



Color: White

Weight: 20.7 lbs

Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant	Watts	250/220/190/160W
120V	N/A	Color Temp	3000K/4000K/5000K
208V	N/A	Color	82-84 CRI
240V	N/A	Accuracy	
277V	N/A	L70 Lifespan	100,000 Hours
Input Watts	152.9-241.6W	Lumens	23,207-37,335 lm
		Efficacy	140.9-162.3 lm/W

Technical Specifications

Field Adjustability

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

Field Adjustable:

Field Adjustable Light Output:  
250W/220W/190W/160W (factory default 250W)  
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-8F8Y5C

Electrical

Driver:

250W: Constant Current, Class 1, 480V, 50/60Hz, 480V: 0.53A

220W: Constant Current, Class 1, 480V, 50/60Hz, 480V: 0.47A

190W: Constant Current, Class 1, 480V, 50/60Hz, 480V: 0.42A

160W: Constant Current, Class 1, 480V, 50/60Hz, 480V: 0.35A

Dimming Driver:

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

THD:

4.21% at 480V

Power Factor:

96.4% 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 X22-250 performance data](#)

Wattage Equivalency:

250W: Replaces up to 1000W Metal Halide (MH) or 750W High Pressure Sodium (HPS)

220W: Replaces up to 1000W Metal Halide (MH) or 600W High Pressure Sodium (HPS)

190W: Replaces up to 750W Metal Halide (MH) or 600W High Pressure Sodium (HPS)

160W: Replaces up to 750W Metal Halide (MH) or 400W High Pressure Sodium



**Technical Specifications (continued)****Construction****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: 0.759 ft<sup>2</sup>

2 Fixtures at 90°: 1.985 ft<sup>2</sup>

2 Fixtures at 180°: 1.517 ft<sup>2</sup>

3 Fixtures at 90°: 2.744 ft<sup>2</sup>

4 Fixtures at 90°: 2.744 ft<sup>2</sup>

**Finish:**

Formulated for high durability and long-lasting color

**Green Technology:**

Mercury and UV free. RoHS-compliant components.

**Other****Note:**

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

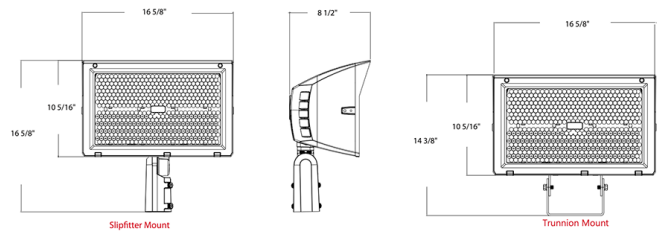
**5 Yr Limited Warranty:**

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	-	250		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.  
 150W: Slipfitter mount installed with trunnion mount included.