



<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	N/A	Color Temp	3000K/4000K/5000K
208V	N/A	Color	82-83 CRI
240V	N/A	Accuracy	
277V	N/A	L70 Lifespan	100,000 Hours
Input Watts	368.9-493.6W	Lumens	53,464-74,455 lm
		Efficacy	134.8-159.4 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 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-2HQW7L

### Electrical

#### Driver:

500W: Constant Current, Class 1, 480V, 50/60Hz, 480V: 1.09A

450W: Constant Current, Class 1, 480V, 50/60Hz, 480V: 0.96A

420W: Constant Current, Class 1, 480V, 50/60Hz, 480V: 0.91A

380W: Constant Current, Class 1, 480V, 50/60Hz, 480V: 0.83A

#### Dimming Driver:

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

#### THD:

4.19% at 480V

#### Power Factor:

96.5% at 480V

#### Surge Protection:

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

#### Photocell:

Integrated photocell included with on/off switch

### 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

### Performance

#### Lifespan:

100,000-Hour LED lifespan based on IES LM-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



## Technical Specifications (continued)

### Construction

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**Cold Weather Starting:**

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

**Maximum Ambient Temperature:**

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

**Housing:**

Die-cast aluminum

**Mounting:**

Robust knuckle mount with 180° adjustable swivel arm. Tilt angle in 10° increments. Yoke kit is included.

**Lens:**

Tempered glass

**Effective Projected Area:**

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.

**Other**

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**Note:**

All values are typical (tolerance +/- 10%)

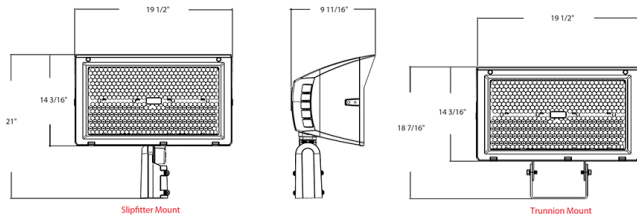
**5 Yr Limited Warranty:**

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](http://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.

**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	Voltage	Options
X22	-	500	Blank	W		/480	
	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	Blank = 3000K/4000K/5000K CCT Adjustable	Blank = Knuckle Mount Installed with Yoke Kit Included Blank = Knuckle Mount Installed with Trunnion Kit Included Blank = Slipfitter Mount Installed with Trunnion Kit Included	Blank = Bronze W = White	Blank = Selectable Beam Angle (Medium to Very Wide Flood 55-100°)	Blank = 120-277V /480 = 480V, 0-10V Dimming	Blank = 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.*