X22-80



Color: Bronze

Weight: 5.5 lbs

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

Driver Info

Type	Constant
120V	0.66A
208V	0.40A
240V	0.35A
277V	0.32A
Input Watts	50.5-83W

LED Info

Watts	80/70/60/50W
Color Temp	3000K/4000K/5000K
Color Accuracy	81-84 CRI
L70 Lifespan	100,000 Hours
Lumens	7,193-12,772 lm
Efficacy	127.6-171 lm/W

Technical Specifications

Field Adjustability

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

Field Adjustable:
Field Adjustable Light Output:
80W/70W/60W/50W (factory default 80W)
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-HDQRO9

Electrical

Driver:
80W: Class 1, Constant Current, 120-277V, 50/60 Hz, 120V: 0.66A, 208V: 0.40A, 240V: 0.35A, 277V: 0.32A

70W: Class 1, Constant Current, 120-277V, 50/60 Hz, 120V: 0.58A, 208V: 0.35A, 240V: 0.31A, 277V: 0.28A

60W: Class 1, Constant Current, 120-277V, 50/60 Hz, 120V: 0.51A, 208V: 0.31A, 240V: 0.28A, 277V: 0.26A

50W: Class 1, Constant Current, 120-277V, 50/60 Hz, 120V: 0.44A, 208V: 0.26A, 240V: 0.24A, 277V: 0.22A

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

THD:
8.71% at 120V, 5.57% at 277V

Power Factor:
88.9% at 120V, 99.4% at 277V

Surge Protection:
L/N-PE: 6kV, L-N: 6kV

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 X22-80 performance data

Construction

Cold Weather Starting:
The minimum starting temperature is -30°C (-22°F)

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Technical Specifications (continued)

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. Trunnion kit is included.

Lens:
Tempered glass

Effective Projected Area:
1 Fixture: 0.249 ft^2
2 Fixtures at 90°: 0.587 ft^2
2 Fixtures at 180°: 0.498 ft^2
3 Fixtures at 90°: 0.836 ft^2
4 Fixtures at 90°: 0.836 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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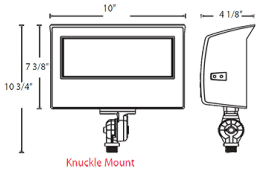
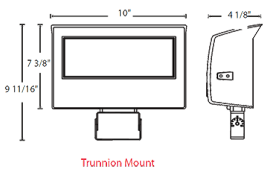
Dimensions



Knuckle Mount



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	–	80		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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