T34FA-2X4/LCB/E

RAB®

LED performance in an economical 2x4 troffer.

Color: White   Weight: 10.3 lbs

Project:	Type:
Prepared By:	Date:

Driver Info

Type	Constant Current
120V	0.40A
208V	0.24A
240V	0.21A
277V	0.18A
Input Watts	46W

LED Info

Watts	50W
Color Temp	Tunable 3000K-6500K
Color Accuracy	80 CRI
L70 Lifespan	50,000 Hours
Lumens	5,750 lm
Efficacy	125

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.

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

Wattage Equivalency:
Equivalent to (3) F32T8 or (3) F28T5

Input Wattage:
46W

Lumens:
5,750lm

Efficacy:
125lm/W

L70 Lifespan:
50,000-Hour LED lifespan based on IES LM-70 results

Electrical

THD:
<30%

Power Factor:
>0.95

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

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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):
400mA

Input Current @ 208V (mA):
243mA

Input Current @ 240V (mA):
214mA

Input Current @ 277V (mA):
182mA

Operating Temperature:
-22°F to 104°F (-30°C to 40°C)

Flicker:
<5%

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=16 @ 3500K; R9=20 @ 4000K; R9=22 @ 4500K; R9=23 @ 5000K; R9=21 @ 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:
2'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-2X4/LCB/E

California Title 20 Compliant:
No

California Title 24 JA8 Compliant:
No

California Energy Commission (CEC) Status:
Lawful for Sales in California

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:
SMKEZPAN2X4
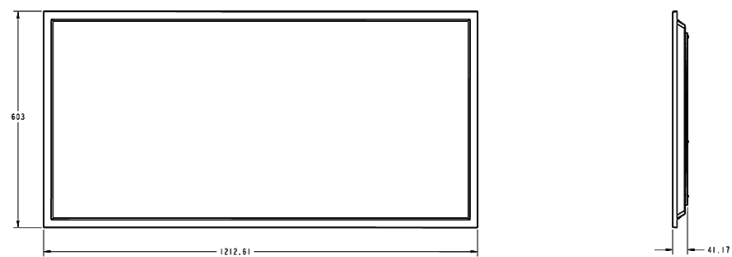2x4 Surface mount kit

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.

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

603

1212.61

41.17

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	–	2X4	Blank			/LCB/E

Size/Wattage:
1X4 = 1' x 4' 40/30/20W
2X4 = 2' x 4' 50/40/30W
2X2 = 2' x 2' 40/30/20W

Color Temp:
Blank = 3500/4000/5000K
Blank = Tunable White 3000K-6500K

Finish:
Blank = White

Driver:
Blank = 0-10V Dimming, 120-277V

Options:
/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