

2'X2'

2'X4'

PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____



KEY FEATURES

- Available in two sizes with following selectable wattages:
2' X 2': 19/29/39W, default 29W
2' X 4': 29/39/49W, default 39W
- Adjustable CCT: 3500/4000K (Default: 4000K)
- Voltage rating 120-277V
- Recessed into T-grid ceiling. Surface and recessed mounting kits for drywall ceilings, sold separately
- IC rated and CCEA compliant
- 5-year, no-compromise warranty

SWISH Island Center Basket - Field Adjustable



PERFORMANCE

SWISH FA ISLAND2X2 19W	3500K	4000K
LUMENS	2,630	2,659
INPUT WATTS	19.3	19.6
LM/W	133.5	133.0
CRI	82	81

SWISH FA ISLAND2X2 29W	3500K	4000K
LUMENS	3,889	3,932
INPUT WATTS	29.2	29.7
LM/W	132.3	131.5
CRI	82	81

SWISH FA ISLAND2X2 39W	3500K	4000K
LUMENS	4,852	4,906
INPUT WATTS	37.9	38.5
LM/W	128.0	127.4
CRI	82	81

SWISH FA ISLAND2X4 29W	3500K	4000K
LUMENS	3,939	3,986
INPUT WATTS	28.4	28.8
LM/W	136.8	136.5
CRI	83	81

SWISH FA ISLAND2X4 39W	3500K	4000K
LUMENS	5,138	5,199
INPUT WATTS	38.3	38.9
LM/W	133.8	133.3
CRI	82	81

SWISH FA ISLAND2X4 49W	3500K	4000K
LUMENS	6,125	6,198
INPUT WATTS	46.9	47.6
LM/W	130.6	130.2
CRI	82	81

TECHNICAL SPECIFICATIONS

CONSTRUCTION

Cold Weather Statting

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 / Finish

Sheet metal and extruded aluminum / White

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

ELECTRICAL

Drivers:

Class 2, Constant Current, 120-277V, 50/60Hz

19W: 120V: 0.16A, 208V: 0.1A, 240V: 0.09A, 277V: 0.08A

29W: 120V: 0.25A, 208V: 0.15A, 240V: 0.13A, 277V: 0.11A

39W: 120V: 0.32A, 208V: 0.19A, 240V: 0.16A, 277V: 0.14A

49W: 120V: 0.40A, 208V: 0.23A, 240V: 0.20A, 277V: 0.18A

Dimming Driver:

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

THD:

2'x2' : 3.93% at 120V, 4.5% at 277V

2'x4' : 2.91% at 120V, 5.94% at 277V

Power Factor:

2'x2' : 99.8% at 120V, 95.45% at 277V

2'x4' : 99.8% at 120V, 95.3% at 277V

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: 0.50

29W: 0.33

39W: 0.26

2'x4' :

29W: 0.67

39W: 0.50

49W: 0.42

FIELD ADJUSTABILITY

Field Adjustable:

2'x2': 19W/29W/39W (factory default 29W)

2'x4': 29W/39W/49W (factory default: 39W)

Color temperature: Selectable by 3500K and 4000K (factory default 4000K)

COMPLIANCE

UL Listed

Suitable for dry and damp locations

DLC Listed

This product family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at designlights.org to confirm the qualification status of a specific SKU prior to specification or purchase.

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

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](#).

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.

Lifespan

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

WIRELESS NETWORK LIGHTING CONTROLS

Lightcloud products offer integrated network lighting control for a truly wireless solution that allows you to manage RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and commercial applications. Each device can communicate with other devices in the mesh network. With two Lightcloud systems to choose from, it's easy to implement controls anywhere.

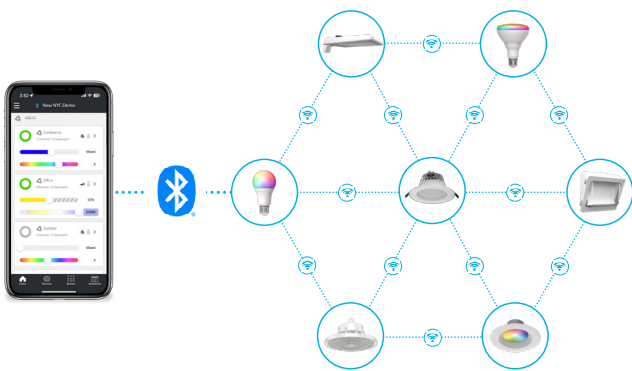


Learn more about Lightcloud wireless networked lighting controls.

Design Lights Consortium Network Lighting Controls:

- Interior Applications: N1XMLOEATB
- Exterior Applications: NHCZ2BIA17L

Lightcloud®



- Utilizes Bluetooth Mesh, eliminating the need for a Gateway or Hub
- Ideal for applications that need basic wireless control such as ON/OFF, dimming, color tuning, Schedules, and SmartShift
- Download the Lightcloud Blue mobile app for iOS or Android devices
- Add the XDIM/BRIDGE/LCB and LCGATEWAY to adopt premium Lightcloud Enterprise features

SIMPLE SETUP

- 1** Download the app.
- 2** Connect product to power.
- 3** Pair product to app.
- 4** Enjoy!

Learn more about [Lightcloud Blue](#). Visit the [Lightcloud Blue Resources](#) page for more information on how to use the system.

Lightcloud®



- Utilizes a secure cellular and Zigbee mesh network that requires a Gateway or Hub (sold separately)
- Offers premium features like remote commissioning, demand response, BACnet integration, and more
- Download the Lightcloud Enterprise mobile app for iOS or Android devices

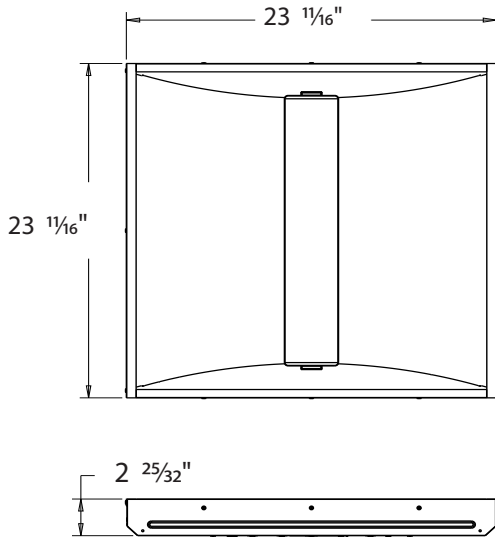
SIMPLE SETUP

- 1** Download the app.
- 2** Complete the startup document.
- 3** Connect product to power.
- 4** Contact RAB for Remote Commissioning.
- 5** Enjoy!

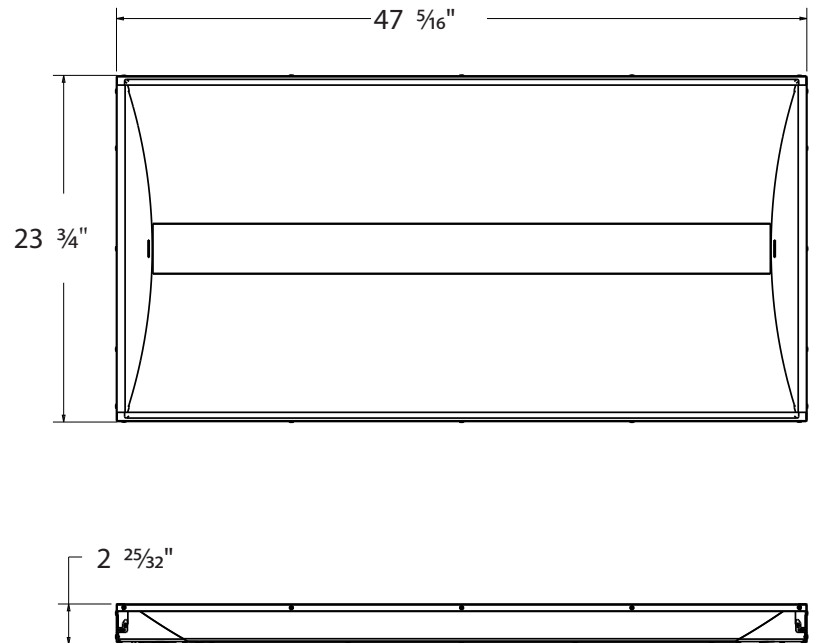
Learn more about [Lightcloud Enterprise](#). Visit the [Lightcloud Enterprise Resources](#) page for more information on how to use the system.

DIMENSIONS

Model: 2'X2'
Weight: 9.9 Lb



Model: 2'X4'
Weight: 15.2 Lb



ACCESSORIES (to be ordered separately)

Image	SKU#	UPC	Description
	MVSREM	019813490991	REMOTE FOR MICROWAVE SENSOR FOR TROFFER
	SMKPANEL1X4	019813295824	LPANEL 1X4 SURFACE MOUNTING KIT WHITE
	SMKPANEL2X2	019813104973	LPANEL 2X2 SURFACE MOUNTING KIT WHITE
	SMKPANEL2X4	019813295831	LPANEL 2X4 SURFACE MOUNTING KIT WHITE

ORDERING MATRIX

SWISHFA-ISLAND

Family	Size	Options
SWISHFA-ISLAND		
2X2	2' x 2' Field-adjustable : 19W/29W/39W 3500K/4000K Factory default: 29W @ 4000K	Blank /E /LC /LCS /MVS /LC/E /LCS/E /MVS/E
2X4	2' x 4' Field-adjustable : 29W/39W/49W 3500K/4000K Factory default: 39W @ 4000K	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