PRT105/D10/E2

RAB LIGHTING

Project:	Type:
Prepared By:	**Date:**

This ultra-high efficiency LED large garage light delivers up to 111 lumens per Watt. 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:	103W		
Efficiency:	N/A		

LED Info

Watts:	105W
Color Temp:	5000K
Color Accuracy:	74 CRI
L70 Lifespan:	100000
Lumens:	9995
Efficacy:	97 LPW

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.

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%

THD:

3.2% at 120V, 8.4% at 277V

Power Factor:

99.8% at 120V, 96.8% at 277V

Emergency Battery Backup:

Emergency battery backup will operate the fixture for 90 minutes if power fails. Wired for 120-277V.

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 104° F (40° C) ambient temperatures.

Finish:

Formulated for high-durability and long lasting color.

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 mounting 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 C78.377-2015.

Replacement:

Replaces 250W 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.

Technical Specifications (continued)

Other

California Title 24:

PORTO with 0-10V dimming driver (/D10) complies with 2013 California Title 24 building and electrical codes as non-residential indoor fixture when used with the RAB Stealth.

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.
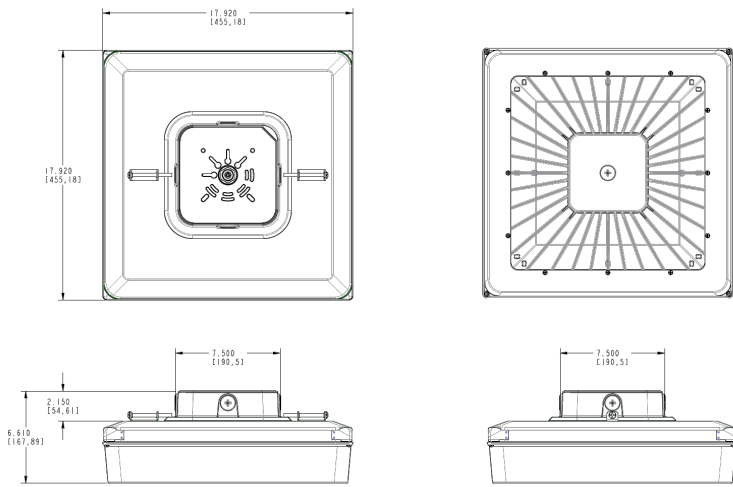
GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

Sensor Specifications

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

Ordering Matrix

Family	Wattage	Color Temp	Finish	Driver Options	Sensor Options
PRT					
	105 = 105W	**Blank** = 5000K (Cool)	**Blank** = Bronze	**Blank** = 120-277V On/Off	**Blank** = No Sensor
	80 = 80W	**N** = 4000K (Neutral)	**W** = White	**/480** = 480V On/Off	**/WS** = Multi-Level Motion Sensor for 14"
	70 = 70W	**Y** = 3000K (Warm)		**/D10** = 120-277V w/ 0-10V Dimming	**/WS2** = Multi-Level Motion Sensor for 18"
	55 = 55W			**/480/D10** = 480V w/ 0-10V Dimming	**/PCS** = 120V Swivel Photocell
	42 = 42W			**/E2** = Emergency Battery Backup	**/PCS2** = 277V Swivel Photocell
	30 = 30W				**/PCS4** = 480V Swivel Photocell
					/LC = Lightcloud

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

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