



Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant	Watts	500/450/420/380W
120V	N/A	Color Temp	3000/4000/5000K
208V	N/A	Color Accuracy	82-83 CRI
240V	N/A	L70 Lifespan	100,000 Hours
277V	N/A	Lumens	53,464-74,455 lm
Input Watts	368.9-493.6W	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 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 to confirm the qualification status of a specific SKU prior to specification or purchase.

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: 2.5 kV, L-N: 2.5 kV

Photocell:

480V Twistlock photocell included. Photocell is only compatible with 480V.

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

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

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 ft²

2 Fixtures at 90°: 2.712 ft²

2 Fixtures at 180°: 2.285 ft²

3 Fixtures at 90°: 3.854 ft²

4 Fixtures at 90°: 3.854 ft²

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Installation

Mounting:

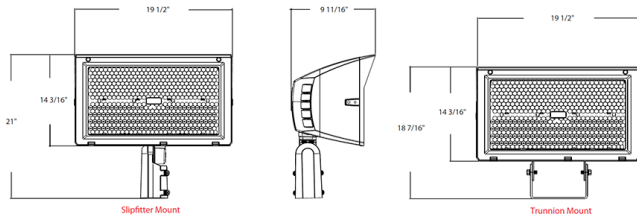
Slipfitter with tilt angle in 10° increments. Trunnion kit is included.

Other

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.

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		/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 = 3000/4000/5000K 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 (55/75/90°)	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.