# PRT70YW/LCS

# RAB



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: White

Weight: 19

# Project: Type: Prepared By: Date: Driver Info LED Info

Driver mild					
	Туре	Constant Current	Watts	70W	
	120V	0.59A	Color Temp	3000K (Warm)	
	208V	0.37A	Color Accuracy	73 CRI	
	240V	0.32A	L70 Lifespan	100,000 Hours	
	277V	0.28A	Lumens	8,877 lm	
	Input Watts	69.6W	Efficacy	127.5 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 listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements. DLC Product Code: PUT6UNEB

# Electrical

#### Driver:

Constant current, Class 2, 100 - 277V and 480V, 50/60 Hz, 120V: 0.59A, 208V: 0.37A,240V: 0.32A, 277V: 0.27A, 480V: 0.15A, 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:

5.1% at 120V, 15.6% at 277V

**Power Factor:** 99.4% at 120V, 92.3% at 277V

# Construction

Lens: Frosted polycarbonate

Gaskets: High-temperature silicone

# Ambient Temperature:

Suitable for use in up to  $40^{\circ}C$  ( $104^{\circ}F$ )

# Finish:

Formulated for high durability and long-lasting color

# Cold Weather Starting:

The minimum starting temperature is -40°C (-40°F)

#### 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. <u>Click here for a detailed list of</u> <u>damaging chemicals.</u>

#### 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

#### **Color Stability:**

LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

#### **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.

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# **Technical Specifications (continued)**

# Performance

# Lifespan:

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

# Wattage Equivalency:

Equivalent to 250W Metal Halide

# Lightcloud

#### Lightcloud Sensor Installed:

Occupancy, vacancy, and closed loop daylight harvesting in one versatile sensor. In addition control any fixture in your Lightcloud integrated/embedded networked lighting luminaire-level control system. LLLC - capable of switching, 0-10Vdimming, power/energy monitoring. Can also be used to extend the range of the Lightcloud mesh network communication protocols.

DLC system - N1XMLOEATBA Learn more about Lightcloud.

#### Other

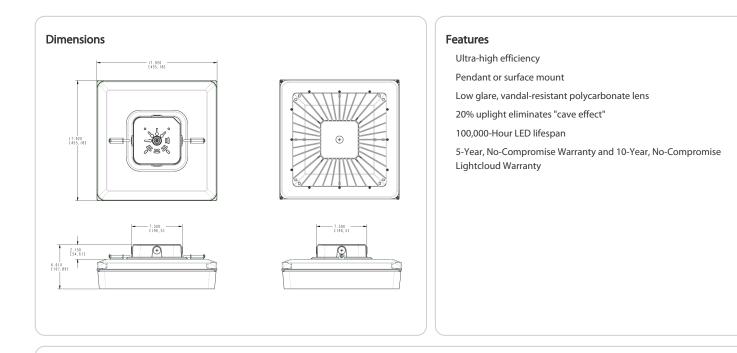
### Warranty:

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 <u>rablighting.com/warranty</u>.

# **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.

# PRT70YW/LCS



# **Ordering Matrix**

Family	Wattage	Color Temp	Finish	<b>Driver Options</b>	Options	Other Options
PRT	70	Y	W		/LCS	
	<b>30</b> = 30W (14" x 14") <b>42</b> = 42W (14" x 14") <b>55</b> = 55W (14" x 14") <b>70</b> = 70W (18" x 18") <b>80</b> = 80W (18" x 18") <b>105</b> = 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 /PCS4 = 480V Swivel Photocell /LC5 = Lightcloud® Controller /LC5 = Lightcloud® Sensor	<b>Blank =</b> Standard <b>USA =</b> BAA Compliant
<sup>1</sup> Only available for 120-277V.						