# SWISH2X2-19N/D10/LCBS/E2

# RAB



Color: Whit

Weight: 17.7 lbs

## **Technical Specifications**

Compliance

**UL Listed:** 

Suitable for damp locations

### IESNA LM-79 &lm-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNAIm-79 and Im-80

### Trade Agreements Act Compliant:

This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

### 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. Designed to meet DLC 5.1 requirements. DLC Product Code: PAMSUTEM

### Electrical

### Driver:

Class 2, Constant Current, 120-277V, 50/60Hz, 120V: 0.15A, 208V: 0.10A, 240V: 0.08A, 277V: 0.07A

### **Dimming Driver:**

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%. **THD:** 7.12% at 120V, 9.17% at 277V

**Power Factor:** 99.4% at 120V, 99.5% at 277V

Battery Backup: Battery backup will operate the fixture for 90 minutes if power fails. Wired for 120-277V.

## Surge Protection: 2.5kV

Battery Backup Light Loss Factor: 0.67

Construction Cold Weather Starting: The minimum starting temperature is -20°C (-4°F)

**Ambient Temperature:** Suitable for use in up to 40°C (104°F)

### IC Rated:

Suitable for direct contact with insulation

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

| Project:     | Туре: |
|--------------|-------|
| Prepared By: | Date: |
|              |       |

| Driver Info |             |                  | LED Info       |                 |  |
|-------------|-------------|------------------|----------------|-----------------|--|
|             | Туре        | Constant Current | Watts          | 19W             |  |
|             | 120V        | 0.15A            | Color Temp     | 4000K (Neutral) |  |
|             | 208V        | 0.10A            | Color Accuracy | 85 CRI          |  |
|             | 240V        | 0.08A            | L70 Lifespan   | 100,000 Hours   |  |
|             | 277V        | 0.07A            | Lumens         | 2,776 lm        |  |
|             | Input Watts | 18.3W            | Efficacy       | 151.7 lm/W      |  |

**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

**Color Stability:** LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

#### **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.

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## **Technical Specifications (continued)**

### Performance

### Lifespan:

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

### Lightcloud

### Lightcloud Blue Sensor Installed:

Occupancy, vacancy, and closed loop daylight harvesting in one versatile sensor. In addition control any fixture in your Lightcloud Blue integrated/embedded networked lighting luminaire-level control system. LLLC - capable of switching, 0-10V dimming, power/energy monitoring. Can also be used to extend the range of the Lightcloud Blue utilizing a "BLE Mesh" network communication protocols. The Lightcloud Blue sensor can be attached to the fixture provided an unobstructed view of the coverage area is available. DLC system - N1XMLOEATBA Learn more about Lightcloud.

### 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 <u>rablighting.com/warranty</u>.

### Patents:

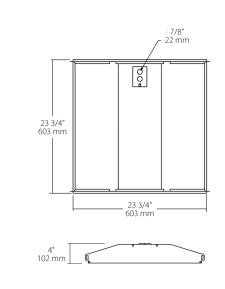
This design is protected by patents pending in US, Canada, China, Taiwan and Mexico

### **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.

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### Features

Direct Connect to the Lightcloud Blue mobile app via Bluetooth, no Gateway or Hub required

Use mobile device to configure features for On/Off Control, Dim Level, Schedules, Scenes, and more.

Meets Luminaire Level Lighting Control (LLLC) requirements

Integrated passive infrared or microwave sensor for added savings

Use mobile device to configure sensor settings for sensitivity, timeout and actions.

Includes emergency battery backup

| Ordering | Matrix |
|----------|--------|
|----------|--------|

| Family | Size   |   | Wattage  | Color Temp  | Driver                  | Options  | Chicago Penum                            |
|--------|--|---|--|---|-------------------------|--|--|
| SWISH  | 2X2  | - | 19   | Ν   | /D10                    | /LCBS/E2   |  |
|        | <b>2X4</b> = 2' × 4'<br><b>2X2</b> = 2' × 2' |   | <b>19</b> = 19W (2x2)<br><b>29</b> = 29W (2x2)<br><b>39</b> = 39W (2x4)<br><b>49</b> = 49W (2x4) | Blank = 5000K Cool<br>N = 4000K Neutral<br>YN = 3500K Warm<br>Neutral<br>Y = 3000K Warm | /D10 = 0-10V<br>Dimming | Blank = No Option<br>/E2 = Battery Backup<br>/LCB = Lightcloud® Controller<br>/LCB = Lightcloud® Blue Enabled<br>/LCBS = Lightcloud® Blue Enabled w/ PIR<br>Sensor<br>/MVS = Microwave Occupancy Sensor<br>/LCF2 = Lightcloud® Controller w/ Battery<br>Backup<br>/LCB/E2 = Lightcloud® Blue Enabled and<br>Battery Backup<br>/LCBS/E2 = Lightcloud® Blue Enabled w/ PIR<br>Sensor and Battery Backup<br>/LCBS/MVS/E2 = Lightcloud® Blue Enabled w/<br>MVS Sensor<br>/LCBS/MVS/E2 = Lightcloud® Blue Enabled w/<br>MVS Sensor and Battery Backup<br>/LCBS/MVS/E2 = Lightcloud® Blue Enabled w/<br>MVS Sensor and Battery Backup<br>/MVS/E2 = Microwave Occupancy Sensor w/<br>Battery Backup | Blank = Standard<br>/CP = Chicago Plenum |