PRT80RW/LC/E

RAB®

Project:	Type:
Prepared By:	Date:

Driver Info

Type	Constant Current
120V	0.75A/0.60A/0.50A
208V	0.46A/0.34A/0.29A
240V	0.40A/0.30A/0.25A
277V	0.32A/0.26A/0.22A
Input Watts	55.9-77.7W

LED Info

Watts	80/70/60W
Color Temp	3500/4000/5000K
Color Accuracy	79-81 CRI
L70 Lifespan	100,000 Hours
Lumens	8,235-11,195 lm
Efficacy	136.2-151.7 lm/W

Color: White   Weight: 0.0 lbs

Technical Specifications

Field Adjustability

Field Adjustable:
Field Adjustable Light Output:
80W/70W/60W (factory default 80W)
Color Temperature Selectable:
3500K, 4000K and 5000K (factory default 4000K)
On/Off Photocell (factory default "Off")

Lightcloud

Lightcloud Controller Installed:
Fixture, Zone, and plug-load control from one powerful device. Capable of switching, 0-10V dimming, power monitoring. Can also be used to extend the range of the Lightcloud mesh network. Attach to fixture, junction box, or electrical panel.
Learn more at www.lightcloud.com

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-RHVW68

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, 120V-277V, 120V: 0.75A, 208V: 0.46A; 240V: 0.40A, 277V: 0.32A
70W: Constant Current, Class 1, 50/60 Hz, 120V-277V, 120V: 0.60A, 208V: 0.34A; 240V: 0.30A, 277V: 0.26A
60W: Constant Current, Class 1, 50/60 Hz, 120V-277V, 120V: 0.50A, 208V: 0.29A; 240V: 0.25A, 277V: 0.22A

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: 5.41% at 120V, 8.9% at 277V
70W: 6.66% at 120V, 9.7% at 277V
60W: 7.38% at 120V, 7.51% at 277V

Power Factor:
80W: 99.7% at 120V, 96.1% at 277V
70W: 99.6% at 120V, 94.9% at 277V
60W: 99.5% at 120V, 93.9% at 277V

Battery Backup:
Battery backup will operate the fixture for 90 minutes if power fails. Wired for 120-277V.

Battery Backup Light Loss Factor:
80W: 10%
70W: 12%
60W: 14%

Technical Specifications (continued)

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)

Construction

Cold Weather Starting:
The minimum starting temperature is 0°C (32°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
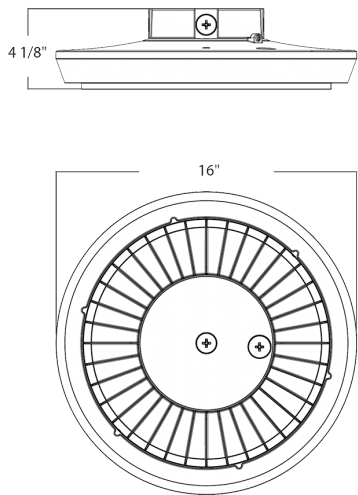70W: B3 U5 G5
60W: B3 U4 G5

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"

16"

Features

IP65 rated

100,000-Hour LED lifespan

5-Year Limited Warranty

Ordering Matrix

Family	Wattage	Color Temp	Shape	Finish	Driver	Options
PRT	80		R	W		/LC/E

	Wattage	Color Temp	Shape	Finish	Driver	Options
	55 = 55/42/30W **80 =** 80/70/60W **110 =** 110/95/80W	**Blank =** 3500/4000/5000K Adjustable CCT	**R =** Round **S =** Square	**Blank =** Bronze **W =** White	**Blank =** 120-277V, 0-10V Dimming **/480 =** 480V, 0-10V Dimming	**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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