



<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.

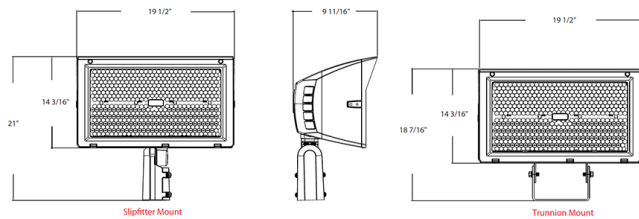
### Other

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