



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

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

| Driver Info  |                  | LED Info        |         |
|--------------|------------------|-----------------|---------|
| Type:        | Constant Current | Watts:          | 80W     |
| 120V:        | 0.68A            | Color Temp:     | 4000K   |
| 208V:        | 0.42A            | Color Accuracy: | 73 CRI  |
| 240V:        | 0.36A            | L70 Lifespan:   | 100000  |
| 277V:        | 0.31A            | Lumens:         | 8,495   |
| Input Watts: | 81W              | Efficacy:       | 105 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: PYZNDWXV

### 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:

5.3% at 120V, 13.6% at 277V

#### Power Factor:

99.6% 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

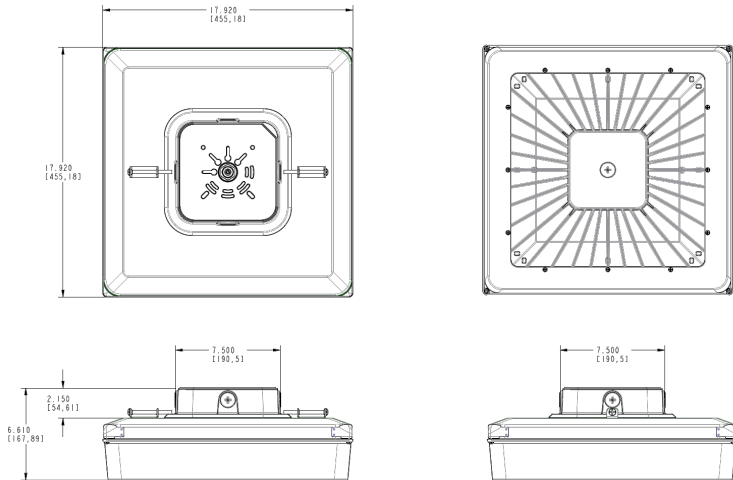
#### Warranty:

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