



<b>Project:</b>	<b>Type:</b>
<b>Prepared By:</b>	<b>Date:</b>

Driver Info		LED Info	
Type	Constant	Watts	32/24/16W
120V	0.26A/0.19A/0.13A	Color Temp	3000/4000/5000K
208V	0.16A/0.12A/0.08A	Color Accuracy	82-84 CRI
240V	0.14A/0.10A/0.07A	L70 Lifespan	100,000 Hours
277V	0.12A/0.09A/0.06A	Lumens	2,020-4,151 lm
Input Watts	14.8-31.2W	Efficacy	123.8-148.5 lm/W

**Technical Specifications**

**Field Adjustability**

**Field Adjustable:**

Field Adjustable Light Output:  
32W/24W/16W (factory default: 24W)  
Color temperature selectable by 3000K, 4000K and 5000K (factory default: 4000K)

**Compliance**

**UL Listed:**

Suitable for wet locations

**California Title 24 JA8 Compliant:**

No

**California Energy Commission (CEC) Status:**

Lawful for Sales in California

**RoHS:**

Mercury and UV free. RoHS-compliant components.

**FCC:**

Complies with Part 15 of the FCC Rules

**Environment:**

Suitable for use indoors and outdoors in dry, damp, or wet environments.

**IP Rating:**

IP66

**California Title 20 Compliant:**

No

**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-FP7DFD

**Electrical**

**Driver:**

32W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.26A, 208V: 0.16A, 240V: 0.14A, 277V: 0.12A  
24W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.19A, 208V: 0.12A, 240V: 0.10A, 277V: 0.09A  
16W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.13A, 208V: 0.08A, 240V: 0.07A, 277V: 0.06A

**Dimming Driver:**

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

**THD:**

6.58% at 120V, 11.18% at 277V

**Power Factor:**

99.5% at 120V, 92.3% at 277V

**Photocell:**

Integrated photocell included with on/off switch

**Surge Protection:**

L-L 2kV; L-G 4kV

**Battery Backup:**

Cold battery backup will operate the fixture for 90 minutes if power fails. Wired for 120-277V.

**Battery Backup Light Loss Factor:**

0.2

**Aux Power Supply:**

Yes

**Dim to Off:**

Yes

**Dimmable:**

Yes via the Lightcloud Blue mobile app and devices. This device will not operate properly when connected to a standard (incandescent) dimmer or dimming control.

**Input Voltage:**

12V

**Operating Frequency:**

50/60Hz

**Technical Specifications (continued)**

**Input Current @ 120V (mA):**  
30mA

**Operating Temperature:**  
-4°F to 140°F (-20°C to 60°C)

**Performance**

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

**Product Type:**  
Low Voltage Controller+Sensor

**L70 Lifespan:**  
50,000-Hour LED lifespan based on IES LM-70 results

**Optical**

**BUG Rating:**  
32W: B1 U0 G1  
24W: B1 U0 G1  
16W: B1 U0 G1

**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.

**Construction**

**Full Cutoff:**  
Allows for conformance to the IDA's fully shielding requirement, emitting no light above 90 degrees.

**Housing:**  
Die-cast aluminum

**Lens:**  
Acrylic lens

**Reflector:**  
High reflection polycarbonate

**Cold Weather Starting:**  
The minimum starting temperature is -20°C (-4°F)

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

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

**Shape:**  
Round

**Finish:**  
Black

**Enclosure Material:**  
Plastic

**Installation**  
**Mounting:**  
Integrated j-box and an optional wall plate included.

**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 and select 'Delete'. The device will flash on/off 5 times and return to full brightness.  
Method 2: Manual  
Power the device off and on 5x consecutively. Do not allow less than 4s to elapse from switching off to on. Do not allow more than 2s to elapse from switching on to off. The device will flash 3x, then reset to 100% brightness at default CCT.  
Method 3: Rapid Reset Tool  
The Rapid Reset process must be done by a professional electrician qualified by RAB. Reach out to your RAB sales manager to request a Rapid Reset Tool. The tool simply needs to be placed directly on the small Lightcloud Blue logo on the device for 2s or until the lamp/luminaire flashes 3x, then resets to 100% brightness at the default CCT.

**Sensor Settings**  
**Sensor Connection Type:**  
Pogo pin

**Max Mounting Height:**  
50 ft

**Detection Range:**  
50 ft diameter mounted at 50 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  
Daylight: Disabled

Commissioned State:  
Once pair, 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 to dim: 20%  
Standby time: 1 minute  
When vacant: Off  
Daylight: Disabled

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

**Technical Specifications (continued)**

**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

**Other**

**Compatible Products:**

[H17 Field-Adjustable High Bay](#)

[RBAY17 Field-Adjustable High Bay](#)

[VAN17 3-Way Adjustable Canopy](#)

[PARK34 Field-Adjustable Garage Light](#)

Requires RAAS; RAASB:

[SHARK Field-Adjustable Linear Washdown](#)

[SEAL Field-Adjustable Washdown](#)

[GUS 17](#)

Linear wrap

[SR Field-Adjustable Strip](#)

Linear strip

**Compatible Accessories:**

[RAAS](#)

[Right angle arm support](#)

[RAASB](#)

[Right angle arm support](#)

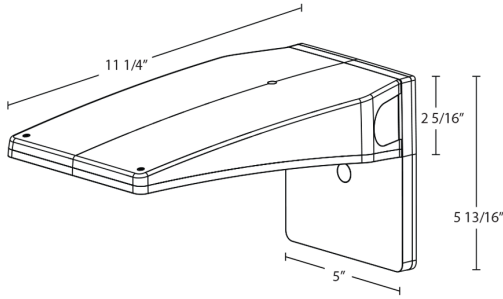
**Warranty:**

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 [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.

**Dimensions**



**Features**

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

**Ordering Matrix**

Family	Size/Wattage	Mounting	Color Temp	Finish	Driver	Options
WPLED	M			W		/LCBS/MVS/EC
	S = Small 13/10/6W M = Medium 32/24/16W	Blank = Integrated J-Box w/Optional Wall Plate Included	Blank = 3000/4000/5000K CCT Adjustable	Blank = Bronze W = White	Blank = 120-277V, 0-10V Dimming	Blank = Integrated Photocell /E = Battery Backup /EC = Cold Battery /LCBS/MVS = Lightcloud Blue w/MVS Sensor <sup>1</sup> /LCBS/MVS/E = Lightcloud Blue w/MVS Sensor & Battery Backup <sup>1</sup> /LCBS/MVS/EC = Lightcloud Blue w/MVS Sensor & Cold Battery <sup>1</sup>

<sup>1</sup> Available on medium fixture only