# A22-100YB

**RAB**

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

### Driver Info

| Type | Constant |
|------|----------|
| 120V | 0.83A/0.67A/0.50A |
| 208V | 0.48A/0.38A/0.25A |
| 240V | 0.42A/0.33A/0.25A |
| 277V | 0.72A/0.29A/0.22A |
| Input Watts | 94.7/77/58W |

### LED Info

| Watts | 100/80/60W |
|-------|-----------|
| Color Temp | 3000K |
| Color Accuracy | 82/82/83 CRI |
| L70 Lifespan | 100,000 Hours |
| Lumens | 14,308/12,001/9,296 lm |
| Efficacy | 151.1/155.9/160.3 lm/W |

Color: Black          Weight: 11.2 lbs

## 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 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-X5DVK1

**LUNA:**
This product has received the Design Lights Consortium's LUNA listing for 3000K Models. Designed to meet LUNA 5.1 requirements.
LUNA Product Code: S-X5DVK1

### Performance

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

**THD:**
3.18% at 120V, 6.05% 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:
6kV

### Construction

**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.

**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

**Housing:**
Die-cast aluminum

## Technical Specifications (continued)

**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:**
Non-Adjustable universal pole mount

## Optical

**BUG Rating:**
Type 3
100W: B3 U0 G2
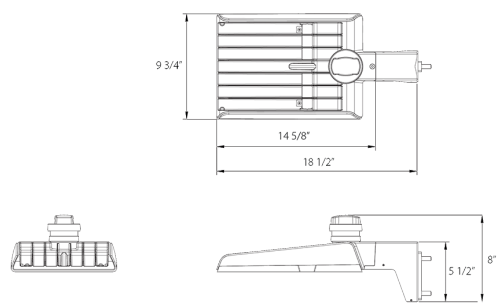80W: B2 U0 G2
60W: B2 U0 G2

## 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.

**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.

# A22-100YB

## Dimensions



9 3/4"
14 5/8"
18 1/2"
5 1/2"
8"

## 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 – | | 100 | Blank | Y | B | | |
| | **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 |

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

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