



Color: Black

Weight: 13.0 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

|             |                   |
|-------------|-------------------|
| Type        | Constant          |
| 120V        | 1.25A/1.00A/0.83A |
| 208V        | 0.72A/0.58A/0.48A |
| 240V        | 0.63A/0.50A/0.83A |
| 277V        | 0.54A/0.43A/0.36A |
| Input Watts | 99.4-151.4W       |

LED Info

|                |                  |
|----------------|------------------|
| Watts          | 150/120/100W     |
| Color Temp     | 3000/4000/5000K  |
| Color Accuracy | 80-84 CRI        |
| L70 Lifespan   | 100,000 Hours    |
| Lumens         | 15,342-22,677 lm |
| Efficacy       | 135.7-167.1 lm/W |

Technical Specifications

Field Adjustability

Field Adjustable:

Field Adjustable Light Output:  
150W/120W/100W (factory default: 150W)  
Color Temperature Selectable:  
3000K, 4000K and 5000K (factory default:4000K)

Compliance

UL Listed:

Suitable for wet locations. Suitable for mounting within 4 ft (1.2m) of the ground.

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 IP66 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-Q13M99

Performance

Lifespan:

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

Wattage Equivalency:

150W: Replaces up to 400W Metal Halide (MH) or 400W High Pressure Sodium (HPS)  
120W: Replaces up to 400W Metal Halide (MH) or 310W High Pressure Sodium (HPS)  
100W: Replaces up to 400W Metal Halide (MH) or 310W High Pressure Sodium (HPS)

Electrical

Driver:

Constant Current, Class 1, 120-277V, 50/60 Hz:  
150W: 120V: 1.25A, 208V: 0.72A, 240V: 0.63A, 277V: 0.54A  
120W: 120V: 1.0A, 208V: 0.58A, 240V: 0.5A, 277V: 0.43A  
100W: 120V: 0.83A, 208V: 0.48A, 240V: 0.42A, 277V: 0.36A

Dimming Driver:

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

THD:

4.11% at 120V, 6.6% at 277V

Power Factor:

99.8% at 120V, 96.3% at 277V

7-Pin Receptacle with Shorting Cap:

ANSI C136.41 7-pin receptacle, compatible with wireless control systems

Surge Protection:

6 kV

Construction

IES Classification:

The Type V distribution produces light in a wide and uniform 360° pattern that is perfect for large outdoor areas such as parking lots, corporate parks and retail settings

Cold Weather Starting:

The minimum starting temperature is -40°F (-40°C)

Maximum Ambient Temperature:

Suitable for use in up to 104°F (40°C)

Lens:

Polycarbonate lens

Housing:

Die-cast aluminum

Technical Specifications (continued)

Effective Projected Area:

- 1 Fixture: 0.4
- 2 Fixtures: 0.8
- 3 Fixtures: 1.4
- 4 Fixtures: 1.4

Finish:

Formulated for high durability and long-lasting color

Gaskets:

High-temperature silicone gaskets

Green Technology:

Mercury and UV free. RoHS-compliant components.

LED Characteristics

LEDs:

Long-life, high-efficacy, 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.

Installation

Mounting:

Adjustable universal pole mount (standard).  
Slipfitter and wall mount accessory available.

Optical

BUG Rating:

- Type 5
- 150W: B4 U0 G2
- 120W: B4 U0 G2
- 100W: B4 U0 G2

Other

5-Year 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).

Lightcloud

Lightcloud Blue:

Lightcloud Blue is a Bluetooth Mesh wireless lighting control system that allows you to control RAB's various compatible devices. With RAB's patented 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 (Interior);  
NHCZ2BIA17L (Exterior)

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

Gateway Required:

No

Communication Protocol:

Bluetooth Mesh

Range:

Indoor: Up to 60 feet 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 feet clear line of sight.

Outdoor: Up to 60 feet clear line of sight; Up to 18 feet around corners

Spacing Criteria:

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

Sensor Settings

Max Mounting Height:

40 ft

Detection Range:

40 ft diameter mounted at 40 ft

Sensor Technology:

Passive Infrared (PIR)

Default Setting:

Uncommissioned State:  
Motion Sensitivity: High  
Brightness when triggered: 100%  
Hold time: 20 minutes  
Standby to dim: 20%  
Standby time: 1 minute  
When vacant: Off

Commissioned State:  
Once paired, the sensor will default to disabled.  
Once enabled the following settings apply:  
Motion Sensitivity: High  
Brightness when triggered: Last on status  
Hold time: 20 minutes  
Standby time: 1 minute  
When vacant: Off

Adjustable Sensor Settings?:

Yes, using the Lightcloud Blue mobile app

Sensing Type:

Occupancy or Vacancy (option to disable or set as an independent sensor)

Occupied Actions:

On or On at a Dim Level

Vacant Actions:

Off or On at a Dim Level

Occupancy Timeout:

1 minute to 240 minutes

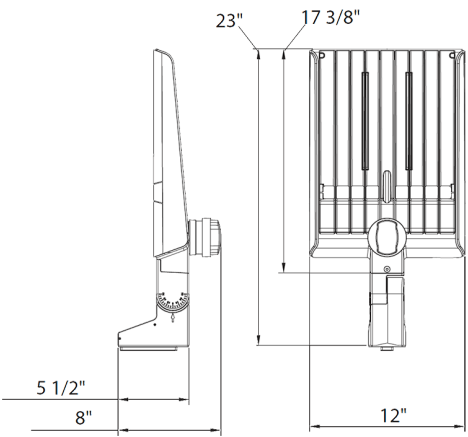
Daylight Sensing:

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.

Daylight Threshold:

150 lux to 1500 lux

Dimensions



Features

- DLC Premium listed
- Adjustable Universal Pole Mount
- 7-Pin Receptacle with Shorting Cap
- IP66 Rated
- 100,000-Hour LED lifespan
- 5-Year, limited warranty

Ordering Matrix

| Family | Optics                                                          | Wattage                                                                                              | Mounting                                                                               | Color Temp                                             | Finish                                   | Driver                                                        | Options                                                                                                                                                                                                 |
|--------|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A22    | -                                                               | 5T                                                                                                   | 150                                                                                    |                                                        | B                                        |                                                               | /LCBS                                                                                                                                                                                                   |
|        | 2T = Type II<br>4T = Type IV<br>5T = Type V<br>Blank = Type III | 70 = 70/60/50W<br>100 = 100/80/60W<br>150 = 150/120/100W<br>200 = 200/180/160W<br>320 = 320/280/250W | Blank = Universal Adjustable Pole Mount<br>Blank = Universal Non-Adjustable Pole Mount | Blank = 3000/4000/5000K<br>CCT Adjustable<br>Y = 3000K | Blank = Bronze<br>W = White<br>B = Black | Blank = 120-277V, 0-10V Dimming<br>/480 = 480V, 0-10V Dimming | Blank = 7-Pin Receptacle with Shorting Cap<br>/MVS = 7-Pin Receptacle with Shorting Cap and Microwave Motion Sensor<br>/LCBS = Lightcloud Blue w/PIR Sensor<br>/LCBS/MVS = Lightcloud Blue w/MVS Sensor |