

T8 Type B Bluetooth-Enabled



PROJECT:

DATE:

TYPE:

PREPARED BY:



T8 Type B Bluetooth-Enabled



KEY FEATURES

- Direct connect to the Lightcloud Blue mobile app via Bluetooth. **No Gateway or Hub required**
- **Tunable White 2700 – 6500K** with smooth transition between color temperatures
- Use mobile device to configure features for On/Off Control, Dim Level, Color Temperature, Schedules, Scenes, SmartShift and more
- SmartShift Ready to sync with local sunrise/sunset for healthy circadian lighting
- Dimmable down to 5% using mobile app
- **5-Year, No-Compromise Warranty**

PERFORMANCE

Catalog Number	Equivalency	Lumens	Input Wattage	Efficacy	Color Temperature	CRI	L70 Lifespan	DLC ID
LCBT8-18-48P-8TW-SD-BYP-SS	32W Fluorescent	2,200 lm	18W	122 lm/W	Tunable White 2700K - 6500K	80	50,000 hour	PFVCSQFP
T8-17-48P-8TW-SD-BYP/LCBS/MVS			17W	129 lm/W				S-PSHNMMD

TECHNICAL SPECIFICATIONS

FEATURES

Tunable White

Adjust the color temperature from 2700K to 6500K via the Lightcloud Blue Remote or the mobile app.

Direct Connect

Use the Lightcloud Blue mobile app to connect to your lamps in minutes via Bluetooth Mesh; no Gateway or Hub required.

Mobile App Control

Use the Lightcloud Blue mobile app to configure features for On/Off Control, Dim Level, Color Temperature, Schedules, Scenes, SmartShift and more.

SmartShift Circadian Lighting

Automatically tunes the color and intensity of lights throughout the day, mimicking the sun's natural pattern.

Scalable

Devices within 60 feet of each other can communicate within the Bluetooth Mesh network to manage a maximum of up to 3,000 devices per account.

Durable Plastic

Reduce breakage, this shatterproof rugged thermoplastic nanopolycarbonate design delivers superior optical and thermal performance.

LIGHTCLOUD BLUE

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

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.

TECHNICAL SPECIFICATIONS (CONT.)

LIGHTCLOUD BLUE

Range

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

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.

ELECTRICAL

Dimmable

Yes, via the Lightcloud Blue mobile app and devices

Power Factor

>0.9

Input Voltage

120-277V

Operating Frequency

50/60Hz

Operating Temperature

-4°F to 113°F (-20°C to 45°C)

THD

≤25%

Flicker

<50%

Max Mounting Height*

8 to 12 feet

Detection Range*

20 ft. diameter at 9 ft. mounting height

INSTALLATION

Installation Method

UL Type B, Ballast Bypass

CONSTRUCTION

Product Type

Linear Tube

Bulb Shape

T8

Nominal Length

4 ft

Enclosure Material

Plastic

Finish

White

Lens Finish

Frosted

Base Type

G13

SENSOR SETTINGS*

Default Setting

Uncommissioned State:

Sensor Status: Enabled

Motion Sensitivity: High

Brightness when triggered : 100%

Hold time: 1 minute

Standby to dim: 20%

Standby time: 1 minute

When vacant: Off

Commissioned State:

Sensor Status: Disabled, once enabled the following defaults are set.

Motion Sensitivity: High

Brightness when triggered: Last on status

Hold time: 20 minutes

When vacant: Off

Sensing Type

Occupancy or vacancy

Sensor Sensitivity

Low/Medium/High

Occupied Actions

On or On at a Dim Level

Vacant Options

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

**Only /LCBS/MVS model*

TECHNICAL SPECIFICATIONS (CONT.)

COMPLIANCE

Listings

UL Recognized, UL Classified

Environment

Suitable for use in dry and damp environments.

Fixture Rating

Suitable for use in enclosed fixtures

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.

T20 Compliant

No

California Title 24 JA8 Compliant

No

California Energy Commission (CEC) Status

Lawful for Sale 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.

FCC

Complies with Part 15 of the FCC Rules.

RoHS

Mercury and UV free. RoHS-compliant components.

LED CHARACTERISTICS

Beam Angle

160°

Color Temperature

Tunable White 2700K - 6500K

Color Accuracy (CRI)

>80

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 warranted 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.

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%)

Download the Lightcloud Blue app for free to get started!



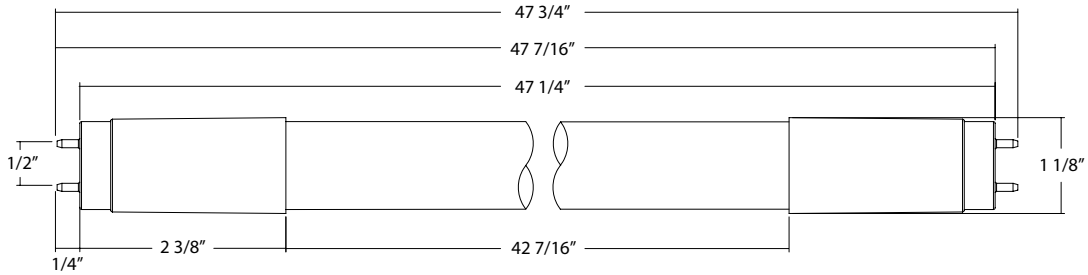
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DIMENSIONS

T8 Type B

Weight: 0.46 lb



ORDERING INFO

Catalog Number	Certification Model Number	UPC	Case Pack
LCBT8-18-48P-8TW-SD-BYP-SS	LCBT8-18-48P-8TW-SD-BYP-SS	192552007467	10
T8-17-48P-8TW-SD-BYP/LCBS/MVS	T8-17-48P-8TW-SD-BYP/LCBS/MVS	192552014199	10

ORDERING MATRIX

Family	Wattage	Length	Material	CRI/Color Temp	Wiring Method	Installation Type	SmartShift	Sensor
LCBT8	- 18	- 48	P	- 8TW	- SD	- BYP	- SS	
	18 18W	48 4 ft. P	Plastic	8TW 80 CRI, Tunable White 2700K-6500K	SD Single/Double	BYP Ballast Bypass	SS SmartShift ready	Blank No sensor

Family	Wattage	Length	Material	CRI/Color Temp	Wiring Method	Installation Type	SmartShift	Sensor
T8	- 17	- 48	P	- 8TW	- SD	- BYP		/LCBS/MVS
	17 17W*	48 4 ft. P	Plastic	8TW 80 CRI, Tunable White 2700K-6500K	SD Single/Double	BYP Ballast Bypass	Blank SmartShift ready	/LCBS/MVS Lightcloud Blue-enabled with microwave occupancy sensor

*Only available with no sensor