WPX3/480/LCBS/MVS

RAB

Project:	Type:
Prepared By:	Date:

Color: Bronze   Weight: 11.8 lbs

Driver Info

Type	Constant
120V	N/A
208V	N/A
240V	N/A
277V	N/A
Input Watts	68-130.7W

LED Info

Watts	130/100/65W
Color Temp	3000/4000/5000K
Color Accuracy	82-86 CRI
L70 Lifespan	100,000 Hours
Lumens	9,946-18,809 lm
Efficacy	131.7-153.2 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:
Field Adjustable Light Output:
130W/100W/65W (factory default 130W)
Color temperature selectable 3000K, 4000K and
5000K (factory default 4000K)

Compliance

UL Listed:
Suitable for wet locations

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

Trade Agreements Act Compliant:
This product is a product of Cambodia and a
"designated country" end product that complies
with the Trade Agreements Act

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-NQRGMQ

Electrical

Driver:
Constant Current, Class 1, 480V, 50/60 Hz
130W: 480V: 0.30A
100W: 480V: 0.25A
65W: 480V: 0.18A

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

THD:
130W: 13.28% at 480V
100W: 14.56% at 480V
65W: 17.86% at 480V

Power Factor:
130W: 90% at 480V
100W: 87% at 480V
65W: 79.9% at 480V

Photocell:
Integrated photocell included with on/off switch

Surge Protection:
6kV

Performance

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

Wattage Equivalency:
130W: Replaces up to 400W Metal Halide (MH) or
400W High Pressure Sodium (HPS)
100W: Replaces up to 400W Metal Halide (MH) or
310W High Pressure Sodium (HPS)
65W: Replaces up to 350W Metal Halide (MH) or
200W High Pressure Sodium (HPS)

LED Characteristics

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

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.

Construction

Housing:
Aluminum alloy

Lens:
Prismatic, heat-resistant borosilicate glass

Technical Specifications (continued)

Reflector:
Aluminum

Gaskets:
High-temperature silicone

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)

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

Finish:
Formulated for high durability and long-lasting color

Installation
Mounting:
Hinged wiring access and conduit entries on the back sides, top and bottom make installation a snap

Other
Warranty:
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of ten (10) 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.

Lightcloud
Lightcloud Blue:
Lightcloud Blue is a Bluetooth Mesh wireless lighting control system that allows you to control RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and large commercial applications using the Lightcloud Blue mobile app. Each device in a system can communicate with any other device, eliminating the need for a Gateway or Hub and maximizing the control system's reach.

DLC system - N1XMLOEATBA (Interior); NHCZ2BIA17L (Exterior)

Learn more at www.lightcloud.com.

Gateway Required:
No

Communication Protocol:
Bluetooth Mesh

Range:
Indoor: Up to 60 feet between standard building materials. Building materials such as brick, concrete, and steel construction may require additional Lightcloud Blue devices to extend around an obstruction; Up to 200 feet clear line of sight.

Outdoor: Up to 60 feet clear line of sight; Up to 18 feet around corners

Spacing Criteria:
Lightcloud Blue devices should be placed within the specified range to communicate within the Bluetooth Mesh network.

Sensor Settings
Sensor Connection Type:
RJ09

Max Mounting Height:
40 ft

Detection Range:
9 ft to 23 ft

Sensor Technology:
Microwave (MVS)

Default Setting:
Uncommissioned State:
Motion Sensitivity: High
Brightness when triggered: 100%
Hold time: 20 minutes
Standby to dim: 20%
Standby time: 1 minute
When vacant: Off

Commissioned State:
Once paired, the sensor will default to disabled.
Once enabled the following settings apply:
Motion Sensitivity: High
Brightness when triggered: Last on status
Hold time: 20 minutes
Standby time: 1 minute
When vacant: Off

Adjustable Sensor Settings?:
Yes, using the Lightcloud Blue mobile app

Sensing Type:
Occupancy or Vacancy (option to disable or set as an independent sensor)

Occupied Actions:
On or On at a Dim Level

Vacant Actions:
Off or On at a Dim Level

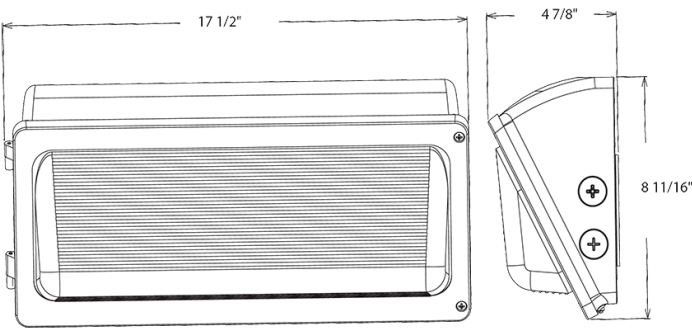**Occupancy Timeout:**
1 minute to 240 minutes

Daylight Sensing:
The sensor will determine to trigger the light(s) on or not based on the daylight threshold level set in the Lightcloud Blue mobile app.

Daylight Threshold:
150 lux to 1500 lux

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Dimensions

17 1/2"

4 7/8"

8 11/16"

Features

- 100,000-Hour LED lifespan
- 0-10V dimming standard
- 10-Year, no-compromise warranty

Ordering Matrix

Family	Wattage	Color Temp	Finish	Driver	Options
WPX	3			/480	/LCBS/MVS

	Wattage	Color Temp	Finish	Driver	Options
	1 = 30/20/15W **2 =** 80/60/40W **3 =** 130/100/65W	**Blank =** 3000/4000/5000K CCT Adjustable	**Blank =** Bronze **W =** White	**Blank =** 120-277V, 0-10V Dimming **/480 =** 480V, 0-10V Dimming	**Blank =** Selectable On/Off Photocell **/MVS =** Microwave Motion Sensor **/LC =** Lightcloud **/LCB =** Lightcloud Blue [2] **/LCBS/MVS =** Lightcloud Blue w/MVS Sensor **/E =** Battery Backup [3] **/MVS/E =** Microwave Motion Sensor w/Battery Backup [3] **/LC/E =** Lightcloud w/Battery Backup [3]

[1] *480V available only in WPX2 and WPX3 models*
[2] */LCB option available only for 120-277V models*
[3] *Battery backup available only for WPX2 and WPX3 in 120-277V models*

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

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