for the paired device. Be sure that the device is online and select 'Delete'.

Method 2: Rapid Reset Tool

The Rapid Reset process must be done by a professional electrician qualified by RAB. Reach out to your RAB sales manager to request a Rapid Reset Tool. The tool simply needs to be placed directly on the side of the device for 2s or until the fixture flashes 3x, then resets to 100% brightness.

#### Input Voltage:

12VDC

#### Operating Frequency:

50/60Hz

#### Input Current @ 12V (mA):

30mA

#### Operating Temperature:

-40°F to 140°F (-20°C to 60°C)

#### Dimming:

Yes, when connected to a compatible 0-10V driver

#### Mounting Height:

40 ft

#### Detection Range:

40 ft diameter mounted at 40 ft

#### Sensor:

Passive Infrared (PIR)

#### Default Setting:

Uncommissioned State:

Motion Sensitivity: High

Brightness when triggered: 100%

Hold time: 1 minute

Standby to dim: 20%

Standby time: 1 minute

When vacant: Off

Commissioned State:

Motion Sensitivity: High

Brightness when triggered: Last on status

Hold time: 20 minutes

When vacant: Off

#### Occupied Actions:

On or On at a Dim Level

#### Vacant Options:

Off or On at a Dim Level

#### Occupancy Timeout:

1 minute to 240 minutes

#### Daylight Sensing:

The sensor will determine to trigger the light(s) on or not based on the daylight threshold level set in the Lightcloud Blue mobile app.

#### Environment:

Suitable for dry, damp, or wet environments in indoor applications

#### IP Rating:

IP65

### Sensor Settings

#### Remote Control Accessory:

Adjust settings using remote control (catalog# MSR1). Only available with 0-10V dimming driver options. [Remote control available here](#).

### Other

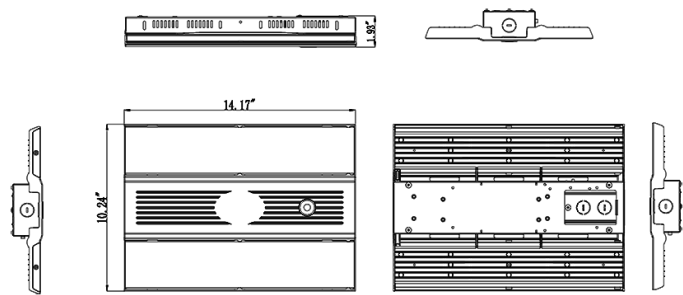
#### 5 Yr Limited Warranty:

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).

#### 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.

Dimensions



Features

- 100,000-Hour LED lifespan
- DLC Premium Listed
- 0-10V dimming, standard
- 5-Year, limited warranty

Ordering Matrix

Family	Size/Wattage	Color Temp	Mounting	Finish	Driver	Options
RBAY17	S					/LCBS/8CP2
	<b>M</b> = 20" (260/220/160W) <b>L</b> = 39" (400/320/260W) <b>S</b> = 14" (130/100/80W)	<b>Blank</b> = 3500/4000/5000K	<b>Blank</b> = V-Hook/Chain	<b>Blank</b> = White	<b>Blank</b> = 120-277V, 0-10V Dimming <b>/480</b> = 480V, 0-10V Dimming	<b>/E/8CPT4</b> = Battery Backup w/8' Cord & 480V Plug <b>/E/8CP2</b> = Battery Backup w/8' Cord & 277V Plug <b>/E/8CP</b> = Battery Backup w/8' Cord & 120V Plug <b>/E/8C</b> = Battery Backup w/8' Cord <b>/8CPT4</b> = 8' Cord & 480V Plug <b>/8CP2</b> = 8' Cord & 277V Plug <b>/8CP</b> = 8' Cord & 120V Plug <b>/8C</b> = 8' Cord <b>/LCBS/E</b> = Lightcloud Blue w/PIR Sensor and Battery Back Up <b>/LCBS</b> = Lightcloud Blue w/PIR Sensor <b>/E</b> = Battery Backup <sup>1</sup> <b>Blank</b> = No Option

<sup>1</sup> Available only for 120-277V models