



Color: White

Weight: 11.2 lbs

| | |
|---------------------|--------------|
| Project: | Type: |
| Prepared By: | Date: |

| Driver Info | | LED Info | |
|-------------|-------------------|----------------|------------------------|
| Type | Constant | Watts | 100/80/60W |
| 120V | 0.83A/0.67A/0.50A | Color | 3000K |
| 208V | 0.48A/0.38A/0.25A | Temp | |
| 240V | 0.42A/0.33A/0.25A | Color Accuracy | 82/82/83 CRI |
| 277V | 0.72A/0.29A/0.22A | L70 | |
| Input Watts | 94.7/77.1/58W | Lifespan | 100,000 Hours |
| | | Lumens | 14,415/12,113/9,360 lm |
| | | Efficacy | 152.2/157.1/161.4 lm/W |

Technical Specifications

Field Adjustability

Field Adjustable:

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

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 to confirm the qualification status of a specific SKU prior to specification or purchase.

LUNA:

This product has received the Design Lights Consortium's LUNA listing. Designed to meet LUNA 5.1 requirements.
LUNA Product Code: S-MFN6J1

Performance

Lifespan:

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

THD:

3.17% at 120V, 6.1% at 277V

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%.

Power Factor:

99.7% at 120V, 94.6% 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 V distribution produces light in a wide and uniform 360° pattern that is perfect for large outdoor areas such as parking lots, corporate parks and retail settings

Technical Specifications (continued)

BUG Rating:

Type 5
100W: B4 U0 G2
80W: B3 U0 G2
60W: B3 U0 G1

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: 0.3
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.

Installation

Mounting:

Non-Adjustable universal pole mount

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.

Dimensions



Features

- DLC Premium listed
- Luna Listed
- Non-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 | - | 5T | 100 | Blank | Y | W | |
| | 2T = Type II 4T = Type IV 5T = Type V Blank = Type III | 70 = 70/60/50W 100 = 100/80/60W 150 = 150/120/100W 200 = 200/180/160W 320 = 320/280/250W | Blank = Universal Adjustable Pole Mount Blank = Universal Non-Adjustable Pole Mount | Blank = 3000/4000/5000K CCT Adjustable Y = 3000K | Blank = Bronze W = White B = Black | Blank = 120-277V, 0-10V Dimming /480 = 480V, 0-10V Dimming | Blank = 7-Pin Receptacle with Shorting Cap /MVS = 7-Pin Receptacle with Shorting Cap and Microwave Motion Sensor /LCBS = Lightcloud Blue w/PIR Sensor /LCBS/MVS = Lightcloud Blue w/MVS Sensor |