



Color: Bronze

Weight: 9.5 lbs

<b>Project:</b>	<b>Type:</b>
<b>Prepared By:</b>	<b>Date:</b>

Driver Info		LED Info	
Type	Constant	Watts	100/85/70/50W
120V	0.83A	Color Temp	3000/4000/5000K
208V	0.48A	Color Accuracy	82-85 CRI
240V	0.42A	L70 Lifespan	100,000 Hours
277V	0.36A	Lumens	6,170-14,087 lm
Input Watts	49.1-97.1W	Efficacy	116.5-159.2 lm/W

**Technical Specifications**

**Field Adjustability**

**Cutoff Adjustability:**

45°, 30°, 15° and 0° (factory default 45°)

**Field Adjustable:**

Field Adjustable Light Output:

100W/85W/70W/50W (factory default 100W)

Color temperature selectable 3000K, 4000K and 5000K (factory default 4000K)

**Compliance**

**UL Listed:**

Suitable for wet locations

**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](http://designlights.org) to confirm the qualification status of a specific SKU prior to specification or purchase.

**Electrical**

**Driver:**

Constant Current, Class 1, 120-277V, 50/60 Hz:  
100W: 120V: 0.83A, 208V: 0.48A, 240V: 0.42A, 277V: 0.36A

85W: 120V: 0.72A, 208V: 0.41A, 240V: 0.36A, 277V: 0.31

70W: 120V: 0.60A, 208V: 0.34A, 240V: 0.30A, 277V: 0.26A

50W: 120V: 0.41A, 208V: 0.24A, 240V: 0.21A, 277V: 0.19A

**Dimming Driver:**

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

**Photocell:**

Integrated photocell included with on/off switch

**Battery Backup:**

Battery backup will operate the fixture for 90 minutes if power fails. Wired for 120-277V.

**Battery Backup Light Loss Factor:**

100W: 0.2

85W: 0.22

70W: 0.25

50W: 0.35

**Surge Protection:**

DM 4 kV+ CM 6 kV

**Performance**

**Lifespan:**

100,000-Hour LED lifespan based on IESlm-80 results and TM-21 calculations

**Performance Data:**

[Click here for the W22-M-100 performance data](#)

**Wattage Equivalency:**

100W: Replaces up to 400W Metal Halide (MH) or 310W High Pressure Sodium (HPS)

85W: Replaces up to 400W Metal Halide (MH) or 250W High Pressure Sodium (HPS)

70W: Replaces up to 350W Metal Halide (MH) or 200W High Pressure Sodium (HPS)

50W: Replaces up to 250W Metal Halide (MH) or 200W High Pressure Sodium (HPS)

**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.

## Technical Specifications (continued)

### Construction

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**Housing:**

Die-cast aluminum

**Lens:**

Glass

**Reflector:**

Aluminum

**Cold Weather Starting:**

The minimum starting temperature is 32°F/0°C

Ambient Temperature

**Maximum Ambient Temperature:**

Suitable for use in up to 122°F (50°C)

**Green Technology:**

Mercury and UV free. RoHS-compliant components.

**Finish:**

Formulated for high durability and long-lasting color

### Installation

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**Mounting:**

Surface mount for recessed junction box; 3 conduit entry points

### Optical

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**BUG Rating:**

100W: B3 U5 G5

85W: B2 U4 G5

70W: B2 U4 G5

50W: B2 U4 G4

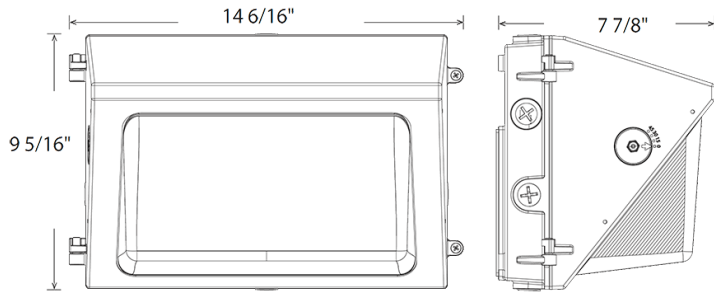
### Other

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**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](http://rablighting.com/warranty).

**Dimensions**



**Features**

- 100,000-Hour LED lifespan
- 0-10V dimming standard
- 5-Year, limited warranty

**Ordering Matrix**

Family	Housing Size	Wattage	Color Temp	Finish	Forward Throw	Driver	Controls	Battery Backup
W22	M	100						/E
	M = Medium L = Large S = Small	30 = 30/25/20/15W <sup>1</sup> 60 = 60/50/40/30W <sup>2</sup> 100 = 100/85/70/50W <sup>2</sup> 150 = 150/125/100/75W <sup>3</sup>	Blank = 3000/4000/5000K Adjustable	Blank = Bronze W = White	Blank = Adjustable Throw 0°/15°/30°/45°	Blank = 120-277V /480 = 480V	Blank = Selectable Photocell /LCBS/MVS = Selectable Photocell w/Lightcloud Blue MVS Sensor	Blank = None /E = Battery Backup

<sup>1</sup> S (Small) models only

<sup>2</sup> M (Medium) models only

<sup>3</sup> L (Large) models only

<sup>4</sup> Battery backup available only on M (Medium) and L (Large) models with 120-277V