H17XXLB/480/LCBS

RAB

Project:	Type:
Prepared By:	Date:

Color: Black   Weight: 17.4 lbs

Driver Info

Type	Constant Current
120V	N/A
208V	N/A
240V	N/A
277V	N/A
Input Watts	293.1-477W

LED Info

Watts	500/400/300W
Color Temp	N/A
Color Accuracy	N/A
L70 Lifespan	N/A
Lumens	48,951-78,763 lm
Efficacy	150.3-177.5 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:
Field Adjustable Light Output:
500W/400W/300W (factory default 500W)
Color temperature selectable by 3000K, 4000K and
5000K (factory default 4000K)

Compliance

UL Listed:
Suitable for wet 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:
Ingress protection rating of IP65 for dust and water

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-Z168KT

Electrical

Driver:
500W: Constant Current, Class 1, 480V: 50/60Hz,
480V: 1.00A
400W: Constant Current, Class 1, 480V: 50/60Hz,
480V: 0.83A
300W: Constant Current, Class 1, 480V: 50/60Hz,
480V: 0.63A

Dimming Driver:
Driver includes wiring for 0-10V dimming systems.
Dim as low as 10%.

THD:
500W: 6.72% at 480V
400W: 7.93% at 480V
300W: 9.97% at 480V

Power Factor:
500W: 95.2% at 480V
400W: 93.5% at 480V
300W: 89.9% at 480V

Surge Protection:
L-N: 6kV
L/N-PE: 10kV

LED Characteristics

LEDs:
Long-life, high-efficacy, surface-mount LEDs

Color Consistency:
7-step MacAdam Ellipse binning to achieve
consistent fixture-to-fixture color

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

Cold Weather Starting:
The minimum starting temperature is -40°C (-40°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)

Housing:
Precision die-cast aluminum

Lens:
Polycarbonate lens

Reflector:
Polycarbonate and Aluminum (Reflector Accessories
Sold Separately)

Technical Specifications (continued)

Finish:
Formulated for high durability and long-lasting color

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

Installation

Mounting:
Comes standard with a hanging hook and a 6-foot cord. Heavy-duty 3/4"-14 NPT hook and 3/4"-14 pendant mount capable (pendant by others)

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

Compatible Products:
H17 Field-Adjustable High Bay Accessories

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.
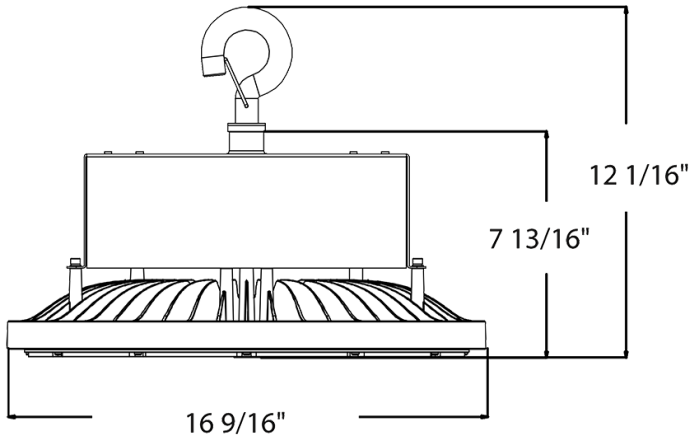
Buy American Act Compliance:
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Performance

Wattage Equivalency:
500W: Equivalent to 1500W MH
400W: Equivalent to 1500W MH
300W: Equivalent to 1500W MH

H17XXLB/480/LCBS

RAB®

Dimensions

12 1/16"

7 13/16"

16 9/16"

Features

DLC Premium listed

100,000-hour LED Life

0-10V dimming standard

5-Year, limited warranty

Ordering Matrix

Family	Wattage	Mounting	Color Temp	Finish	Driver	Options
H17	XXL			B	/480	/LCBS

S = 100/80/60W
Blank = 150/120/100W
XL = 240/200/150W
XXL = 500/400/300W

Blank = Hook

Blank = 3000/4000/5000K CCT Adjustable

B = Black
Blank = White

Blank = 120-277V, 0-10V Dimming
/480 = 480V, 0-10V Dimming

Blank = No Option
/6CP = 6' Cord & 120V Plug
/6CP2 = 6' Cord & 277V Plug
/6CPT4 = 6' Cord & 480V Plug
/LCBS = Lightcloud Blue w/PIR Sensor

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

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