



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

Driver Info		LED Info	
Type	Constant Current	Watts	40W
120V	0.35A	Color Temp	Tunable 3000K-6500K
208V	0.20A	Color Accuracy	80 CRI
240V	0.18A	L70 Lifespan	50,000 Hours
277V	0.16A	Lumens	4,600 lm
Input Watts	37W	Efficacy	124

## 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 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:

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 (varies by device).

#### 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 back of the fixture for 2s or until the lamp/luminaire flashes 3x, then resets to 100% brightness at the default CCT.

#### SmartShift

**SmartShift:**  
SmartShift is the most advanced - yet easiest to use - circadian lighting system, which syncs white color tuning with the local sunrise and sunset. Requires the NANO/LCB (sold separately)

### Performance

#### Product Type:

Back-lit Panel - Tunable White

#### Description:

Wireless control in an ultra-economy panel. Available in 2x2, 2x4 and 1x4 formats with SmartShift.

#### Wattage Equivalency:

Equivalent to (2) F32T8 or (2) F28T5

#### Input Wattage:

37W

#### Lumens:

4,600lm

#### Efficacy:

124lm/W

#### L70 Lifespan:

50,000-Hour LED lifespan based on IES LM-70 results

#### Electrical

##### THD:

<30%

##### Power Factor:

>0.95



## Technical Specifications (continued)

### Dimmable:

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

### Input Voltage:

120-277V AC

### Operating Frequency:

50/60Hz

### Input Current @ 120V (mA):

350mA

### Input Current @ 208V (mA):

200mA

### Input Current @ 240V (mA):

180mA

### Input Current @ 277V (mA):

160mA

### Operating Temperature:

-22°F to 104°F (-30°C to 40°C)

### Flicker:

<5%

### Sensor Settings

#### Sensor Connection Type:

RJ09

#### Max Mounting Height:

9 ft

#### Detection Range:

20 ft diameter at 9 ft mounting height

#### 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

### Sensing Type:

Occupancy, Vacancy

### 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:

Closed loop daylight harvesting with continuous dimming. Specify settings using the Lightcloud Blue mobile app.

### High/Low Dim Level:

The High Dim Level (HDL) is limited to 50%-70%

The Low Dim Level (LDL) is limited to 20%-70%

### LED Characteristics

#### Beam Angle:

120°

#### Color Temperature:

Default: 3000K  
Adjustable using the Lightcloud Blue mobile app  
Tunable White 3000K - 6500K

#### Color Accuracy (CRI):

>80 CRI

### R9 Value:

R9=7 @ 3000K; R9=15 @ 3500K; R9=19 @ 4000K;  
R9=22 @ 4500K; R9=23 @ 5000K; R9=20 @ 5700K;  
R9=13 @ 6500K

### Color Consistency:

<4-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

### Installation

#### Mounting:

Recessed into T-grid ceiling. Surface and recessed mounting kits available for drywall ceilings.

### Construction

#### Size:

1'x4'

#### Shape:

Rectangle

#### Finish:

White

#### Enclosure Material:

Metal & Plastic

#### Lens Finish:

Frosted

### Compliance

#### Listings:

UL Lsted, UL Recognized, UL Classified

#### Environment:

Suitable for use indoors in dry and damp environments.

#### IC Rated:

No

#### Air Tight:

No

#### Certification Model Number:

T34FA-1X4/LCBS/MVS

#### California Title 20 Compliant:

No

#### California Title 24 JA8 Compliant:

No

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

Lawful for Sales in California

## Technical Specifications (continued)

### CCEA Compliant:

Luminaire Requirements used in Environmental Air Space per the electrical code specification of the City of Chicago

### NSF Listed:

No

### 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.

### RoHS:

Mercury and UV free. RoHS-compliant components.

### FCC:

Complies with Part 15 of the FCC Rules

### Other

#### Compatible Accessories:

[SMKEZPAN1X4](#)

1x4 Surface mount kit

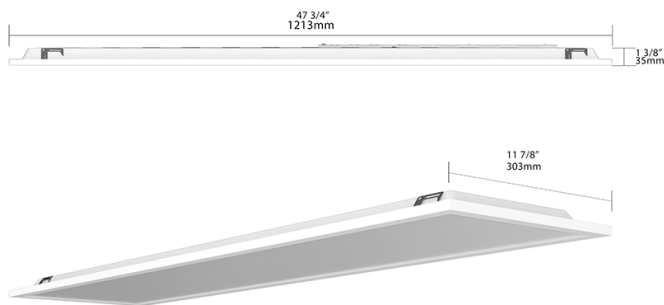
#### 5 Yr Limited Warranty:

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](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

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

Tunable white 3000-6500K with smooth transition between color temperatures

SmartShift Ready to sync with local sunrise/sunset for circadian lighting

## Ordering Matrix

Family	Size/Wattage	Color Temp	Finish	Driver	Options
T34FA	-	Blank			/LCBS/MVS
	<b>1X4</b> = 1' x 4' 40/30/20W <b>2X4</b> = 2' x 4' 50/40/30W <b>2X2</b> = 2' x 2' 40/30/20W	<b>Blank</b> = 3500/4000/5000K <b>Blank</b> = Tunable White 3000K-6500K	<b>Blank</b> = White	<b>Blank</b> = 0-10V Dimming, 120-277V	<b>/LCBS/MVS/E</b> = Lightcloud Blue MVS Sensor w/Battery Backup <b>/LCBS/E</b> = Lightcloud Blue PIR Sensor w/Battery Backup <b>/LCB/E</b> = Lightcloud Blue w/ Battery Backup <b>/LCBS/MVS</b> = Lightcloud Blue w/ MVS Sensor <b>/LCBS</b> = Lightcloud Blue w/ PIR Sensor <b>/E</b> = Battery Backup <b>/MVS</b> = Microwave Occupancy Sensor <b>/LCB</b> = Lightcloud Blue <b>/LC</b> = Lightcloud <b>Blank</b> = No Option