



This ultra-high efficiency LED large garage light delivers up to 111 lumens per Watt. Available in 70, 80 and 105W versions. Fixture measures 18" L x 18" W.

Color: Bronze

Weight: 19.6 lbs

| | |
|---------------------|--------------|
| Project: | Type: |
| Prepared By: | Date: |

| Driver Info | | LED Info | |
|--------------|------------------|-----------------|---------|
| Type: | Constant Current | Watts: | 70W |
| 120V: | 0.59A | Color Temp: | 5000K |
| 208V: | 0.37A | Color Accuracy: | 74 CRI |
| 240V: | 0.32A | L70 Lifespan: | 100000 |
| 277V: | 0.28A | Lumens: | 7835 |
| Input Watts: | 71W | Efficacy: | 111 LPW |
| Efficiency: | 99% | | |

Technical Specifications

Listings

UL Listing:

Suitable for wet locations.

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Electrical

Driver:

Constant current, Class 2, 100 - 277V and 480V, 50/60 Hz, 120V: 0.59A, 208V: 0.37A, 240V: 0.32A, 277V: 0.27A, 480V: 0.15A, surge protection 4kV, THD ≤ 20%, pF 90%

THD:

5% at 120V, 15.5% at 277V

Power Factor:

99.4% at 120V, 92.7% at 277V

Emergency Battery Backup:

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

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water

Lens:

Frosted polycarbonate

Gaskets:

High temperature silicone.

Ambient Temperature:

Suitable for use in 104° F (40° C) ambient temperatures.

Finish:

Formulated for high-durability and long lasting color.

Cold Weather Starting:

Minimum starting temperature is -40° F (-40° C)

Thermal Management:

Superior thermal management with external "Air-Flow" fins.

Housing:

Die-cast aluminum and sheetmetal housing

Mounting:

Die-cast aluminum backbox with (4) 1/2" conduit openings with plugs. Hinged tether for easy installation and wiring. Also accommodates 1/2" or 3/4" NPS pendants (provided by others).

Lens:

High-transmission and vandal-resistant polycarbonate frosted lens

Reflector:

Specular polycarbonate

Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

LED Characteristics

LEDs:

Long-life, high-efficiency surface mounting LEDs

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2015.

HID Replacement Range:

Replaces 175W Metal Halide.

Other

California Title 24:

See PORTO with 0-10V dimming (D10) driver for a compliant California Title 24.

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

Technical Specifications (continued)

Other

Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

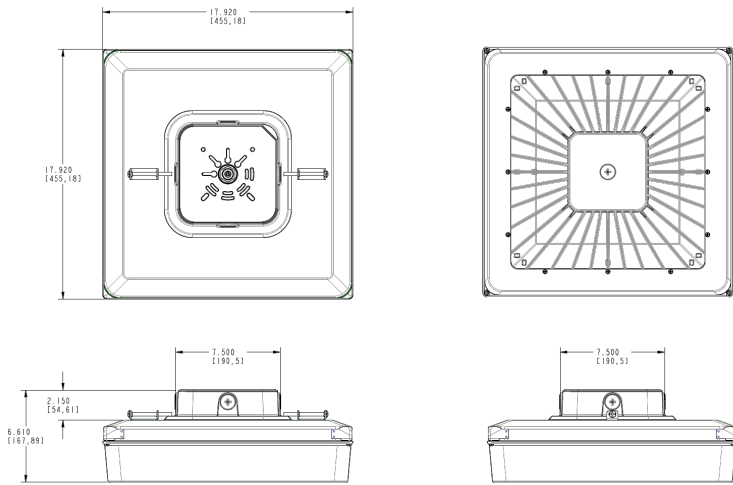
Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

Dimensions



Features

- Ultra-high efficiency
- Pendant or surface mount
- Low glare, vandal-resistant polycarbonate lens
- 20% uplight eliminates "cave effect"
- 100,000-Hour LED lifespan
- 5-year warranty

Ordering Matrix

| Family | Wattage | Color Temp | Finish | Driver Options | Sensor Options |
|--------|--|---|-----------------------------|---|--|
| PRT | 105 = 105W 80 = 80W 70 = 70W 55 = 55W 42 = 42W 30 = 30W | Blank = 5000K (Cool) N = 4000K (Neutral) Y = 3000K (Warm) | Blank = Bronze W = White | Blank = 120-277V On/Off /480 = 480V On/Off /D10 = 120-277V w/ 0-10V Dimming /480/D10 = 480V w/ 0-10V Dimming /E2 = Emergency Battery Backup | Blank = No Sensor /WS = Multi-Level Motion Sensor for 14" /WS2 = Multi-Level Motion Sensor for 18" /PCS = 120V Swivel Photocell /PCS2 = 277V Swivel Photocell /PCS4 = 480V Swivel Photocell /LC = Lightcloud |