EZP2X2/RGB/E

RAB

Color: White   Weight: 6.7 lbs

Project: Type:

Prepared By: Date:

Driver Info

Type	Constant Current
120V	0.09A/0.10A/0.12A/0.13A/0.15A/0.23A/0.35A
208V	0.05A/0.07A/0.08A/0.09A/0.13A/0.20A
240V	0.05A/0.06A/0.07A/0.08A/0.11A/0.18A
277V	0.05A/0.06A/0.07A/0.08A/0.11A/0.16A
Input Watts	10.6-42.3W

LED Info

Watts	40W
Color Temp	RGB
Color Accuracy	0-96 CRI
L70 Lifespan	100,000 Hours
Lumens	82-4757 lm
Efficacy	7.6-112.5 lm/W

Technical Specifications

Lightcloud

Lightcloud Blue Installed:
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.rablighting.com/feature/new-lightcloud-blue.

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: 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 device for 2s or until the lamp/luminaire flashes 3x, then resets to 100% brightness at the default CCT. See instruction manual for exact reset location.

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:
Flat Panel

Description:
Color tuning edge-lit panels in 2x2, 2x4, and 1x4 with battery backup options. Choose from 16+ million colors using Lightcloud Blue.

Input Wattage:
40W

Lumens (Nominal):
4,400lm

Efficacy (±10%):
110lm/W

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

Electrical

Driver:
Constant Current 120-277V 120-277V, 120V: 0.358mA; 208V: 0.358mA; 240V: 0.179mA; 277V: 0.155mA

THD:
<30%

Power Factor:
>0.9

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

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

Input Voltage:
120-277V

Operating Temperature:
32°F to 104°F (0°C to 40°C)

Flicker:
Low Flicker

Surge Protection:
2 kV + 4 kV

Emergency Backup

Emergency Operation:
90 minutes

LED Characteristics

Beam Angle:
110°

Color Temperature:
Default: 4000K
Adjustable using the Lightcloud Blue mobile app
Tunable White 2200K - 4000K
16+ million RGB colors

Color Accuracy (CRI):
>80 CRI

Natural Spectrum:
No

Color Consistency:
<7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:
LED color temperature is warrantied 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.

Installation

Mounting:
Surface, suspended & recessed mounting accessories sold separately

Construction

Size:
2'x2'

Shape:
Square

Finish:
White

Enclosure Material:
Metal+Plastic

Compliance

Environment:
Suitable for use indoors in dry and damp environments.

DLC Listed:
No

Certification Model Number:
EZP2X2/RGB/E

California Title 20 Compliant:
No

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

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

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

FCC:
Complies with Part 15 of the FCC Rules

Trade Agreements Act Compliant:
This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

Other

Compatible Accessories:
SMKEZPAN2X2
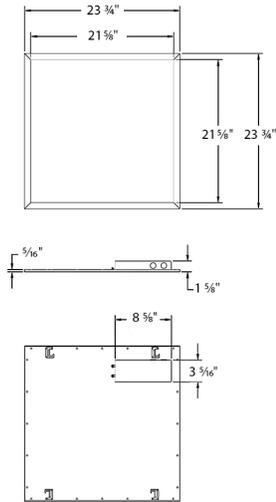2'X2' Surface mount

PMKEZPAN2X2
2'X2' Suspended mount

RMKEZPAN2X2
2'X2' Recessed mount

5-Year, No-Compromise 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.

Dimensions

23 ¾"
21 ⅝"

21 ⅝" 23 ¾"

5/16"
1 ⅝"

8 ⅝"

3 5/16"

Features

- Available in 3 sizes 1'x4', 2'x2', 2'x4' with optional battery backup
- Wireless communication via Bluetooth Mesh with Lightcloud Blue
- Choose between 16+ million colors
- SmartShift Ready for circadian and aesthetic lighting profiles
- 5-year, No-Compromise Warranty

Ordering Matrix

Family	Wattage	Color Temp	Driver	RGB Color Tuning	Battery Backup
EZP	2X2			/RGB	/E
	2X2 = 40 **1X4 =** 40 **2X4 =** 50	**Blank =** Tunable White 2200-4000K	**Blank =** 120-277V	**/RGB =** Lightcloud Blue RGBW 16+ Million Colors	**Blank =** None **/E =** Battery Backup

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