# SWISH2X2-29N/D10/E2

**RAB** LIGHTING

| 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: | 99% |

### LED Info

| | |
|---|---|
| Watts: | 29W |
| Color Temp: | 4000K |
| Color Accuracy: | 85 CRI |
| L70 Lifespan: | 100000 |
| Lumens: | 3,765 |
| Efficacy: | 129 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 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: 0.201A, 208V: 0.24A, 240V: 0.13A, 277V: 0.11A, 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:**

14.3% at 120V, 12.0% at 277V

**Power Factor:**

98.8% at 120V, 92.8% 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 uniorm 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:**

29 Watt 2x2 replaces (3) F17 T8 or (3) F14 T5

**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.
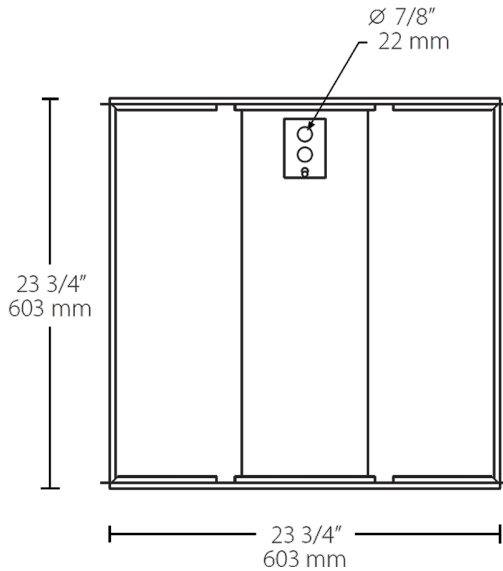
# SWISH2X2-29N/D10/E2

**RAB** LIGHTING

## Technical Specifications (continued)

### Other

**Patents:**

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

### Dimensions

Ø 7/8″
22 mm

23 3/4″
603 mm

23 3/4″
603 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 warranty

### Ordering Matrix

| Family | Size | Watts | Color Temp | Dimming | Sensor | Battery Backup |
|--------|------|-------|------------|---------|--------|----------------|
| SWISH | 2X2 | 29 | N | /D10 | | /E2 |
| | **2X2** = 2' x 2' | **19** = 19W<br>**29** = 29W | **Y** = 3000K (Warm)<br>**YN** = 3500K (Warm Neutral)<br>**N** = 4000K (Neutral) | **/D10** = Dimmable | **Blank** = No Occupancy Sensor<br>**/MVS** = Occupancy Sensor | **/E2** = 120-277V Battery Backup |

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

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