PRT105Y/WS2

RAB®

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

Driver Info

Type	Constant Current
120V	0.87A
208V	0.52A
240V	0.45A
277V	0.39A
Input Watts	103.5W

LED Info

Watts	105W
Color Temp	3000K (Warm)
Color Accuracy	73 CRI
L70 Lifespan	100,000 Hours
Lumens	11,821 lm
Efficacy	114.2 lm/W

Technical Specifications

Compliance

UL Listed:
Suitable for wet locations

IP Rating:
Ingress protection rating of IP66 for dust and water

DLC Listed:
This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.
DLC Product Code: PTXHW7NW

Electrical

Driver:
Constant current, Class 2, 100 - 277V and 480V, 50/60 Hz, 120V: 0.87A, 208V: 0.52A,240V: 0.45A, 277V: 0.38A, 480V: 0.23A, surge protection 4kV, THD ≤ 20%, pF 90%

Dimming Driver:
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:
3.1% at 120V, 7.1% at 277V

Power Factor:
99.9% at 120V, 95.6% at 277V

Construction

Lens:
Frosted polycarbonate

Gaskets:
High-temperature silicone

Ambient Temperature:
Suitable for use in up to 40°C (104°F)

Finish:
Formulated for high durability and long-lasting color

Cold Weather Starting:
The minimum starting temperature is -40°C (-40°F)

Thermal Management:
Superior thermal management with external "Air-Flow" fins

Housing:
Die-cast aluminum and sheetmetal housing. Polycarbonate is affected by cleaning agents or other liquids containing partial solvents such as low molecular weight aldehydes and ethers, ketones, esters, aromatic hydrocarbons and perchlorinated hydrocarbons. Click here for a detailed list of damaging chemicals.

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).

Reflector:
Specular polycarbonate

Green Technology:
Mercury and UV free. RoHS-compliant components.

LED Characteristics

LEDs:
Long-life, high-efficacy, surface-mount LEDs

Color Consistency:
7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Technical Specifications (continued)

Color Uniformity:
RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Performance

Lifespan:
100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Wattage Equivalency:
Equivalent to 400W Metal Halide

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. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Buy American Act Compliance:
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Sensor Specifications

Operating Voltage:
120-277V

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

Operating Temperature:
-40°F 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:
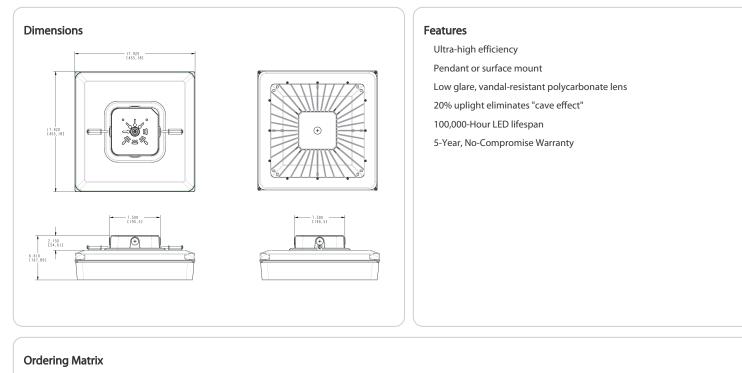Ingress protection rating of IP66 for dust and water

UL Listed:
Suitable for Wet Locations as factory installed

Handheld Wireless Configuration Tool:
Adjust settings using handheld wireless configuration tool (catalog# WSREM). Only available with 0-10V dimming driver options. Handheld wireless configuration tool available here.

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RAB

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, No-Compromise Warranty

Ordering Matrix

Family	Wattage	Color Temp	Finish	Driver Options	Options	Other Options
PRT	105	Y			/WS2	
	30 = 30W (14" x 14") **42 =** 42W (14" x 14") **55 =** 55W (14" x 14") **70 =** 70W (18" x 18") **80 =** 80W (18" x 18") **105 =** 105W (18" x 18")	**Blank =** 5000K Cool **N =** 4000K Neutral **Y =** 3000K Warm	**Blank =** Bronze **W =** White	**Blank =** 120-277V, 0-10V Dimming **/480 =** 480V, 0-10V Dimming	**Blank =** No Option **/E =** Battery Backup **/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® Controller **/LCS =** Lightcloud® Sensor	**Blank =** Standard **USA =** BAA Compliant

[1] *Only available for 120-277V.*

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

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