



Color: Black

Weight: 11.2 lbs

Project:

Type:

Prepared By:

Date:

**Driver Info**

Type	Constant	Watts	100/80/60W
120V	0.83A/0.67A/0.50A	Color Temp	3000/4000/5000K
208V	0.48A/0.38A/0.25A	Color Accuracy	80-84 CRI
240V	0.42A/0.33A/0.25A	L70 Lifespan	100,000 Hours
277V	0.72A/0.29A/0.22A	Lumens	9,048-14,572 lm
Input Watts	59.9-101W	Efficacy	130.5-161.8 lm/W

**Technical Specifications****Field Adjustability****Field Adjustable:**

Field Adjustable Light Output:  
100W/80W/60W (factory default: 100W)  
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-P9K7M1

**Performance****Lifespan:**

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

**Wattage Equivalency:**

100W: Replaces up to 400W Metal Halide (MH) or 310W High Pressure Sodium (HPS)  
80W: Replaces up to 350W Metal Halide (MH) or 250W High Pressure Sodium (HPS)  
60W: Replaces up to 250W Metal Halide (MH) or 200W High Pressure Sodium (HPS)

**Electrical****Driver:**

Constant Current, Class 1, 120-277V, 50/60 Hz:  
100W: 120V: 0.83A, 208V: 0.48A, 240V: 0.42A, 277V: 0.36A  
80W: 120V: 0.67A, 208V: 0.38A, 240V: 0.33A, 277V: 0.29A  
60W: 120V: 0.5A, 208V: 0.29A, 240V: 0.25A, 277V: 0.22A

**Dimming Driver:**

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

**THD:**

3.25% at 120V, 5.82% at 277V

**Power Factor:**

99.7% at 120V, 94.5% 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 II distribution is ideal for wide walkways, on ramps and entrance roadways, bike paths and other long and narrow lighting applications. This type is meant for lighting larger areas and usually is located near the roadside. This type of lighting is commonly found on smaller side streets or jogging paths.

**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

**Technical Specifications (continued)****Housing:**

Die-cast aluminum

**Effective Projected Area:**

1 Fixture: 0.3

2 Fixtures: 0.7

3 Fixtures: 1.2

4 Fixtures: 1.2

**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 2

100W: B2 U0 G2

80W: B2 U0 G2

60W: B2 U0 G1

**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****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:**

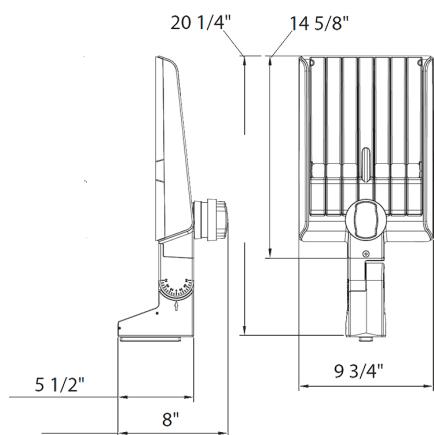
1 minute to 240 minutes

**Daylight Sensing:**

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