SWISH® FA ISLAND

RAB®

2'X2'

2'X4'

PROJECT:

DATE:

TYPE:

PREPARED BY:

SWISH Island Center Basket - Field Adjustable

FIELD ADJUSTABLE | **0-10V** | **BATTERY BACKUP** | **IC RATED** | **POWERED BY LIGHTCLOUD** | **DAMP RATED** | **100,000 HOURS**

TECHNICAL SPECIFICATIONS

FIELD ADJUSTABILITY

Field Adjustble:
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)

ELECTRICAL

Drivers:
Class 2, Constant Current, 120-277V, 50/60Hz
19W: 120V: 0.16A, 208V: 0.10A, 240V: 0.08A, 277V: 0.07A
29W: 120V: 0.25A, 208V: 0.14A, 240V: 0.12A, 277V: 0.11A
39W: 120V: 0.33A, 208V: 0.19A, 240V: 0.17A, 277V: 0.14A
49W: 120V: 0.41A, 208V: 0.24A, 240V: 0.21A, 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' : 2.49% at 120V, 4.56% at 277V
2'X4' :2.93% at 120V, 5.63% at 277V

Power Factor:
2'x2' : 99.8% at 120V, 94.75% at 277V
2'X4' : 99.69% at 120V, 95.2% 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

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

LED CHARACTERISTICS

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

Color Stability
LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

COMPLIANCE

UL Listed
Suitable for dry and damp locations

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TECHNICAL SPECIFICATIONS

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

Micowave Frequency: 5.8GHz +/- 75MHz

Micowave 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 ne 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, juction 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
DLC system - N1XMLOEATBA

LIGHTCLOUD BLUE CONTROLLER

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 Bluetooh 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

Device Identification Button
Llocated 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.
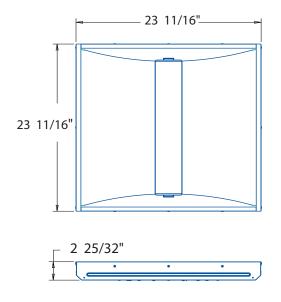
PERFORMANCE

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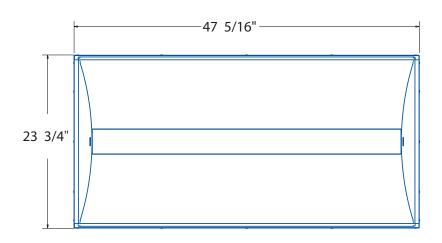100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

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DIMENSIONS

Model: 2'X2'
Weight: 9.9 Lb

Model: 2'X4'
Weight: 15.2 Lb

23 11/16"

23 11/16"

2 25/32"

47 5/16"

23 3/4"

2 25/32"

PERFORMANCE

SWISH FA ISLAND2X2 19W	3500K	4000K
LUMENS	2274	2274
INPUT WATTS	18.1	18
LM/W	123.1	126.1
CRI	84	84

SWISH FA ISLAND2X4 29W	3500K	4000K
LUMENS	3537	3579
INPUT WATTS	28.7	28.5
LM/W	123.4	125.5
CRI	83	83

SWISH FA ISLAND2X2 29W	3500K	4000K
LUMENS	3373	3446
INPUT WATTS	27.9	27.8
LM/W	120.9	123.8
CRI	83	83

SWISH FA ISLAND2X4 39W	3500K	4000K
LUMENS	4623	4699
INPUT WATTS	38.5	38.3
LM/W	120.1	122.6
CRI	83	83

SWISH FA ISLAND2X2 39W	3500K	4000K
LUMENS	4303	4408
INPUT WATTS	36.9	36.9
LM/W	116.5	119.4
CRI	83	83

SWISH FA ISLAND2X4 49W	3500K	4000K
LUMENS	5484	5561
INPUT WATTS	47.1	46.8
LM/W	116.5	118.8
CRI	83	83

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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
	RMKPANEL1X4	019813104997	LPANEL 1X4 RECESSED MOUNTING KIT WHITE
	RMKPANEL2X2	019813104966	LPANEL 2X2 RECESSED MOUNTING KIT WHITE
	RMKPANEL2X4	019813104980	LPANEL 2X4 RECESSED MOUNTING KIT WHITE

ORDERING MATRIX

SWISHFA-ISLAND

Family	Housing Size		Options	
SWISHFA-ISLAND				
	2X2	2' x 2' | Field-adjustable :19W/29W/39W | 3500K/4000K Factory default: 29W @ 4000K	Blank	No Option
	2X4	2' x 4' | Field-adjustable : 29W/39W/49W | 3500K/4000K Factory default: 39W @ 4000K	/E	Battery Backup
			/LC	Lightcloud® Controller
			/LCS	Lightcloud® Sensor
			/LCB	Lightcloud® Blue Sensor
			/MVS	Microwave Occupancy Sensor
			/LC/E	Lightcloud® Controller w/ Battery Backup
			/LCS/E	Lightcloud® Sensor w/ Battery Backup
			/MVS/E	Microwave Occupancy Sensor w/ Battery Backup
			/LCB/E	Lightcloud® Blue Sensor w/ Battery Backup