# T8 Type B Bluetooth-Enabled

PROJECT:

DATE:

TYPE:

PREPARED BY:

5 YEAR NO-COMPROMISE WARRANTY

UL CERTIFIED

DLC LISTED

BALLAST BYPASS

## 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**

## T8 Type B Bluetooth-Enabled

BLUETOOTH MESH | TUNABLE WHITE | SMARTSHIFT | MOTION SENSOR | DAMP RATED | 120-277V | ENCLOSED RATED | 50,000 HOURS | DIMMABLE | RoHS

## 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-PSHNMD |

## 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 nano-polycarbonate 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.

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## TECHNICAL SPECIFICATIONS *(Cont'd)*

### 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 Bluetooh 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*

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## TECHNICAL SPECIFICATIONS *(Cont'd)*

### 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 family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at designlights.org to confirm the qualification status of a specific SKU prior to specification or purchase.

**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 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.

### 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!

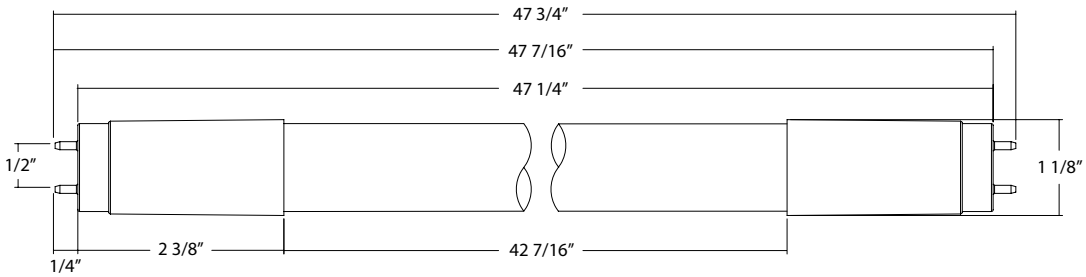
Download on the App Store GET IT ON Google Play

# T8 Type B Bluetooth-Enabled

## 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*