PRT80/D10/WS2

RAB LIGHTING

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:	8,771
Input Watts:	82W	Efficacy:	107 LPW
Efficiency:	97%		

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: Bronze   Weight: 19.6 lbs

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: PQC4VG8V

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

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 accomodates 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 warrantied 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.

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Technical Specifications (continued)

Other

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.

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

Operating Voltage:

120V or 277V

Power Consumption:

1W

0-10V Sinking Current:

50mA

Adjustable High and Low Modes:

High: 0-10V; Low: off, 0-9.8V

Adjustable Time Delay:

Amount of time in high mode with no motion before switching to low mode: 5 min., 1 -30 min.

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.

Adjustable Sensitivy:

None, low, medium, maximum

Adjustable Setpoint:

None, 1 to 250 fc, auto

Adustable Ramp Up and Fade Down Times:

1 to 60 sec.

Operating Temperature:

-40°F/-40°C. to 167°F (-40°C to +75°C)

Operating Humidity:

20% to 90% noncondensing

Relay Life Rating:

200,000 cycles (120/277VAC), 50,000 cycles (230VAC)

IP Rating:

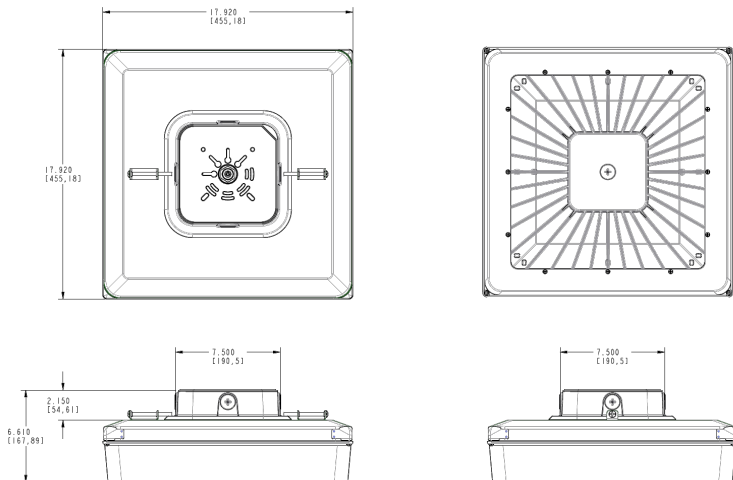Ingress Protection rating of IP66 for dust and water.

UL Listing:

Suitable for Wet Locations as factory installed.

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

Need help? Tech help line: **(888) RAB-1000** Email: **sales@rabweb.com** Website: **www.rabweb.com**

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RAB LIGHTING

Ordering Matrix

Family	Watts	Color Temp	Finish	Voltage	Dimming	Sensor	Photocell
PRT	80				/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 |

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