



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: White

Weight: 19.6 lbs

Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type:	Constant Current	Watts:	80W
120V:	0.68A	Color Temp:	5000K
208V:	0.42A	Color Accuracy:	74 CRI
240V:	0.36A	L70 Lifespan:	100000
277V:	0.31A	Lumens:	8771
Input Watts:	82W	Efficacy:	107 LPW
Efficiency:	97%		

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: 0.68A, 208V: 0.42A, 240V: 0.36A, 277V: 0.31A, 480V: 0.23A, surge protection 4kV, THD ≤ 20%, pF 90%

THD:

4.3% at 120V, 12.9% at 277V

Power Factor:

99.6% at 120V, 94.3% at 277V

Emergency Battery Backup:

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

Dimming Driver:

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

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 Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period

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 200W Metal Halide.

Other

Lightcloud Compatibility:

This product is compatible with the

Technical Specifications (continued)

Other

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.

California Title 24:

PORTO with 0-10V dimming driver (/D10) complies with 2013 California Title 24 building and electrical codes as non-residential indoor fixture when used with the RAB Stealth.

Country of Origin:

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

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:

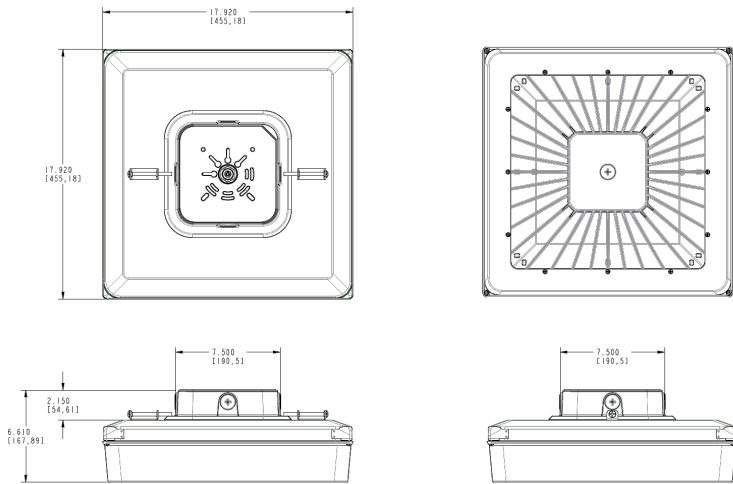
Suitable in accordance with FAR Subpart 25.4.

Sensor Specifications

Handheld Wireless Configuration Tool:

Adjust settings using handheld wireless configuration tool. Only available with 0-10V dimming driver options.

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