



Project:	Type:
Prepared By:	Date:

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	38W	Efficacy	121

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 (5) F17T8 or (4) F14T5

Input Wattage:

38W

Lumens:

4,600lm

Efficacy:

121lm/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=24 @ 5000K; R9=22 @ 5700K;  
R9=14 @ 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:

2'x2'

Shape:

Square

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-2X2/LCBS/MVS/E

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:**

SMKEZPAN2X2

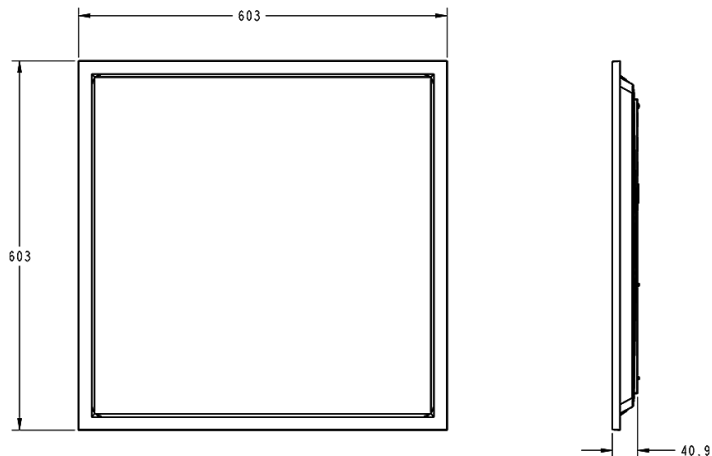
2x2 Surface mount kit

**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	-	2X2	Blank			/LCBS/MVS/E
		1X4 = 1' x 4' 40/30/20W 2X4 = 2' x 4' 50/40/30W 2X2 = 2' x 2' 40/30/20W	Blank = 3500/4000/5000K Blank = Tunable White 3000K-6500K	Blank = White	Blank = 0-10V Dimming, 120-277V	/LCBS/MVS/E = Lightcloud Blue MVS Sensor w/Battery Backup /LCBS/E = Lightcloud Blue PIR Sensor w/Battery Backup /LCB/E = Lightcloud Blue w/ Battery Backup /LCBS/MVS = Lightcloud Blue w/ MVS Sensor /LCBS = Lightcloud Blue w/ PIR Sensor /E = Battery Backup /MVS = Microwave Occupancy Sensor /LCB = Lightcloud Blue /LC = Lightcloud Blank = No Option