PRT80SW/480

RAB

Project:		Type:	
Prepared By:		Date:	

Color: White   Weight: 6.9 lbs

Driver Info

Type	Constant Current
120V	N/A
208V	N/A
240V	N/A
277V	N/A
Input Watts	60.8-82.6W

LED Info

Watts	80/70/60W
Color Temp	3500/4000/5000K
Color Accuracy	79-81 CRI
L70 Lifespan	100,000 Hours
Lumens	8,435-11,646 lm
Efficacy	133.2-145.9 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:
Field Adjustable Light Output:
55W/42W/30W (factory default 55W)
Color Temperature Selectable:
3500K, 4000K and 5000K (factory default 4000K)
On/Off Photocell (factory default "Off")

Compliance

UL Listed:
Suitable for wet locations

IP Rating:
Ingress protection rating of IP65 for dust and water

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

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: S-VWSXYT

Performance

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

Driver:
80W: Constant Current, Class 1, 50/60 Hz, 480V, 480V: 0.20A
70W: Constant Current, Class 1, 50/60 Hz, 480V, 480V: 0.15A
60W: Constant Current, Class 1, 50/60 Hz, 480V, 480V: 0.13A

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 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.

Electrical

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

THD:
80W: 12.05% at 480V
70W: 13.43% at 480V
60W: 15.15% at 480V

Power Factor:
80W: 95.4% at 480V
70W: 94.2% at 480V
60W: 92.6% at 480V

Surge Protection:
Ringwave LN4kV/LN-GND 6kV

Aux Power Supply:
Yes

Dim to Off:
Yes

Photocell:
Integrated photocell included with on/off switch (factory default: off)

Technical Specifications (continued)

Construction

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

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

Gaskets:
High-temperature silicone

Housing:
Die-cast aluminum

Lens:
Polycarbonate lens

Reflector:
Polycarbonate

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

Finish:
Formulated for high durability and long-lasting color

Installation

Mounting:
Surface and pendant mounting

Optical

BUG Rating:
80W: B3 U5 G5
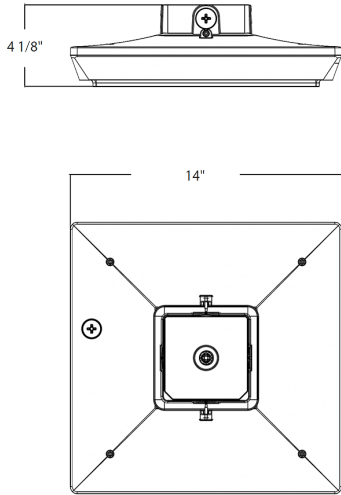70W: B3 U5 G5
60W: B3 U4 G5

Other

5 Yr Limited Warranty:
The RAB 5-year, limited warranty covers light output, driver performance and paint 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.

Dimensions

4 1/8"

14"

Features

IP65 rated

100,000-Hour LED lifespan

5-Year Limited Warranty

Ordering Matrix

Family	Wattage	Color Temp	Shape	Finish	Driver	Options
PRT	80		S	W	/480	

Wattage:
55 = 55/42/30W
80 = 80/70/60W
110 = 110/95/80W

Color Temp:
Blank = 3500/4000/5000K Adjustable CCT

Shape:
R = Round
S = Square

Finish:
Blank = Bronze
W = White

Driver:
Blank = 120-277V, 0-10V Dimming, On/Off Photocell
/480 = 480V, 0-10V Dimming, On/Off Photocell

Options:
Blank = On/Off Photocell [1]
/E = Battery Backup & On/Off Photocell [2]
/LC = Lightcloud
/LCB = Lightcloud Blue
/LC/E = Lightcloud w/Battery Backup [2]
/LCB/E = Lightcloud Blue w/ Battery Backup [2]

[1] *Integrated photocell can't be used when ordered with LC or LCB options*
[2] *Battery backup only available on 120-277V models*

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

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