SWISH2X2-29Y/D10/MVS/E2

Project:		Type:	
Prepared By:		Date:	

Driver Info

Type	Constant Current
120V	0.24A
208V	0.15A
240V	0.13A
277V	0.11A
Input Watts	29W
Efficiency	N/A

LED Info

Watts	29W
Color Temp	3000K (Warm)
Color Accuracy	83 CRI
L70 Lifespan	100,000
Lumens	3,538
Efficacy	121 LPW

LED efficiency and performance in an economical 2'x2' center basket troffer with emergency battery-backup that will operate the fixture for at least 90 minutes if power fails.

Color: White   Weight: 15.7 lbs

Technical Specifications

Listings

UL Listing:

Suitable for damp locations

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.

Electrical

Dimming Driver:

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

Battery Backup:

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

THD:

11.2% at 120V, 11.6% at 277V

Power Factor:

99.3% at 120V, 93.1% at 277V

Smart Sensing:

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

Driver:

Class 2, Constant Current, 100-277V, 50/60Hz, 120V: 0.201A, 208V: 0.24A, 240V: 0.13A, 277V: 0.11A, THD <15%, Power Factor >90%, 4kV surge protection

Construction

Ambient Temperature:

Suitable for 40°C (104°F)

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 light distribution

Lens:

Snap-in, frosted polycarbonate lens

Finish:

Formulated for high-durability and long lasting color

Green Technology:

Mercury and UV-free. RoHS compliant components.

LED Characteristics

LEDs:

Long-life, high-efficacy 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 C78.377-2017.

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

Technical Specifications (continued)

Sensor Specifications

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.

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

Patents:

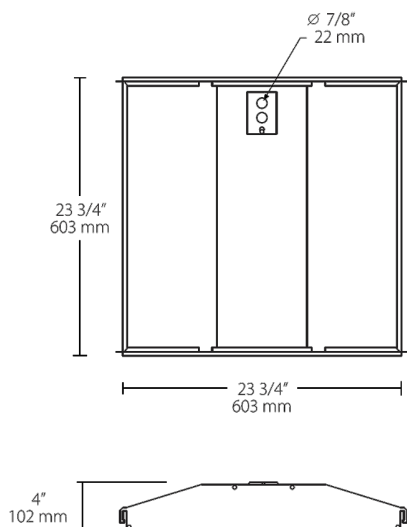This design is protected by patents pending in US, Canada, China, Taiwan and Mexico

Replacement:

Replaces (3) F17 T8 or (3) F14 T5

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.

Dimensions

∅ 7/8"
22 mm

23 3/4"
603 mm

23 3/4"
603 mm

4"
102 mm

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, No-Compromise Warranty

Ordering Matrix

Family	Size		Wattage	Color Temp	Driver	Options	Chicago Penum
SWISH	2X2	–	29	Y	/D10	/MVS/E2	^
	2X4 = 2' x 4' **2X2 =** 2' x 2'		**19 =** 19W (2x2) **29 =** 29W (2x2) **39 =** 39W (2x4) **49 =** 49W (2x4)	**N =** 4000K (Neutral) **YN =** 3500K (Warm Neutral) **Y =** 3000K (Warm)	**/D10 =** 0-10V Dimming	**Blank =** No Option **/E2 =** Emergency Battery Backup **/LC =** Lightcloud Controller **/MVS =** Occupancy Sensor **/MVS/E2 =** Occupancy Sensor + Emergency Battery Backup	**Blank =** Standard **/CP =** Chicago Plenum

Need help? Tech help line: **(888) RAB-1000** Email: **custserv@rablighting.com** Website: **www.rablighting.com**

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