



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	245.5-323.1W

### LED Info

Watts	320/280/250W
Color Temp	3000/4000/5000K
Color Accuracy	80-84 CRI
L70 Lifespan	100,000 Hours
Lumens	34,478-44,898 lm
Efficacy	125.9-153.5 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 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 family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at [designlights.org](http://designlights.org) to confirm the qualification status of a specific SKU prior to specification or purchase.

### Performance

#### Lifespan:

100,000-Hour LED lifespan based on IESlm-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:

4.01% at 120V, 6.71% at 277V

### Power Factor:

99.9% at 120V, 97.7% at 277V

### 7-Pin Receptacle with Shorting Cap:

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

### Surge Protection:

6 kV

### Optical

#### 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.

#### BUG Rating:

Type 3  
320W: B4 U0 G4  
280W: B4 U0 G4  
250W: B4 U0 G4

### LED Characteristics

#### LEDs:

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

## Technical Specifications (continued)

### 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°F (-40°C)

#### Maximum Ambient Temperature:

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

#### Lens:

Polycarbonate lens

#### Housing:

Die-cast aluminum

#### Effective Projected Area (EPA):

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

#### Finish:

Formulated for high durability and long-lasting color

#### Gaskets:

High-temperature silicone gaskets

#### Green Technology:

Mercury and UV free. RoHS-compliant components.

### 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:

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

### Adjustable Sensor Settings?:

Yes, using the MSR1 Remote (sold separately)

Standby to dim: 10%/20%/30%/50%

Standby time:

0s/10s/30s/1min/5min/10min/30min/60min/+∞

### Daylight Threshold:

2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable

### 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).

## 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	-	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> = Universal Non-Adjustable Pole Mount	<b>Blank</b> = 3000/4000/5000K CCT Adjustable <b>Y</b> = 3000K	<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 Motion Sensor <b>/LCBS</b> = Lightcloud Blue w/PIR Sensor <b>/LCBS/MVS</b> = Lightcloud Blue w/MVS Sensor