



Color: Black

Weight: 15.8 lbs

Project:

Type:

Prepared By:

Date:

### Driver Info

Type	Constant
120V	2.66A/2.33A/2.08A
208V	1.53A/1.34A/1.20A
240V	1.33A/1.16A/1.04A
277V	1.15A/1.01A/0.90A
Input Watts	245.-332.2W

### LED Info

Watts	320/280/250W
Color Temp	3000K/4000K/5000K
Color Accuracy	80-84 CRI
L70 Lifespan	100,000 Hours
Lumens	33,720-43,975 lm
Efficacy	123.1-150.2 lm/W

## Technical Specifications

### Field Adjustability

#### Field Adjustable:

Field Adjustable Light Output:  
320W/280W/250W (factory default: 320W)  
Color Temperature Selectable:  
3000K, 4000K and 5000K (factory default:4000K)

### Compliance

#### UL Listed:

Suitable for wet locations. Suitable for mounting within 4ft (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-D7RG52

### Performance

#### Lifespan:

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

#### Wattage Equivalency:

320W: Replaces up to 1,000W Metal Halide (MH) or 750W High Pressure Sodium (HPS)  
280W: Replaces up to 1,000W Metal Halide (MH) or 600W High Pressure Sodium (HPS)  
250W: Replaces up to 750W Metal Halide (MH) or 600W High Pressure Sodium (HPS)

### Electrical

#### Driver:

Constant Current, Class 1, 120-277V, 50/60 Hz:  
320W: 120V: 2.66A, 208V: 1.53A, 240V: 1.33A, 277V: 1.15A  
280W: 120V: 2.33A, 208V: 1.34A, 240V: 1.16A, 277V: 1.01A  
250W: 120V: 2.08A, 208V: 1.2A, 240V: 1.04A, 277V: 0.9A

#### Dimming Driver:

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

#### THD:

4.23% at 120V, 6.84% at 277V

### Power Factor:

99.9% at 120V, 97.8% at 277V

### 7-Pin Receptacle with Shorting Cap:

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

### Surge Protection:

6kV

### Construction

#### IES Classification:

The Type IV distribution (also known as a Forward Throw) is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semicircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

#### Cold Weather Starting:

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

#### Maximum Ambient Temperature:

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

#### Lens:

Polycarbonate lens

## Technical Specifications (continued)

### Housing:

Die-cast aluminum

### Effective Projected Area:

1 Fixture: 0.4  
 2 Fixtures: 0.8  
 3 Fixtures: 1.6  
 4 Fixtures: 1.6

### Mounting:

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

### 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.

### Optical

#### BUG Rating:

Type 4  
 320W: B4 U0 G4  
 280W: B4 U0 G4  
 250W: B4 U0 G4

### Sensor Specifications

#### Voltage Input:

12V DC Input, IC Solution

#### Operating Voltage:

10-15V

#### Control:

On/Off control

#### Detection Area:

25%/50%/75%/100% (Factory Setting: 100%)

#### Microwave Frequency:

5.8GHz +/- 75MHz

### Hold Time:

5 sec/30 sec/1 min/10 min/20 min/30 min (Factory Setting: 5 sec)

### Microwave Power:

<0.3mW

### Switching Capacity:

<40mA

### Daylight Threshold:

2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable (Factory Setting: Disable)

### Mounting Height:

2.5 - 4.5 m/8.2 - 14.76 ft

### Operating Current:

<30mA

### Stand-by Period:

0 sec/10 sec/30 sec/1 min/5 min/10 min/+∞ (Factory Setting: 0 sec)

### Detection Range:

9.84 - 22.96 ft (3 - 7 m)

### Control Method:

0-10V

### Stand-by Dimming Level:

10%/20%/30%/50% (Factory Setting: 10%)

### Detection Angle:

360° (ceiling mounted)

### Operating Temperature:

-35°C to +70°C (-31°F to + 158°F)

### Remote Control:

Adjust settings using remote control (catalog# MSR1). Only available with 0-10V dimming driver options. [Remote control available here.](#)

### 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](http://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.

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