RBAY17L/LCBS/E

RAB

Project:	Type:
Prepared By:	Date:

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: 17.9 lbs

Driver Info

Type	Constant Current
120V	3.42A/2.67A/2.17A
208V	1.92A/1.54A/1.25A
240V	1.67A/1.33A/1.08A
277V	1.45A/1.16A/0.94A
Input Watts	400/320/260W

LED Info

Watts	400/320/260W
Color Temp	Field Adjustable 3500/4000/5000K
Color Accuracy	82-84 CRI
L70 Lifespan	100,000 Hours
Lumens	40,105-59,933 lm
Efficacy	151.4-149.1 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:
Field Adjustable Light Output:
400W/320W/260W (factory default 400W)
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-7C523X

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 1000W Metal Halide

Electrical

Driver:
400W: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 3.42A, 208V: 1.92A, 240V: 1.67A, 277V 1.45A
320W: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 2.66A, 208V: 1.54A, 240V: 1.33A, 277V 1.16A
260W: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 2.20A, 208V: 1.25A, 240V: 1.08A, 277V 0.94A

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

THD:
4.75% at 120V, 6.1% at 277V

Power Factor:
99.9% at 120V, 98.% at 277V

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

Battery Backup Light Loss Factor:
0.13

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

Construction

Cold Weather Starting:
The minimum starting temperature is 0°C (32°F)

Maximum Ambient Temperature:
Suitable for use in up to 60°C (140°F)

Lens:
Polycarbonate lens

Reflector:
Polycarbonate

Technical Specifications (continued)

Housing:
Die-cast aluminum

Green Technology:
Mercury and UV free. RoHS-compliant components.

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

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
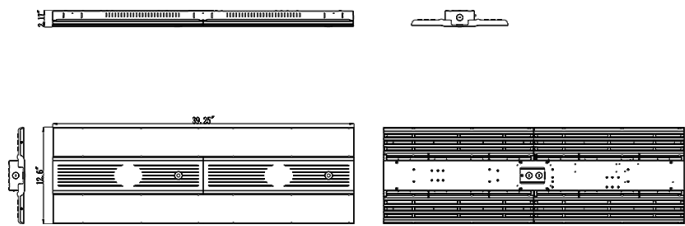
IP Rating:
IP65

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.

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.

RBAY17L/LCBS/E

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	L					/LCBS/E
	M = 20" (260/220/160W) **L =** 39" (400/320/260W) **S =** 14" (130/100/80W)	**Blank =** 3500/4000/5000K	**Blank =** V-Hook/Chain	**Blank =** White	**Blank =** 120-277V, 0-10V Dimming **/480 =** 480V, 0-10V Dimming	**/E/8CPT4 =** Battery Backup w/8' Cord & 480V Plug **/E/8CP2 =** Battery Backup w/8' Cord & 277V Plug **/E/8CP =** Battery Backup w/8' Cord & 120V Plug **/E/8C =** Battery Backup w/8' Cord **/8CPT4 =** 8' Cord & 480V Plug **/8CP2 =** 8' Cord & 277V Plug **/8CP =** 8' Cord & 120V Plug **/8C =** 8' Cord **/LCBS/E =** Lightcloud Blue w/PIR Sensor and Battery Back Up **/LCBS =** Lightcloud Blue w/PIR Sensor **/E =** Battery Backup **Blank =** No Option

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

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