SWISHFA-ISLAND2X4/MVS/E

Color: White   Weight: 18.5 lbs

Project:		Type:
Prepared By:		Date:

Driver Info

Type	Constant Current
120V	0.33A
208V	0.19A
240V	0.17A
277V	0.14A
Input Watts	28.5-47.1W

LED Info

Watts	39W
Color Temp	Field Adjustable
Color Accuracy	83 CRI
L70 Lifespan	100,000 Hours
Lumens	3537-5561
Efficacy	116.5-125.5 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:

Field adjustable light output:
2' x 4': 29W/39W/49W (factory default 39W)
Color temperature (selectable by 3500K and 4000K)

Compliance

UL Listed:

Suitable for dry and damp locations.

CCEA Compliant:

Luminaire Requirements used in Environmental Air Space per the electrical code specification of the City of Chicago

IESNA LM-79 & IESNA LM-80 Testing:

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

Performance

Lifespan:

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

Electrical

Drivers:

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

2.93% at 120V, 5.63% at 277V

Power Factor:

99.69% at 120V, 95.2% at 277V

Surge Protection:

2kV

Battery Backup:

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

Battery Backup Light Loss Factor:

29W: 0.67
39W: 0.50
49W: 0.42

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

Technical Specifications (continued)

LED Characteristics

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.

Construction

Ambient Operating Temperature:

-20°C (-4°F) to 40°C (104°F)

IC Rated:

Suitable for direct contact with insulation

Housing:

Galvanized sheet metal

Mounting:

Recessed into T-grid ceiling. Surface and recessed mounting kits available for drywall ceilings.

Reflector:

Aluminum with high reflectance white finish, optimized for uniform distribution.

Lens:

Frosted polystyrene

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Sensor Specifications

Capacitance 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, 5min, 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 .2-5 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 degrees

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. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.
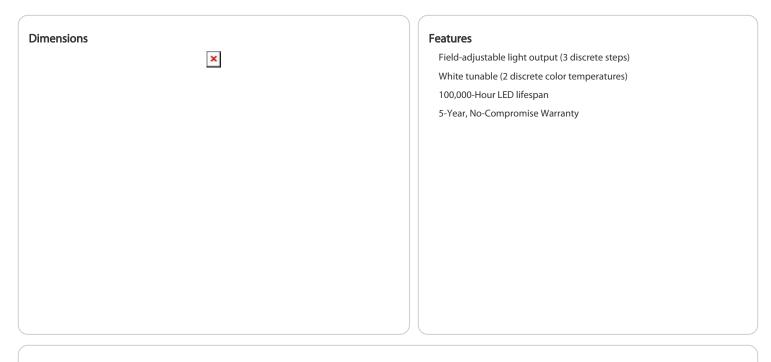
Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Equivalency:

Equivalent to (3) F32T8 or (3) F28T5

SWISHFA-ISLAND2X4/MVS/E

Dimensions

Features

Field-adjustable light output (3 discrete steps)

White tunable (2 discrete color temperatures)

100,000-Hour LED lifespan

5-Year, No-Compromise Warranty

Ordering Matrix

Family	Size	Options
SWISHFA-ISLAND	2X4	/MVS/E

2X2 = 2' x 2' | 19W/29W/39W | 3500K/4000K
2X4 = 2' x 4' | 29W/39W/49W | 3500K/4000K

Blank = No Option
/E = Battery Backup
/LC = Lightcloud® Controller
/LCS = Lightcloud® 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