X22-320



Color: Bronze

Weight: 20.7 lbs

Project:	**Type:**
Prepared By:	**Date:**

Driver Info

Type	Constant
120V	2.65A
208V	1.58A
240V	1.37A
277V	1.20A
Input Watts	199.8-320.7W

LED Info

Watts	320/280/240/200W
Color Temp	3000K/4000K/5000K
Color Accuracy	82-83 CRI
L70 Lifespan	100,000 Hours
Lumens	29,268-45,989 lm
Efficacy	130.8-159.3 lm/W

Technical Specifications

Field Adjustability

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

Field Adjustable:
Field Adjustable Light Output:
320W/280W/240W/200W (factory default 320W)
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-MDDYDH

Electrical

Driver:
320W: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 2.65A, 208V: 1.58A, 240V: 1.37A, 277V: 1.20A

280W: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 1.20A, 208V: 1.38A, 240V: 1.20A, 277V: 1.05A

240W: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 2.00A, 208V: 1.18A, 240V: 1.03A, 277V: 0.90A

200W: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 1.67A, 208V: 0.98A, 240V: 0.85A, 277V: 0.74A

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

THD:
10.32% at 120V, 7.94% at 277V

Power Factor:
99.4% at 120V, 95.2% at 277V

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 X22-320 performance data

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Technical Specifications (continued)

Wattage Equivalency:
320W: Replaces up to 1000W Metal Halide (MH) or 1000W High Pressure Sodium (HPS)

280W: Replaces up to 1000W Metal Halide (MH) or 750W High Pressure Sodium (HPS)

240W: Replaces up to 1000W Metal Halide (MH) or 750W High Pressure Sodium (HPS)

200W: Replaces up to 750W Metal Halide (MH) or 600W High Pressure Sodium

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^2
2 Fixtures at 90°: 1.985 ft^2
2 Fixtures at 180°: 1.517 ft^2
3 Fixtures at 90°: 2.744 ft^2
4 Fixtures at 90°: 2.744 ft^2

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%)

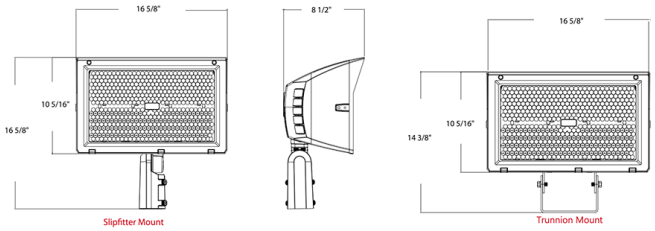
5 Yr Limited Warranty:
The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

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.

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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	–	320		Blank				
		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.

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