



Color: Bronze

Weight: 7.9 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant Current
120V	0.83A/0.67A/0.50A
208V	0.48A/0.38A/0.29A
240V	0.44A/0.35A/0.26A
277V	0.38A/0.30A/0.23A
Input Watts	59.3-102.7W

LED Info

Watts	100/80/60W
Color Temp	3000/4000/5000K
Color Accuracy	82-84 CRI
L70 Lifespan	100,000 Hours
Lumens	8,906-15,364 lm
Efficacy	141.7-158.6 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:

Field Adjustable Light Output:  
100W/80W/60W (factory default 100W)  
Color temperature (selectable by 3000K, 4000K and 5000K)

Compliance

UL Listed:

Suitable for wet locations

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.

IP Rating:

Ingress protection rating of IP65 for dust and water

Performance

Lifespan:

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

Wattage Equivalency:

100W: 400W Metal Halide  
80W: 400W Metal Halide  
60W: 250W Metal Halide

LED Characteristics

LEDs:

Long-life, high-efficiency, surface-mount LEDs

Electrical

Driver:

100W: Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 0.83A, 208V: 0.48A, 240V: 0.44A, 277V: 0.38A  
80W: Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 0.67A, 208V: 0.38A, 240V: 0.35A, 277V: 0.30A  
60W: Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 0.50A, 208V: 0.29A, 240V: 0.26A, 277V: 0.23A

Dimming Driver:

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

THD:

13.42% at 120V, 9.88% at 277V

Power Factor:

98.8% at 120V, 97% at 277V

Photocell:

120-277V selectable photocell that can be turned on and off.

Construction

Cold Weather Starting:

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

Maximum Ambient Temperature:

Suitable for use in up to 50°C (122°F)

Housing:

Die-cast aluminum

Lens:

Tempered glass

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Installation

Mounting:

Wall mount

Technical Specifications (continued)

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](http://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](http://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.

Factory Reset:

Method 1: Delete from App  
Open the app and access the device settings for the paired device. Be sure that the device is online (green status bars in app) and select 'Delete from Site'. The device will flash on/off 5 times and return to full brightness.

Method 2: Manual  
Press and hold down the button located at the top of the Controller for 10 seconds or until the light flashes on/off 3 times. The status indicator light will flash red to confirm it has been reset and is ready to pair to the App.

Sensor Settings

Sensor Connection Type:

Pogo pin

Max Mounting Height:

40 ft

Detection Range:

40 ft diameter mounted at 40 ft

Sensor Technology:

Passive Infrared (PIR)

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

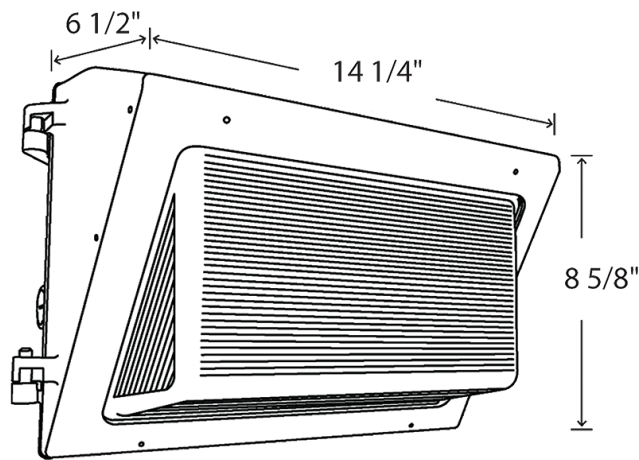
Daylight Sensing:

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

Dimensions



Features

- IP65 Rated
- 100,000-Hour LED lifespan
- 5-Year, limited warranty

Ordering Matrix

Family	Wattage	Color Temp	Finish	Driver	Options
WP2XFU	100				/LCBS
29 = 29/20/15W 40 = 40/30/20W 60 = 60/45/35W 80 = 80/60/40W 100 = 100/80/60W					
Blank = 3000/4000/5000K					
Blank = Bronze					
Blank = 120-277V, 0-10V Dimming					
Blank = Selectable Photocell /LC = Lightcloud /LCB = Lightcloud Blue /LCBS = Lightcloud Blue w/PIR Sensor /LCBS/MVS = Lightcloud Blue w/MVS Sensor					