X22-20



Color: Bronze

Weight: 2.0 lbs

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

Driver Info

Type	Constant
120V	0.17A
208V	0.10A
240V	0.08A
277V	0.07A
Input Watts	9.5-21W

LED Info

Watts	20/17/13/10W
Color Temp	3000/4000/5000K
Color Accuracy	81-84 CRI
L70 Lifespan	100,000 Hours
Lumens	1,310-3,120 lm
Efficacy	123-164.7 lm/W

Technical Specifications

Field Adjustability

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

Field Adjustable:
Field Adjustable Light Output:
20W/17W/13W/10W (factory default 20W)
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:
20W: Class 1, Constant Current, 120-277V, 50/60 Hz, 120V: 0.17A, 208V: 0.10A, 240V: 0.08A, 277V: 0.07A

17W: Class 1, Constant Current, 120-277V, 50/60 Hz, 120V: 0.14A, 208V: 0.08A, 240V: 0.07A, 277V: 0.07A

13W: Class 1, Constant Current, 120-277V, 50/60 Hz, 120V: 0.11A, 208V: 0.07A, 240V: 0.06A, 277V: 0.05A

10W: Class 1, Constant Current, 120-277V, 50/60 Hz, 120V: 0.09A, 208V: 0.05A, 240V: 0.05A, 277V: 0.04A

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

THD:
6.46% at 120V, 9.48% at 277V

Power Factor:
91.9% at 120V, 99.1% at 277V

Surge Protection:
L/N-PE: 2.5 kV, L-N: 2.5 kV

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

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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 X22-20 performance data

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: 0.117 ft^2
2 Fixtures at 90°: 0.256 ft^2
2 Fixtures at 180°: 0.234 ft^2
3 Fixtures at 90°: 0.373 ft^2
4 Fixtures at 90°: 0.373 ft^2

Finish:
Formulated for high durability and long-lasting color

Green Technology:
Mercury and UV free. RoHS-compliant components.

Installation

Mounting:
Robust knuckle mount with 180° adjustable swivel arm. Tilt angle in 10° increments. Yoke 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.

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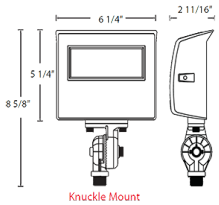
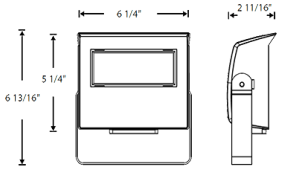
Dimensions



Knuckle Mount



Yoke 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	Driver	Options
X22	–	20						
		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.

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