

# SWISH®EDGE, Field-Adjustable Center Basket



2'X2'



2'X4'



## SWISH EDGE Center Basket - Field Adjustable



PROJECT:

DATE:

TYPE:

PREPARED BY:



### KEY FEATURES

- Power-selectable center basket, available in two sizes:  
2'X2': 39W/29W/19W  
2'X4': 49W/39W/29W
- Available CCT: 3500K and 4000K
- Voltage ratings: 120-277V
- Available with **Lightcloud control**. Multi-sensor **remote** sold separately.
- 0-10V dimming
- Suitable for **wet locations**
- 5-years, limited warranty

## TECHNICAL SPECIFICATIONS

### COMPLIANCE

#### UL Listed

Suitable for dry and damp locations

#### DLC Listed

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

DLC Product Code: (2X2 MODEL) PBGZUX18  
(2X4 MODEL) PEQCR2G8

### LED CHARACTERISTICS

#### LEDs

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

#### 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 CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specification for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017

### CONSTRUCTION

#### Cold Weather Stating

Minimum starting temperature is -20°C (-4°F)

#### Maximum Ambient Temperature

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

#### Mounting

Recessed into T-grid ceiling. Surface and recessed mounting kits for drywall ceilings, sold separately

#### Lens

Frosted Polystyrene

#### Housing

Sheet metal and extruded aluminum

#### IC Rated

Suitable for direct contact with insulation

#### Green Technology

Mercury and UV free. RoHS-compliant components

#### Reflector:

Aluminum with high reflectance white finish, optimized for uniform distribution

#### Finish

Formulated for high durability and long lasting color

## TECHNICAL SPECIFICATIONS

### FIELD ADJUSTABILITY

#### Field Adjustable:

Field adjustable light output in 3 discrete steps:  
2'x2': 19W/29W/39W (factory default 29W)  
2'x4': 29W/39W/49W (factory default: 39W)

### ELECTRICAL

#### Drivers:

Class 2, Constant Current, 120-277V, 50/60Hz  
19W: 120V: 0.17A, 208V: 0.10A, 240V: 0.09A, 277V: 0.08A  
29W: 120V: 0.25A, 208V: 0.14A, 240V: 0.12A, 277V: 0.11A  
39W: 120V: 0.31A, 208V: 0.19A, 240V: 0.17A, 277V: 0.14A  
49W: 120V: 0.41A, 208V: 0.24A, 240V: 0.21A, 277V: 0.19A

#### Dimming Driver:

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

#### Battery Backup:

Battery backup will operate the LED Lamp for 90 minutes if power falls. Wired for 120-277V.

#### Battery Backup Light Loss Factor:

2'x2' :  
19W: 0.42  
29W: 0.28  
39W: 0.21  
2'x4' :  
29W: 0.55  
39W: 0.41  
49W: 0.33

#### Surge protection:

2kV

### MICROWAVE OCCUPANCY SENSOR (OPTIONAL)

**Capacity Load:** 400VA at 120VAC, 800VA at 230VAC, 1000VA at 277VAC

**Operating Temperature:** -20°C to +60°C (-4°F to +140°F)

**Relay:** Zero-cross relay

**Maximum Mounting Height:** 16.4 feet

**Customizable Detection Area:** 10, 50, 75 or 100%

**Time Delay:** 5s, 30s, 1min, 10min, 20min, 30min

**Cut-Off Period:** 0s, 10s, 1min, 5min, 10min, 30min, 1hr, Bi-Level

**Cut-Off Dimming level:** 10, 20, 30, 50%

**Cut-Off Power:** Less than 1W

**Daylight Threshold:** About 25 fc for disabled

**Sensor Principle:** High Frequency

**Microwave Frequency:** 5.8GHz +/- 75MHz

**Microwave Power:** <0.2mW

**Max Detection Range:** 26 ft. diameter at 16 ft. mounting height

**Detection Angle:** About 30 to 150 degree

**Remote Control:** Adjust settings using remote control (catalog# MVSREM). Only available with 0-10V dimming driver options. Remote control available here.

### LIGHTCLOUD CONTROLLER (OPTIONAL)

Integrated/embedded networked lighting control, luminaire-level lighting control. Fixture, Zone, and plug-load control from one powerful device, LLLC-capable of switching, 0-10V dimming, power/energy monitoring. Can also be used to extend the range of the Lightcloud mesh network communication protocols. Offers the capability to set the maximum light output to a less-than-maximum state of an individual luminaire at the time of installation or commissioning. The High-End trim functionality is field reconfigurable via the Lightcloud mesh network communication protocols. The Lightcloud controller can be attached to the fixture, junction box, or electrical panel.

DLC system - N1XMLOEATBA

### LIGHTCLOUD BLUE CONTROLLER (OPTIONAL)

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. Learn more at [www.lightcloud.com](http://www.lightcloud.com)

DLC system - N1XMLOEATBA

#### Gateway Required

No

#### Communication Protocol

Bluetooth Mesh

#### Range

Up to 60 feet between standard building materials

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 that the device is online and select 'Delete'. The device will flash on/off 5 times and return to full brightness.

Method 2: Manual

Locate the device identification button at the top of the Controller under the Lightcloud logo. Press and hold this button for 10s or until the indicator light begins flashing red. If the Controller is attached to a fixture, the fixture will also flash on/off 5x.

#### Status Indicator

The status indicator light is located around the circumference of the top of the Controller.

Solid Green - Nano is paired to the Lightcloud Blue app

Flashing Red - Nano has been restored to default factory settings

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## LIGHTCLOUD BLUE CONTROLLER (CONTINUED)

### Device Identification Button

Located at the top of the controller under the Lightcloud logo.

Once the Controller has been provisioned to the Lightcloud Blue mobile app this button offers the following functionality:

- Press once to rapid identify this device in the Lightcloud Blue mobile app
- Press twice to toggle circuit on and off
- Press twice and hold to set dim level
- Press and hold for 10s to reset the device to factory settings and into pairing mode

## 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).

\*Visit [rablighting.com](http://rablighting.com) to see which models are DLC listed

## PERFORMANCE

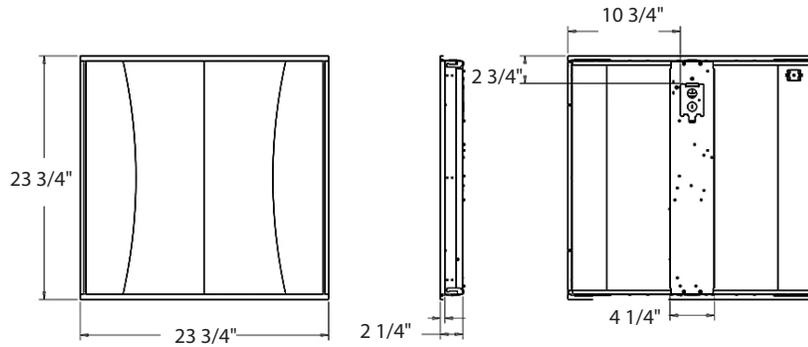
### Lifespan

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

## DIMENSIONS(CONTINUED)

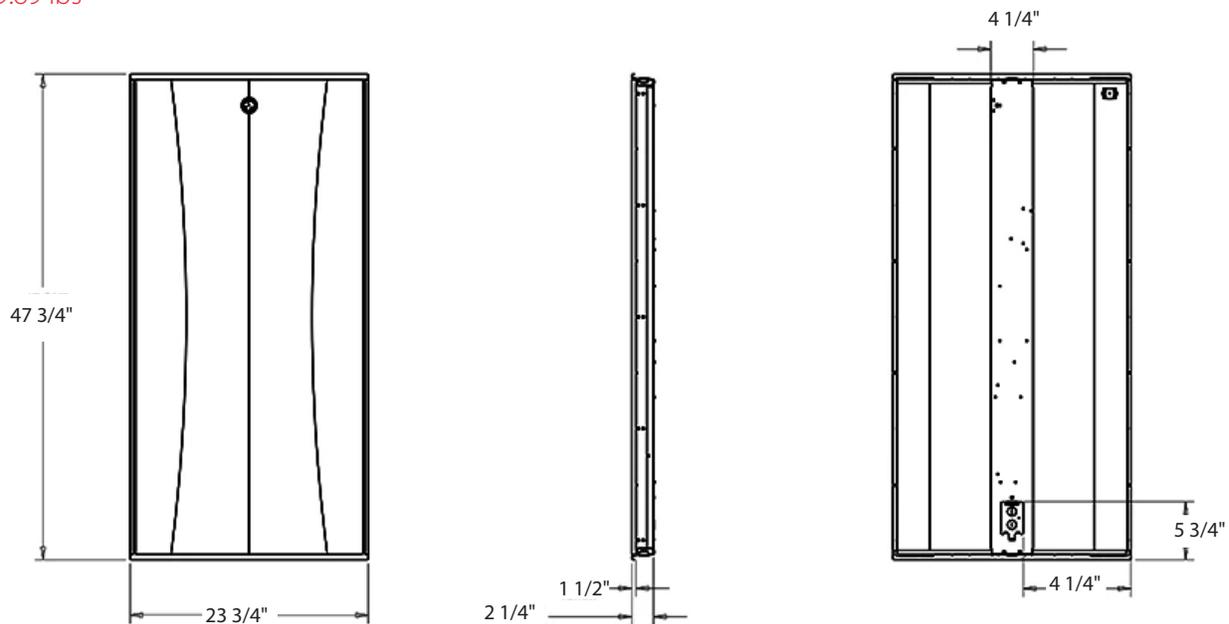
Model: 2'X2'

Weight: 11.05 lbs



Model: 2'X4'

Weight: 19.89 lbs



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## ACCESSORIES (to be ordered separately)

Image	SKU#	UPC	Description
	MSR1	192552026055	MULTI-SENSOR REMOTE CONTROL IP20

## PERFORMANCE

SWISH FA EDGE2X2 19W	3500K	4000K
INPUT WATTS	20W	20W
LUMENS	2,406	2,466
LM/W	118	122
CRI	82	83
VOLTAGE RATINGS	120-277V	

SWISH FA EDGE2X2 29W	3500K	4000K
INPUT WATTS	28W	28W
LUMENS	3,266	3,355
LM/W	115	119
CRI	82	82
VOLTAGE RATINGS	120-277V	

SWISH FA EDGE2X2 39W	3500K	4000K
INPUT WATTS	37W	37W
LUMENS	4,127	4,240
LM/W	117	116
CRI	82	82
VOLTAGE RATINGS	120-277V	

SWISH FA EDGE2X4 29W	3500K	4000K
INPUT WATTS	31W	30W
LUMENS	3,926	3,938
LM/W	128	132
CRI	82	83
VOLTAGE RATINGS	120-277V	

SWISH FA EDGE2X4 39W	3500K	4000K
INPUT WATTS	40W	39W
LUMENS	4,970	4,991
LM/W	126	129
CRI	82	83
VOLTAGE RATINGS	120-277V	

SWISH FA EDGE2X4 49W	3500K	4000K
INPUT WATTS	48W	47W
LUMENS	5,978	6,016
LM/W	124	127
CRI	82	83
VOLTAGE RATINGS	120-277V	

## ORDERING MATRIX

### SWISHFA-EDGE

Family	Housing Size/Wattage	CRI/ Color Temperature	Driver/Voltage	Options	
SWISHFA-EDGE			U		
2X2	2' x 2'   Selectable :19W/29W/39W Factory default: 29W @ 4000K	840 80CRI, 4000K, Neutral 835 80CRI, 3500K, Warm Neutral	U 0-10V Dimming	Blank /E2 /LC /LCS /MVS /LC/E2 /LCS/E2 /MVS/E2  /LCB /LCBS /LCB/E2 /LCBS/E2	No Option Battery Backup Lightcloud® Controller Lightcloud® Sensor Microwave Occupancy Sensor Lightcloud® Controller w/ Battery Backup Lightcloud® Sensor w/ Battery Backup Microwave Occupancy Sensor w/ Battery Backup Lightcloud Blue enabled Lightcloud Blue enabled w/ PIR Sensor Lightcloud Blue enabled w/ Battery Backup Lightcloud Blue enabled w/ PIR Sensor w/ Battery Backup
2X4	2' x 4'   Selectable : 29W/39W/49W Factory default: 39W @ 4000K				