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

| Driver Info |                   | LED Info       |                   |
|-------------|-------------------|----------------|-------------------|
| Type        | Constant Current  | Watts          | 44/35/26W         |
| 120V        | 0.36A/0.28A/0.21A | Color Temp     | 3500K/4000K/5000K |
| 208V        | 0.21A/0.16A/0.12A | Color Accuracy | 82-83 CRI         |
| 240V        | 0.18A/0.14A/0.11A | L70 Lifespan   | 100,000 Hours     |
| 277V        | 0.16A/0.13A/0.10A | Lumens         | 3681-6047 lm      |
| Input Watts | 24.9-42.5W        | Efficacy       | 137.8-150.8 lm/W  |

**Technical Specifications**

**Lightcloud**

**Lightcloud Blue Controller:**  
MVS-IN2/LCB

**Lightcloud Blue:**

Lightcloud Blue is a Bluetooth Mesh wireless lighting control system that allows you to control RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and large commercial applications using the Lightcloud Blue mobile app. Each device in a system can communicate with any other device, eliminating the need for a Gateway or Hub and maximizing the control system's reach.

DLC system - N1XMLOEATBA (Interior);  
NHCZ2BIA17L (Exterior)

Learn more at  
[www.rablighting.com/feature/new-lightcloud-blue](http://www.rablighting.com/feature/new-lightcloud-blue).

**Gateway Required:**  
No

**Communication Protocol:**  
Bluetooth Mesh

**Range:**

Indoor: Up to 60 feet between standard building materials. Building materials such as brick, concrete, and steel construction may require additional Lightcloud Blue devices to extend around an obstruction; Up to 200 feet clear line of sight.

Outdoor: Up to 60 feet clear line of sight; Up to 18 feet around corners.

**Spacing Criteria:**

Lightcloud Blue devices should be placed within the specified range to communicate within the Bluetooth Mesh network.

**Sensor Settings**

**Sensor Connection Type:**  
Integrated

**Max Mounting Height:**  
20 ft

**Detection Range:**  
26 ft diameter at 20 ft mounting height

**Sensor Technology:**  
Microwave (MVS)

**Default Setting:**

Uncommissioned State:  
Motion Sensitivity: High  
Brightness when triggered : 100%  
Hold time: 20 minute  
Standby to dim: 20%  
Standby time: 1 minute  
When vacant: Off

Commissioned State:  
Once pair, the sensor will default to disabled. Once enabled the following settings apply:  
Motion Sensitivity: High  
Brightness when triggered: Last on status  
Hold time: 20 minute  
Standby to dim: 20%  
Standby time: 1 minute  
When vacant: Off

**Adjustable Sensor Settings?:**  
Yes, using the Lightcloud Blue mobile app

**Sensing Type:**  
Occupancy, Vacancy

**Occupied Actions:**  
On or On at a Dim Level

**Vacant Actions:**  
Off or On at a Dim Level

## Technical Specifications (continued)

### Occupancy Timeout:

1 minute to 240 minutes

### Daylight Sensing:

Dim levels will continuously adjust based on the daylight threshold level set in the Lightcloud Blue mobile app.

### Detection Angle:

About 30 to 150 degrees

### Field Adjustability

#### Field Adjustable:

Field Adjustable Light Output:  
44/35/26W (factory default 44W)  
Color Temperature Adjustable:  
3500K, 4000K and 5000K (factory default 4000K)

### Compliance

#### UL Listed:

Suitable for dry and damp locations.

#### IESNA LM-79 & 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.

#### IP Rating:

IP20

#### 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: S-1Y204R

### Electrical

#### Dimming Driver:

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

#### Surge Protection:

2 kV L-L, 2 kV L/N-G

### Construction

#### Cold Weather Starting:

The minimum starting temperature is -4°F (-20°C)

### Maximum Ambient Temperature:

Suitable for use in up to 104°F (40°C)

### Lens:

Diffused Polymethyl Methacrylate (PMMA)

### Housing:

Cold Rolled Carbon Steel Sheets and Strip (SPCC)

### Size:

2'x4'

### Finish:

Formulated for high durability and long-lasting color

### LED Characteristics

#### LEDs:

Long-life, high-efficacy, surface-mount LEDs

### Performance

#### Lifespan:

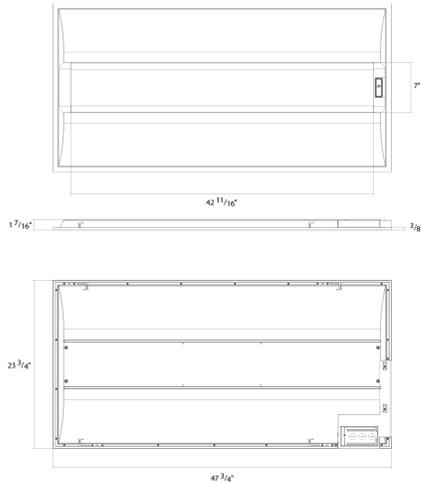
100,000-Hour LED lifespan based on IES lm-80 results and TM-21 calculations

### Other

#### 5-Year Limited Warranty:

The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

Dimensions



Features

- 100,000-Hour LED lifespan
- DLC Premium Listed
- 5-Year, limited warranty

Ordering Matrix

| Family | Size/Wattage   | Color Temp              | Driver                          | Controls  | Battery Backup                      |
|--------|--|-------------------------|---------------------------------|---|-------------------------------------|
| SWISH  | 2X4  |                         |                                 | /LCBS/MVS   |                                     |
|        | 2X2 = 2' x 2', 35/26/18W<br>1X4 = 1' x 4', 35/26/18W<br>2X4 = 2' x 4', 44/35/26W | Blank = 3500/4000/5000K | Blank = 120-277V, 0-10V Dimming | Blank = None<br>/PIR = Passive Infrared Occupancy Sensor<br>/MVS = Microwave Occupancy Sensor<br>/LCBS = Lightcloud Blue w/PIR Sensor<br>/LCBS/MVS = Lightcloud Blue w/MVS Sensor | Blank = None<br>/E = Battery Backup |