

# SWISH2X4-49N/D10/LC



|                     |              |
|---------------------|--------------|
| <b>Project:</b>     | <b>Type:</b> |
| <b>Prepared By:</b> | <b>Date:</b> |

| <b>Driver Info</b> |                  | <b>LED Info</b> |         |
|--------------------|------------------|-----------------|---------|
| Type:              | Constant Current | Watts:          | 49W     |
| 120V:              | 0.41A            | Color Temp:     | 4000K   |
| 208V:              | 0.24A            | Color Accuracy: | 84 CRI  |
| 240V:              | 0.21A            | L70 Lifespan:   | 100000  |
| 277V:              | 0.18A            | Lumens:         | 6,523   |
| Input Watts:       | 49W              | Efficacy:       | 134 LPW |
| Efficiency:        | N/A              |                 |         |

## Technical Specifications

### Lightcloud

#### Lightcloud Installed:

Lightcloud is a commercial wireless lighting control system and service fully developed and supported by RAB. It's powerful and flexible, yet easy to use and install.

### Listings

#### UL Listing:

Suitable for damp locations

#### DLC Listed:

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities.

DLC Product Code: PK962EZ5

#### 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%.

#### THD:

4.1% at 120V, 7.2% at 277V

### 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 warranted 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

#### Replacement:

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

#### Patents:

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

#### 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).

## Technical Specifications (continued)

### Other

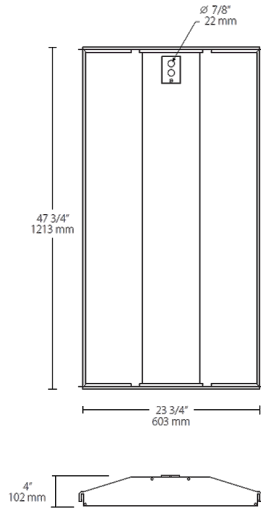
#### Trade Agreements Act Compliant:

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.

## Dimensions



## Features

- Ultra-efficient performance with DLC Premium listing
- Optional surface mount and drywall frame kits available
- 0-10V dimming standard on all models
- 100,000-hour LED lifespan
- 5-year warranty
- Easy setup - simply power on, confirm device connectivity and call 844-LIGHTCLOUD

## Ordering Matrix

| Family | Size          | Watts                | Color Temp   | Dimming         | Lightcloud       |
|--------|---------------|----------------------|--|-----------------|------------------|
| SWISH  | 2X4           | 49                   | N  | /D10            | /LC              |
|        | 2X4 = 2' x 4' | 39 = 39W<br>49 = 49W | Y = 3000K (Warm)<br>YN = 3500K (Warm Neutral)<br>N = 4000K (Neutral) | /D10 = Dimmable | /LC = Lightcloud |