



Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Current	Watts	18W
120V	0.18A	Color Temp	2700K-6500K
208V	0.10A	Color Accuracy	80 CRI
240V	0.09A	L70 Lifespan	50,000 Hours
277V	0.08A	Lumens	2,200 lm
Input Watts	18W	Efficacy	122

Technical Specifications

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 patent-pending 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
[Learn more at www.lightcloud.com](http://www.lightcloud.com)

Gateway Required:

No

Communication Protocol:

Bluetooth Mesh

SmartShift:

SmartShift is the most advanced - yet easiest to use - circadian lighting system, which syncs white color tuning with the local sunrise and sunset.

Range:

Lightcloud: Lightcloud: Up to 100 feet between standard building materials; Up to 1,000 feet clear line of sight.

Lightcloud Blue: Lightcloud Blue: Up to 60 feet between standard building materials; Up to 200 feet clear line of sight.

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.

Performance

Product Type:

Linear Tube

Lumens (Nominal):

2,200lm

Electrical

THD:

≤25%

Technical Specifications (continued)

Power Factor:

>0.9

Dimmable:

Yes, via the Lightcloud Blue mobile app

Input Voltage:

120-277V

Operating Frequency:

50/60Hz

Input Current @ 120V (mA):

180mA

Input Current @ 208V (mA):

100mA

Input Current @ 240V (mA):

90mA

Input Current @ 277V (mA):

77mA

Operating Temperature:

-4°F to 113°F (-20°C to 45°C)

Flicker:

<50%

LED Characteristics

Beam Angle:

160°

Color Temperature:

Tunable White 2700K - 6500K

Color Accuracy (CRI):

>80 CRI

R9 Value:

High color performance with R9 greater than 0

Color Consistency:

<5-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

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.

Installation

Installation Method:

UL Type B, Ballast Bypass

Construction

Base Type:

G13

Nominal Length:

4 ft

Bulb Shape:

T8

Enclosure Material:

Plastic

Lens Finish:

Frosted

Compliance

Listings:

UL Recognized, UL Classified

Environment:

Suitable for use in dry and damp environments

Fixture Rating:

Suitable for use in enclosed fixtures

T20 Compliant:

No

California Title 24 JA8 Compliant:

No

California Energy Commission (CEC) Status:

Lawful for Sales in California

NSF Listed:

Meets NSF/ANSI standards for use in Food Zone (non-contact), Splash, and Non-Food Zones. Tube guard required in open fixtures.

RoHS:

Mercury and UV free. RoHS-compliant components.

FCC:

Complies with Part 15B of the FCC Rules

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

DLC Product Code: PFVCSQFP

Other

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.

Note:

All values are typical (tolerance +/- 10%)

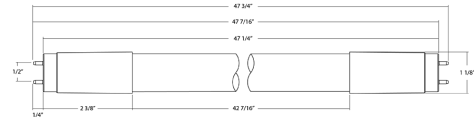
Buy American Act Compliance:

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.

Case and Pallet Dimensions

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	10	49.02	7.48	3.94
PALLET	500	50.98	40	45.28

Dimension



Features

Direct Connect to the Lightcloud Blue mobile app via Bluetooth, no Gateway or Hub required

Use mobile device to configure features for On/Off Control, Dim Level, Color Temperature, Schedules, Scenes, SmartShift and more

Integral driver enables lamp to be wired directly to line voltage without need for an external driver or ballast

Single ended and double ended wiring method

Tunable White 2700 - 6500K with smooth transition between color temperatures

Circadian SmartShift Capable to sync with local sunrise/sunset

Optional integrated microwave sensor for motion detection

Ordering Matrix

Family	Wattage	Length	Material	CRI/Color Temp	Wiring Method	Installation Type	SmartShift
LCBT8	18	48	P	8TW	SD	BYP	SS
	18 = 18W	48 = 4 ft	P = Plastic	8TW = 80 CRI, Tunable White	SD = Single & Double Ended	BYP = Bypass	SS = SmartShift