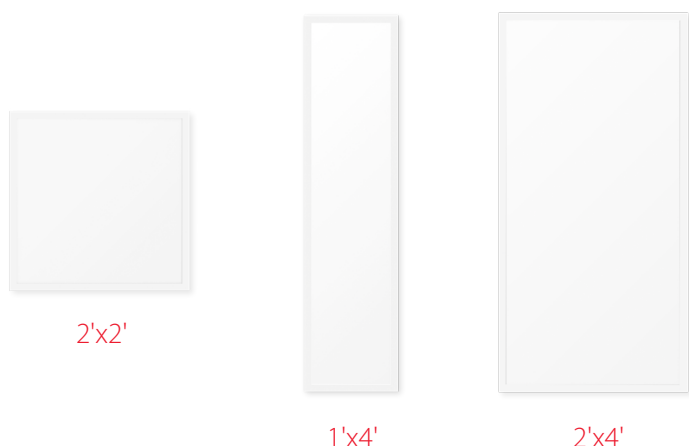


# EZPAN® FAHE with Lightcloud® Blue



Field-Adjustable, High-Efficacy Panels with Lightcloud Blue

PROJECT:

DATE:

TYPE:

PREPARED BY:



## KEY 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, Schedules, Scenes, and more
- **Field-adjustable light output and color temperature**
- **Edge-lit** technology for glare-free lighting
- Best-in-class efficacy
- **5-Year, No-Compromise Warranty**



## PERFORMANCE

Catalog Number	Size	Wattage Equivalency	Input Wattage	Lumens	Efficacy	Sensor Type	CRI	DLC ID	Color Temperature
EZPANFAHE1X4/D10/LCB	1'x4'	(4)F32T8 or (4)F28T5	40/30/20W Default Setting: 40W	3,300-5,000 lm	136 lm/W	None	84	S-0IQVXO	5000/4000/3500K Default Settings: 4000K
EZPANFAHE2X2/D10/LCB	2'x2'	(4)F32T8 or (4)F28T5	40/30/20W Default Setting: 40W	3,600-5,500 lm	145 lm/W	None	84	S-O2SA70	
EZPANFAHE2X4/D10/LCB	2'x4'	(4)F32T8 or (4)F28T5	50/40/30W Default Setting: 50W	4,000-6,500 lm	146 lm/W	None	83	S-JF2MQR	
EZPANFAHE1X4/D10/LCBS	1'x4'	(4)F32T8 or (4)F28T5	40/30/20W Default Setting: 40W	3,300-5,000 lm	136 lm/W	Passive Infrared	84	S-0IQVXO	
EZPANFAHE2X2/D10/LCBS	2'x2'	(4)F32T8 or (4)F28T5	40/30/20W Default Setting: 40W	3,600-5,500 lm	145 lm/W	Passive Infrared	84	S-O2SA70	
EZPANFAHE2X4/D10/LCBS	2'x4'	(4)F32T8 or (4)F28T5	50/40/30W Default Setting: 50W	4,000-6,500 lm	146 lm/W	Passive Infrared	83	S-JF2MQR	
EZPANFAHE1X4/D10/LCBS/MVS	1'x4'	(4)F32T8 or (4)F28T5	40/30/20W Default Setting: 40W	3,300-5,000 lm	136 lm/W	Microwave	84	S-0IQVXO	
EZPANFAHE2X2/D10/LCBS/MVS	2'x2'	(4)F32T8 or (4)F28T5	40/30/20W Default Setting: 40W	3,600-5,500 lm	145 lm/W	Microwave	84	S-O2SA70	
EZPANFAHE2X4/D10/LCBS/MVS	2'x4'	(4)F32T8 or (4)F28T5	50/40/30W Default Setting: 50W	4,000-6,500 lm	146 lm/W	Microwave	83	S-JF2MQR	

## PERFORMANCE (CONT.)

## 1X4

CCT (K)	3500K			4000K			5000K		
Input Wattage	20W	30W	40W	20W	30W	40W	20W	30W	40W
Lumens	3,379 lm	3,896 lm	3,965 lm	3,415 lm	3,944 lm	5,085 lm	3,432 lm	3,965 lm	5,082 lm
Efficacy	132 lm/W	132 lm/W	130 lm/W	136 lm/W	136 lm/W	136 lm/W	133 lm/W	134 lm/W	131 lm/W

## 2x2

CCT (K)	3500K			4000K			5000K		
Input Wattage	20W	30W	40W	20W	30W	40W	20W	30W	40W
Lumens	3,644 lm	4,183 lm	5,330 lm	3,789 lm	4,368 lm	5,582 lm	3,785 lm	4,346 lm	5,487 lm
Efficacy	137 lm/W	136 lm/W	133 lm/W	146 lm/W	146 lm/W	145 lm/W	142 lm/W	141 lm/W	138 lm/W

## 2x4

CCT (K)	3500K			4000K			5000K		
Input Wattage	30W	40W	50W	30W	40W	50W	30W	40W	50W
Lumens	4,064 lm	5,149 lm	6,281 lm	4,167 lm	5,332 lm	6,548 lm	4,178 lm	5,305 lm	6,473 lm
Efficacy	136 lm/W	133 lm/W	137 lm/W	146 lm/W	145 lm/W	146 lm/W	141 lm/W	138 lm/W	142 lm/W

## TECHNICAL SPECIFICATIONS

## LIGHTCLOUD BLUE FEATURES

**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.

**Scalable**

Devices within 60 feet of each other can communicate with the Bluetooth Mesh network and manage a maximum of 600 devices per Site and up to 38,400 devices per account.

## 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](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.

**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 the device is online and select 'Delete'.

**Method 2:** Manual

Press and hold down the button located at the top of the Controller for 10 seconds or until the fixture flashes on/off 3x. The Controller will flash red to confirm it has been reset and is ready to pair to the App.

## TECHNICAL SPECIFICATIONS (CONT.)

## CONSTRUCTION

**Product Type**

Edge-lit flat panel

**Size**

1'x4', 2'x2', 2'x4'

**Shape**

Square, rectangle

**Housing**

Lightweight aluminum housing, steel pan and junction box.

**Enclosure Material**

Plastic

**Trim Style**

Smooth

**Finish**

White

**Lens**

Frosted polystyrene

## INSTALLATION

**Mounting**

Surface Mount, Recessed

Standard integral T-bar clips secure the fixture to Tbars and prevent T-system separation.

## COMPLIANCE

**Listing**

UL Listed

**Environment**

Suitable for indoor use in dry and damp environments.

**IC Rated**

Suitable for direct contact with insulation

**Air Tight**

Not compliant

**DLC Listed**

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

**T20 Compliant**

Not applicable

**California Title 24 JA8 Compliant**

Not applicable

**California Energy Commission (CEC) Status**

Lawful for Sale in California

**IESNA LM-79 & LM80 Testing**

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

**FCC**

Complies with Part 15 of the FCC Rules.

**RoHS**

Mercury and UV free. RoHS-compliant components.

## ELECTRICAL

**Dimming Driver**

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

**Dimmable**

Yes, via the Lightcloud Blue mobile app and devices.

This fixture will not operate properly when connected to a standard (incandescent) dimmer or dimming control.

**Power Factor**

≥0.9

**THD**

&lt;20%

**Input Voltage**

120-277V

**Operating Frequency**

50/60 Hz

**Operating Temperature**

-22°F to 104°F (-30°C to 40°C)

**Flicker**

&lt;20%

## SENSOR SETTINGS\*

**Default Setting**

Sensor is disabled

**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

**Sensor Connection Type\***

RJ09

**Detection Range\***

20 ft. diameter at 9 ft. mounting height

*\*Only /LCBS and /LCBS/MVS models*

## TECHNICAL SPECIFICATIONS (CONT.)

### LED CHARACTERISTICS

#### LEDs

Edge-lit long-life, high-efficacy, surface-mount LEDs; binned and mixed for uniform light output and color.

#### Color Temperature

5000/4000/3500K

Default Settings: 4000K

#### Color Accuracy (CRI)

>80 CRI

#### R9 Value

High color performance with R9 greater than 0.

#### Color Consistency

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

#### Color Stability

LED color temperature is warranted 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](http://rablighting.com/warranty).

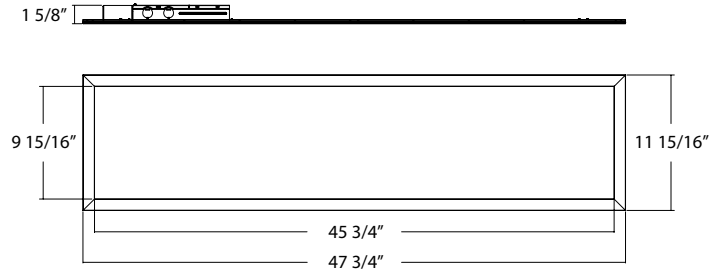
#### Note

All values are typical (tolerance +/- 10%)

## DIMENSIONS

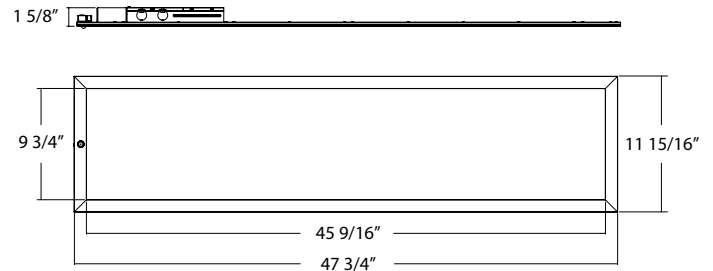
### 1x4

Weight: 7.96 lbs



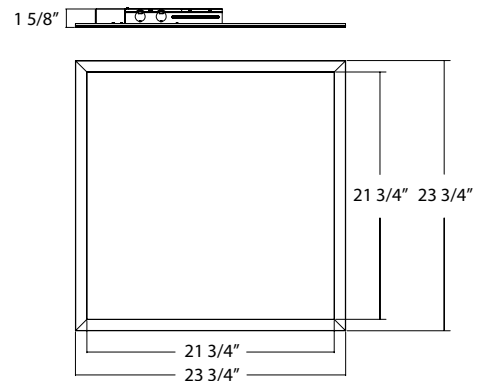
### 1x4 with sensor

Weight: 7.96 lbs



### 2x2

Weight: 7.96 lbs



Download the Lightcloud Blue app for free to get started!



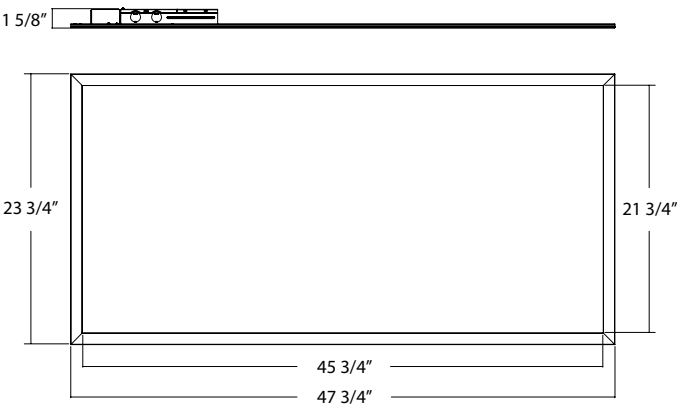
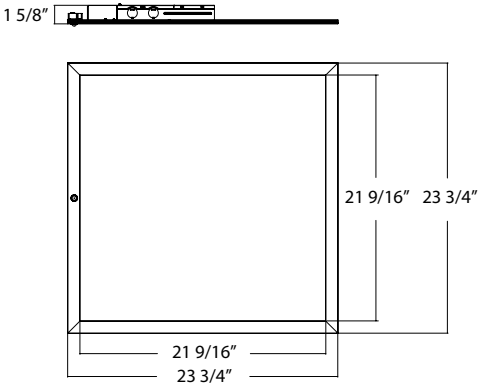
DIMENSIONS

2x2 with sensor

Weight: 7.96 lbs

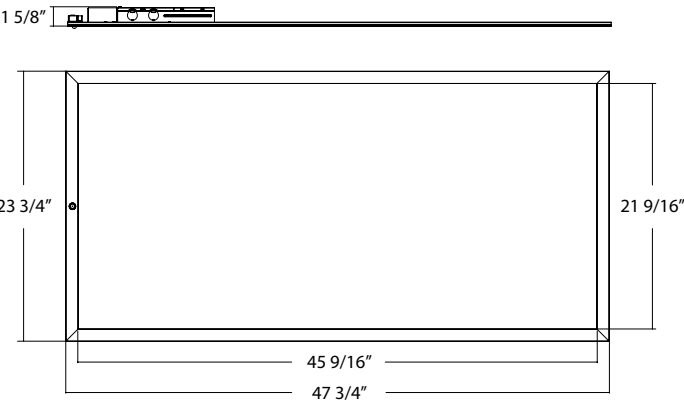
2x4

Weight: 14.75 lbs



2x4 with sensor

Weight: 14.75 lbs



ORDERING INFO

Catalog Number	Certification Model Number	UPC	Case Pack
EZPANFAHE1X4/D10/LCB	EZPANFAHE1X4/D10/LCB	192552015530	1
EZPANFAHE2X2/D10/LCB	EZPANFAHE2X2/D10/LCB	192552015516	1
EZPANFAHE2X4/D10/LCB	EZPANFAHE2X4/D10/LCB	192552015509	1
EZPANFAHE1X4/D10/LCBS	EZPANFAHE1X4/D10/LCBS	192552015493	1
EZPANFAHE2X2/D10/LCBS	EZPANFAHE2X2/D10/LCBS	192552015523	1
EZPANFAHE2X4/D10/LCBS	EZPANFAHE2X4/D10/LCBS	192552015486	1
EZPANFAHE1X4/D10/LCBS/MVS	EZPANFAHE1X4/D10/LCBS	192552035309	1
EZPANFAHE2X2/D10/LCBS/MVS	EZPANFAHE2X2/D10/LCBS	192552035316	1
EZPANFAHE2X4/D10/LCBS/MVS	EZPANFAHE2X4/D10/LCBS	192552035323	1

ORDERING MATRIX

Family	Size	Voltage	Driver	Control			
EZPANFAHE			/D10				
1x4	1'x4'; 40/30/20W	Blank	120-277V	/D10	0-10V Dimming	/LCB	Lightcloud Blue-enabled
2x2	2'x2'; 40/30/20W					/LCBS	Lightcloud Blue-enabled w/PIR Sensor
2x4	2'x4'; 50/40/30W					/LCBS/MVS	Lightcloud Blue-enabled w/MVS Sensor