

SWISH2X4- 49N/D10/MVS/E2



LED efficiency and performance in an economical 2'x4' center basket troffer with emergency battery-backup that will operate the fixture for at least 90 minutes if power fails.

Color: White

Weight: 25.1 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type: Constant Current
120V: 0.41A
208V: 0.24A
240V: 0.21A
277V: 0.18A
Input Watts: 49W
Efficiency: N/A

LED Info

Watts: 49W
Color Temp: 4000K
Color Accuracy: 84 CRI
L70 Lifespan: 100000
Lumens: 6,523
Efficacy: 134 LPW

Technical Specifications

Listings

UL Listing:

Suitable for damp locations

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

Electrical

Driver:

Class 2, Constant Current, 100-277V, 50/60Hz, 120V: 0.41A, 208V: 0.24A, 240V: 0.21A, 277V: 0.18A, THD <15%, Power Factor >90%, 4kV surge protection.

Dimming Driver:

Driver includes dimming control for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

Emergency Battery Backup:

Emergency battery backup will operate the fixture for 90 minutes if power fails. Wired for 120-277V.

THD:

4.1% at 120V, 7.2% at 277V

Smart Sensing:

Programmable occupancy sensor for multi-level lighting control. Includes manual override from a light switch.

Optical

Power Factor:

99.8% at 120V, 96.4% at 277V

Construction

Ambient Temperature:

Suitable for 40°C (104°F) ambient temperatures

IC Rating:

Suitable for direct contact with insulation

Housing:

Die-formed, 20-gauge, cold-rolled steel

Mounting:

Integral T-grid clips make installation easy and secure

Reflector:

High-reflectance, powder-coated finish, optimized for uniform distribution

Lens:

Snap-in, frosted polycarbonate lens

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

LED Characteristics

LEDs:

Long-life, high-efficiency surface mount LEDs

Lifespan:

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

Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011.

Other

Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

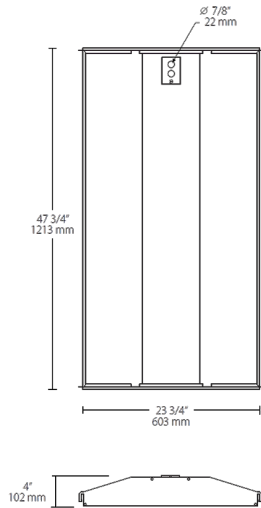
Replacement:

49 Watt 2x4 replaces (3) F32 T8 or (3) F28 T5

Technical Specifications (continued)

<p>Other</p> <hr/> <p>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.</p> <p>Patents: This design is protected by patents pending in US, Canada, China, Taiwan and Mexico.</p> <hr/> <p>Sensor Specifications</p> <p>Capacitance Load: 400W at 120V, 800W at 230V, 1000W at 277V</p> <p>Operating Temperature: -20°C to +60°C (-4°F to +140°F)</p> <p>Relay: Zero-cross relay</p> <p>Maximum Mounting Height: 5m</p>	<p>Customizable Detection Area: 10, 50, 75 or 100%</p> <p>Time Delay: 5s, 30s, 1min, 5min, 10min, 20min, 30min</p> <p>Cut Off Period: 0s, 10s, 1min, 5min, 10min, 30min, 1hr, Bi-Level</p> <p>Cut Off Dimming level: 10, 20, 30, 50%</p> <p>Cut Off Power: Less than 1W</p> <p>Daylight Threshold: About .2-5 fc for disabled</p>	<p>Sensor Principle: High Frequency</p> <p>Microwave Frequency: 5.8GHz +/- 75MHz</p> <p>Microwave Power: <0.2mW</p> <p>Detection Range Max: 16m across, 10m high</p> <p>Detection Angle: About 30 to 150 degrees</p> <p>Remote Control: Adjust settings using remote control (catalog# MVSREM). Only available with 0-10V dimming driver options.</p>
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Dimensions



Features

- Emergency battery back-up included
- Optional surface mount and dry wall frame kits available
- Optional programmable occupancy sensor for multi-level lighting control
- 0-10V dimming standard on all models
- 100,000-hour LED lifespan
- 5-year warranty

Ordering Matrix

Family	Size	Watts	Color Temp	Dimming	Sensor	Battery Backup
SWISH	2X4	49	N	/D10	/MVS	/E2
	2X4 = 2' x 4'	39 = 39W 49 = 49W	Y = 3000K (Warm) YN = 3500K (Warm Neutral) N = 4000K (Neutral)	/D10 = Dimmable	Blank = No Occupancy Sensor /MVS = Occupancy Sensor	/E2 = 120-277V Battery Backup