# PRT42NW/PCS2

This ultra high efficiency LED garage light delivers up to 118 lumens per Watt. An integrated motion/photo sensor option provides multi-level lighting control. Available in 30, 42 and 55 Watt versions that replace 70 to 175 Watt metal halide fixtures.

Color: White

Weight: 10.6 lbs

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

| Driver Info | | LED Info | |
|---|---|---|---|
| Type: | Constant Current | Watts: | 42W |
| 120V: | N/A | Color Temp: | 4000K (Neutral) |
| 208V: | N/A | Color Accuracy: | 73 CRI |
| 240V: | N/A | L70 Lifespan: | 100,000 |
| 277V: | N/A | Lumens: | 4,382 |
| Input Watts: | 42W | Efficacy: | 103 LPW |
| Efficiency: | 99% | | |

## Technical Specifications

### Listings

**UL Listing:**

Suitable for wet locations.

**DLC Listed:**

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

**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

**Drivers:**

Constant Current, Class 2 100V - 277V, 50/60 Hz. THD <20%.

### Construction

**Lens:**

Frosted polycarbonate

**Gaskets:**

High temperature silicone.

**IP Rating:**

Ingress Protection rating of IP66 for dust and water.

**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, and RoHS compliant. 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 C78.377-2008.

### Other

**PRT42 with Photocell:**

277V Swivel Photocell Included. Photocell is compatible with 208V-277V.

**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.

**Buy American Act Compliant:**

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


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## Technical Specifications (continued)

### Other

**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).

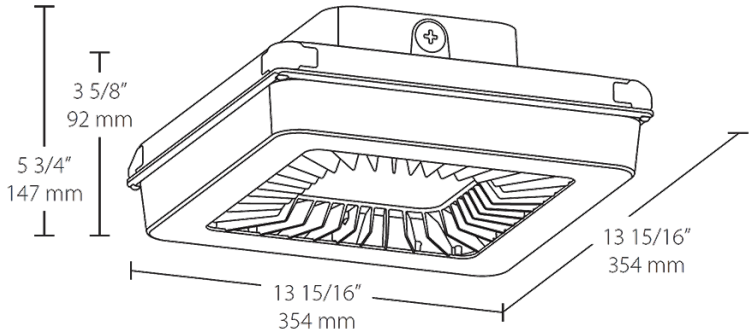
**Trade Agreements Act Compliant:**

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
- IP 66 rated, keeps water and dust out
- 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 | Dimming | Sensor | Voltage | Photocell |
|---|---|---|---|---|---|---|---|
| PRT | | | | | | | |
| | **30** = 30W<br>**42** = 42W<br>**55** = 55W | **Blank** = Cool<br>**Y** = Warm<br>**N** = Neutral | **Blank** = Bronze<br>**W** = White | **Blank** = No Dimming<br>**/D10** = Dimmable | **/WS** = Multi-Level Motion Sensor (Only available for 120-277V with /D10) | **Blank** = 120-277V<br>**/480** = 480V | **Blank** = No Photocell<br>**/PCS** = 120V Swivel<br>**/PCS2** = 277V Swivel<br>**/PCS4** = 480V Swivel |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