

Color: White

Weight: 13.0 lbs

Project:

Type:

Prepared By:

Date:

**Driver Info**

Type	Constant
120V	N/A
208V	N/A
240V	N/A
277V	N/A
Input Watts	104.4W

**LED Info**

Watts	100W
Color Temp	3000/4000/5000K
Color Accuracy	80-84 CRI
L70 Lifespan	100,000 Hours
Lumens	15,116 lm
Efficacy	144.8

**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

**Trade Agreements Act Compliant:**

This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

**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-R85384

**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, 480V, 50/60 Hz:  
150W: 480V: 0.32A  
120W: 480V: 0.25A  
100W: 480V: 0.21A

**Dimming Driver:**

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

**THD:**

19.13% at 480V

**Power Factor:**

84.8% at 480V

**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 III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

**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 3  
 150W: B3 U0 G3  
 120W: B3 U0 G3  
 100W: B3 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).

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**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****Sensor Connection Type:**

Pogo pin

**Max Mounting Height:**

50 ft

**Detection Range:**

50 ft diameter mounted at 50 ft

**Sensor Technology:**

Microwave (MVS)

**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:**

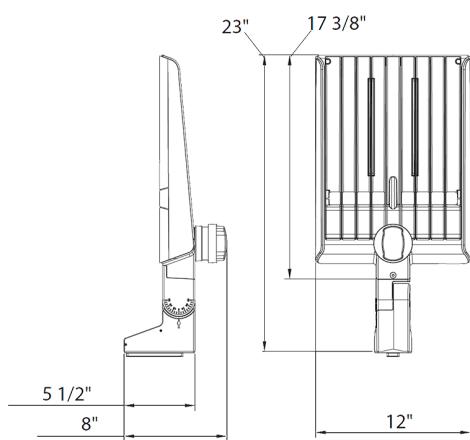
1 minute to 240 minutes

**Daylight Sensing:**

The sensor will determine to trigger the light(s) on or off 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	-	150			W	/480	/LCBS/MVS
2T = Type II	70 = 70/60/50W	Blank = Universal Adjustable Pole Mount	Blank = 3000/4000/5000K CCT Adjustable	Blank = Bronze	Blank = 120-277V, 0-10V Dimming		Blank = 7-Pin Receptacle with Shorting Cap
4T = Type IV	100 = 100/80/60W	150 = 150/120/100W	Y = 3000K	W = White	/480 = 480V, 0-10V Dimming		/MVS = 7-Pin Receptacle with Shorting Cap and Microwave Motion Sensor
5T = Type V	200 = 200/180/160W	320 = 320/280/250W		B = Black			/LCBS = Lightcloud Blue w/PIR Sensor
Blank = Type III							/LCBS/MVS = Lightcloud Blue w/MVS Sensor