



This ultra high efficiency LED large garage light delivers up to 111 lumens per Watt. An integrated motion/photo sensor option provides multi-level lighting control. 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:	3000K
208V:	0.42A	Color Accuracy:	71 CRI
240V:	0.36A	L70 Lifespan:	100000
277V:	0.31A	Lumens:	8,400
Input Watts:	81W	Efficacy:	103 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.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

DLC Product Code: P9RE393H

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:

5% at 120V, 12.8% at 277V

Power Factor:

99.5% at 120V, 94.2% at 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 40°C ambient temperatures.

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

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 mount 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 C78.377-2011.

Other

Lightcloud Compatibility:

This product is compatible with the

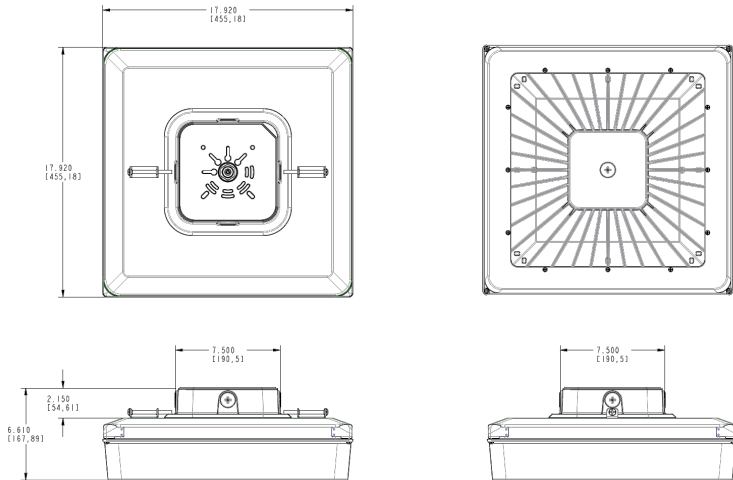
Warranty:

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.

Technical Specifications (continued)

<p>Other</p> <hr/> <p>Country of Origin: Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.</p> <p>Buy American Act Compliant: This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.</p> <p>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).</p> <p>Trade Agreements Act Compliant: This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.</p> <p>GSA Schedule: Suitable in accordance with FAR Subpart 25.4.</p> <p>California Title 24: PORTO models with multi-level motion sensor (WS) complies with 2013 California Title 24 building and electrical codes as commercial indoor fixtures for corridors, stairwells, warehouses and covered parking garages.</p> <p>Sensor Specifications</p> <hr/> <p>Operating Voltage: 120V or 277V</p>	<p>Power Consumption: 1W</p> <p>0-10V Sinking Current: 50mA</p> <p>Adjustable High and Low Modes: High: 0-10V; Low: off, 0-9.8V</p> <p>Adjustable Time Delay: Amount of time in high mode with no motion before switching to low mode: 5 min., 1 -30 min.</p> <p>Adjustable Cut Off Delay: Time in which the fixture will remain on low mode with no motion before turning off and waiting for new motion to turn on: None, 1 -60 min., 1 -5 hrs.</p> <p>Adjustable Sensitivity: None, low, medium, maximum</p> <p>Adjustable Setpoint: None, 1 to 250 fc, auto</p>	<p>Adjustable Ramp Up and Fade Down Times: 1 to 60 sec.</p> <p>Operating Temperature: -40°F/-40°C. to 167°F (-40°C to +75°C)</p> <p>Operating Humidity: 20% to 90% noncondensing</p> <p>Relay Life Rating: 200,000 cycles (120/277VAC), 50,000 cycles (230VAC)</p> <p>IP Rating: Ingress Protection rating of IP66 for dust and water.</p> <p>UL Listing: Suitable for Wet Locations as factory installed.</p> <p>Handheld Wireless Configuration Tool: Adjust settings using handheld wireless configuration tool. Only available with 0-10V dimming driver options.</p>
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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	Watts	Color Temp	Finish	Voltage	Dimming	Sensor	Photocell
PRT	80	Y	W		/D10	/WS2	
	70 = 70W 80 = 80W 105 = 105W	Blank = 5000K (Cool) Y = 3000K (Warm) N = 4000K (Neutral)	Blank = Bronze W = White	Blank = 120-277V /480 = 480V	Blank = No Dimming /D10 = Dimmable	Blank = No Multi-Level Motion Sensor /WS2 = Multi-Level Motion Sensor (Only available for 120-277V with /D10)	Blank = No Photocell /PCS = 120V Swivel /PCS2 = 277V Swivel /PCS4 = 480V Swivel