



Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Current	Watts	40/25/15W
120V	0.33A/0.21A/0.13A	Color Temp	3000/4000/5000K
208V	0.19A/0.12A/0.07A	Color Accuracy	83-84 CRI
240V	0.17A/0.10A/0.06A	L70 Lifespan	100,000 Hours
277V	0.14A/0.09A/0.05A	Lumens	2,162-5,345 lm
Input Watts	15.6-38.8W	Efficacy	126.7-146.1 lm/W

Technical Specifications

Lightcloud

Lightcloud Blue Installed:

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.rablighting.com/feature/new-lightcloud-blue.

Gateway Required:

No

Communication Protocol:

Bluetooth Mesh

SmartShift:

No

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 200 feet clear line of sight; Up to 120 feet around corners

Spacing Criteria:

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

Lightcloud Blue Controller:

LCBAUX-X/W

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 3x and return to full brightness.

Method 2: Manual

Locate the device identification button at the top of the Controller under the Lightcloud logo. Press and hold this button for 10s or until the indicator light begins flashing red. If the Controller is attached to a fixture, the fixture will also flash on/off 3x.

Status Indicator:

The status indicator light is located around the circumference of the top of the Controller.

Solid Green: connected to a Lightcloud Blue network.

Blinking Red: unprovisioned, ready to pair

Device Identification Button:

Located at the top of the controller under the Lightcloud logo.

Once the Controller has been provisioned to the Lightcloud Blue mobile app this button offers the following functionality:

Press once to rapid identify this device in the Lightcloud Blue mobile app

Press twice to toggle circuit on and off

Press twice and hold to set dim level

Press and hold for 10s to reset the device to factory settings and into pairing mode

Performance

Field Adjustable:

Field Adjustable Light Output:

40/25/15 (factory default 40W)

Color temperature selectable by 3000K, 4000K and 5000K (factory default 4000K)

Lifespan:

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

Technical Specifications (continued)

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-5323T1

LED Characteristics

LEDs:

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

Color Stability:

LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

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

Cold Weather Starting:

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

Maximum Ambient Temperature:

Suitable for use in up to 104°F (40°C)

Housing:

Precision die-cast aluminum

Lens:

Polycarbonate lens

Reflector:

Specular aluminum

Gaskets:

High-temperature silicone gaskets

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Electrical

Driver:

Constant Current, Class 1, 120-277V, 50/60 Hz:
 40W: 120V: 0.33A, 208V: 0.19A, 240V: 0.17A, 277V: 0.14A
 25W: 120V: 0.21A, 208V: 0.12A, 240V: 0.10A, 277V: 0.09A
 15W: 120V: 0.13A, 208V: 0.07A, 240V: 0.06A, 277V: 0.05A

Dimming Driver:

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

THD:

9.94% at 120V, 9.42% at 277V

Power Factor:

99.5% at 120V, 98.1% at 277V

Aux Power Supply:

Yes

Surge Protection:

4 kV

Photocell:

Integrated photocell included with on/off switch

Battery Backup:

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

Battery Backup Light Loss Factor:

40W: 0.07
 25W: 0.11
 15W: 0.17

Installation

Mounting:

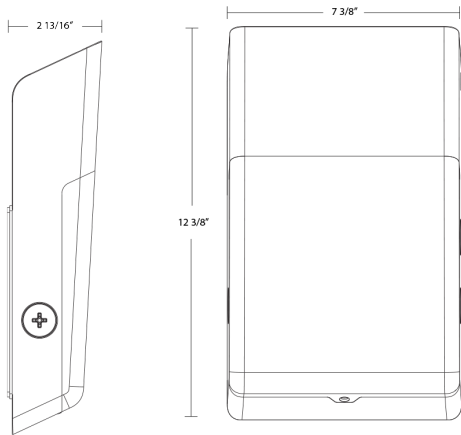
Wall mount

Other

5-Year 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.

Dimensions



Features

- 100,000-Hour LED lifespan
- 0-10V dimming standard
- DLC Premium listed
- 5-Year, limited warranty

Ordering Matrix

Family	Wattage	Color Temp	Finish	Driver	Controls	Battery Backup
WPT			W		/LCB	/E
	Blank = 40/25/15W	Blank = 3000/4000/5000K CCT Adjustable	Blank = Bronze W = White	Blank = 120-277V, 0-10V Dimming	Blank = Selectable On/Off Photocell /LC = Lightcloud Controller /LCB = Lightcloud Blue	Blank = None /E = Battery Backup