X22-420W

RAB

Project:	Type:
Prepared By:	Date:

Color: White   Weight: 32.9 lbs

Driver Info

Type	Constant
120V	3.41A
208V	2.00A
240V	1.73A
277V	1.53A
Input Watts	289.5-423.1W

LED Info

Watts	420/380/340/300W
Color Temp	3000K/4000K/5000K
Color Accuracy	82-84 CRI
L70 Lifespan	100,000 Hours
Lumens	43,487-64,206 lm
Efficacy	138.5-163.4 lm/W

Technical Specifications

Field Adjustability

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

Field Adjustable:
Field Adjustable Light Output:
420W/380W/340W/300W (factory default 420W)
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-RKBJ2L

Electrical

Driver:
420W: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 3.41A, 208V: 2.00A, 240V: 1.73A, 277V: 1.53A

380W: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 3.14A, 208V: 1.83A, 240V: 1.60A, 277V: 1.41A

340W: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 2.75A, 208V: 1.65A, 240V: 1.43A, 277V: 1.28A

300W: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 2.44A, 208V: 1.47A, 240V: 1.28A, 277V: 1.14A

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

THD:
2.57% at 120V, 6.09% at 277V

Power Factor:
99.9% at 120V, 94.7% 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 X22-420 performance data

Technical Specifications (continued)

Wattage Equivalency:
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 (HPS)

340W: Replaces up to 1500W Metal Halide (MH) or 1000W High Pressure Sodium (HPS)

300W: Replaces up to 1000W Metal Halide (MH) or 1000W 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: 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.

Other

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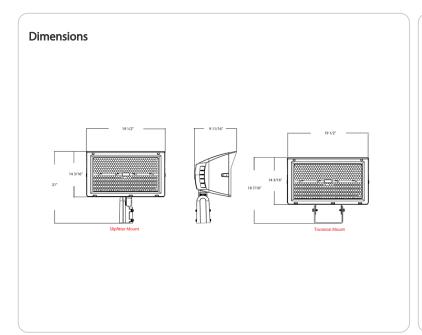All values are typical (tolerance +/- 10%)

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.

X22-420W

Dimensions

19 1/2"
14 3/16"
21"
Slipfitter Mount

9 11/16"

19 1/2"
14 3/16"
18 7/16"
Trunnion Mount

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 –	420		Blank	W			
	35 = 35/30/25/20W	**Blank =** 3000K/4000K/5000K CCT Adjustable	**Blank =** Knuckle Mount Installed with Yoke Kit Included	**Blank =** Bronze	**Blank =** Selectable Beam Angle (Medium to Very Wide Flood 55-100°)	**Blank =** 120-277V	**Blank =** Selectable On/Off Photocell
	60 = 60/50/40/30W		**Blank =** Knuckle Mount Installed with Trunnion Kit Included	**W =** White		**/480 =** 480V, 0-10V Dimming	
	80 = 80/70/60/50W						
	150 = 150/125/100/75W		**Blank =** Slipfitter Mount Installed with Trunnion Kit Included				
	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						

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.

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

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Page 3 of 3