FR1X4/LCB

RAB®

Color: White   Weight: 2.4 lbs

Project:	Type:
Prepared By:	Date:

Driver Info

Type	Constant Current
120V	0.37A
208V	0.21A
240V	0.18A
277V	0.16A
Input Watts	20.6-39.2W

LED Info

Watts	40/35/30/25/20W
Color Temp	3000/3500/4000/5000/6500K
Color Accuracy	83-85 CRI
L70 Lifespan	100,000 Hours
Lumens	2,649-4,994 lm
Efficacy	126.9-131 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:
Field Adjustable Light Output:
40/35/30/35/20W (factory default 40W)
Color temperature selectable by 3000K, 3500K, 4000K, 5000K and 6500 (factory default 4000K)

Compliance

UL Listed:
Suitable for damp locations

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.

DLC Listed:
This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.
DLC Product Code: S-Z22MB1

Electrical

Driver:
40W:
Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.37A, 208V: 0.21A, 240V: 0.18A, 277V: 0.16A
35W:
Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.32A, 208V: 0.19A, 240V: 0.16A, 277V: 0.14A
30W:
Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.28A, 208V: 0.16A, 240V: 0.14A, 277V: 0.12A
25W:
Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.23A, 208V: 0.13A, 240V: 0.12A, 277V: 0.10A
20W:
Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.18A, 208V: 0.11A, 240V: 0.08A, 277V: 0.08A

Dimming Driver:
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:
6.53% at 120V, 12.61% at 277V

Power Factor:
99.78% at 120V, 99.80% at 277V

Aux Power Supply:
Yes

Dim to Off:
Yes

Construction

Cold Weather Starting:
The minimum starting temperature is -20°C (-4°F)

Ambient Temperature:
Suitable for use in up to 104°F (40°C)

IC Rated:
Suitable for direct contact with insulation

Housing:
Aluminum

Lens:
Polycarbonate lens

Finish:
Formulated for high durability and long-lasting color

Green Technology:
Mercury and UV free. RoHS-compliant components.

Installation

Mounting:
Recessed into existing T-grid brackets

Technical Specifications (continued)

LED Characteristics

LEDs:
Long-life, high-efficacy, surface-mount LEDs

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.

Performance

Lifespan:
100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

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:
Indoor: 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.

Outdoor: Up to 60 feet clear line of sight; Up to 18 feet around corners

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.
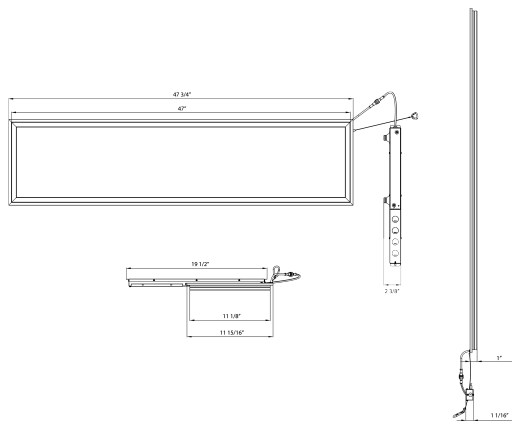Method 2: Manual
Press and hold down the button located at the top of the Controller for 10 seconds or until the light flashes on/off 3 times. The status indicator light will flash red to confirm it has been reset and is ready to pair to the App.

Other

5-Year 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.

FR1X4/LCB

Dimensions

Features

- 100,000-hour LED Life
- DLC Premium Listed
- 0-10V dimming standard
- 5-Year, limited warranty

Ordering Matrix

Family	Size/Wattage	Color Temp	Finish	Driver	Options
FR	1X4				/LCB
	2X2 = 2'x2', 40/35/30/25/20W **1X4 =** 1'x4', 40/35/30/25/20W **2X4 =** 2'x4, 50/45/40/35/30W	**Blank =** 3000/3500/4000/5000/6500K CCT Adjustable	**Blank =** White	**Blank =** 120-277V, 0-10V Dimming	**Blank =** No Option **/E =** Battery Backup **/LCB =** Lightcloud Blue

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

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