



Color: Bronze

Weight: 32.9 lbs

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

| Driver Info |              | LED Info       |                  |
|-------------|--------------|----------------|------------------|
| Type        | Constant     | Watts          | 500/450/420/380W |
| 120V        | 4.23A        | Color Temp     | 3000/4000/5000K  |
| 208V        | 2.45A        | Color Accuracy | 82-83 CRI        |
| 240V        | 2.12A        | L70 Lifespan   | 100,000 Hours    |
| 277V        | 1.87A        | Lumens         | 53,877-74,093 lm |
| Input Watts | 373.7-496.2W | Efficacy       | 132.3-157.8 lm/W |

**Technical Specifications**

**Field Adjustability**

**Optical Field Adjustability:**  
90°, 75° and 55°

**Field Adjustable:**

Field Adjustable Light Output:  
500W/460W/420W/380W (factory default 500W)  
Color Temperature Selectable:  
3000K, 4000K and 5000K (factory default 4000K)

**Compliance**

**UL Listed:**

Suitable for wet locations

**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 IP65 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.

**Electrical**

**Driver:**

500W: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 4.23A, 208V: 2.45A, 240V: 2.12A, 277V: 1.87A

450W: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 3.85A, 208V: 2.18A, 240V: 1.90A, 277V: 1.67A

420W: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 3.43A, 208V: 2.02A, 240V: 1.74A, 277V: 1.54A

380W: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 3.11A, 208V: 1.83A, 240V: 1.59A, 277V: 1.41A

**Dimming Driver:**

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

**THD:**

2.86% at 120V, 4.99% at 277V

**Power Factor:**

99.9% at 120V, 97.2% at 277V

**Surge Protection:**

L/N-PE: 2.5 kV, L-N: 2.5 kV

**Photocell:**

120V-277V Twistlock photocell included

**Shorting Cap:**

Shorting Cap included for Twistlock Receptacle

**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.

**Color Consistency:**

3000K & 5000K: 5-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color  
4000K: 7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

## Technical Specifications (continued)

### Performance

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**Lifespan:**

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

**Performance Data:**

[Click here for the X22-500 performance data](#)

**Wattage Equivalency:**

500W: Replaces up to 2000W Metal Halide (MH) or 1500W High Pressure Sodium (HPS)

450W: Replaces up to 2000W Metal Halide (MH) or 1500W High Pressure Sodium (HPS)

420W: Replaces up to 2000W Metal Halide (MH) or 1500W High Pressure Sodium (HPS)

380W: Replaces up to 1500W Metal Halide (MH) or 1000W High Pressure Sodium

### Construction

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**Cold Weather Starting:**

The minimum starting temperature is -22°F (-30°C)

**Maximum Ambient Temperature:**

Suitable for use in up to 122°F (50°C)

**Housing:**

Die-cast aluminum

**Lens:**

Tempered glass

**Effective Projected Area (EPA):**

1 Fixture: 1.142 ft<sup>2</sup>

2 Fixtures at 90°: 2.712 ft<sup>2</sup>

2 Fixtures at 180°: 2.285 ft<sup>2</sup>

3 Fixtures at 90°: 3.854 ft<sup>2</sup>

4 Fixtures at 90°: 3.854 ft<sup>2</sup>

**Finish:**

Formulated for high durability and long-lasting color

**Green Technology:**

Mercury and UV free. RoHS-compliant components.

### Installation

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**Mounting:**

Slipfitter with tilt angle in 10° increments. Trunnion kit is included.

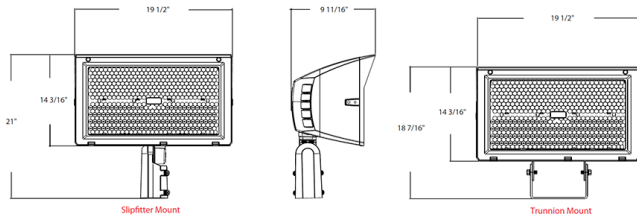
### Other

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**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
- IP65 Rated
- 100,000-Hour LED lifespan
- 5-Year, limited warranty

**Ordering Matrix**

| Family | Wattage   | Color Temp                                | Mounting  | Finish                         | Beam Angle                                      | Driver   | Options                                |
|--------|---|---|---|--------------------------------|---|--|--|
| X22    | -   | 500                                       | Blank   |                                |   |  |  |
|        | 35 = 35/30/25/20W<br>60 = 60/50/40/30W<br>80 = 80/70/60/50W<br>150 = 150/125/100/75W<br>250 = 250/220/190/160W<br>320 = 320/280/240/200W<br>420 = 420/380/340/300W<br>500 = 500/450/420/380W<br>20 = 20/17/13/10W | Blank = 3000/4000/5000K<br>CCT Adjustable | Blank = Knuckle Mount<br>Installed with Yoke Kit<br>Included<br><br>Blank = Knuckle Mount<br>Installed with Trunnion<br>Kit Included<br><br>Blank = Slipfitter<br>Mount Installed with<br>Trunnion Kit Included | Blank =<br>Bronze<br>W = White | Blank = Selectable<br>Beam Angle<br>(55/75/90°) | Blank =<br>120-277V<br>/480 = 480V,<br>0-10V Dimming | Blank = Selectable<br>On/Off Photocell |

*X22-20 & X22-35: Knuckle mount installed with yoke mount included.  
 X22-60 & X22-80: Knuckle mount installed with trunnion mount included.  
 X22-150-500: Slipfitter mount installed with trunnion mount included. 480V only available in 150W-500W.*