



|                     |              |
|---------------------|--------------|
| <b>Project:</b>     | <b>Type:</b> |
| <b>Prepared By:</b> | <b>Date:</b> |

| Driver Info |                   | LED Info       |                  |
|-------------|-------------------|----------------|------------------|
| Type        | Constant          | Watts          | 320/280/250W     |
| 120V        | 2.66A/2.33A/2.08A | Color Temp     | 3000/4000/5000K  |
| 208V        | 1.53A/1.34A/1.20A | Color Accuracy | 80-84 CRI        |
| 240V        | 1.33A/1.16A/1.04A | L70 Lifespan   | 100,000 Hours    |
| 277V        | 1.15A/1.01A/0.90A | Lumens         | 34,478-44,898 lm |
| Input Watts | 245.5-323.1W      | 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

#### 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 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

## Technical Specifications (continued)

### 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

**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.

### 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  |  |   | W  |   |   |
|        | 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 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 |