



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

| Driver Info |                   | LED Info       |                  |
|-------------|-------------------|----------------|------------------|
| Type        | Constant Current  | Watts          | 30/25/18W        |
| 120V        | 0.25A/0.21A/0.15A | Color Temp     | 3500/4000/5000K  |
| 208V        | 0.14A/0.12A/0.08A | Color Accuracy | 85-86 CRI        |
| 240V        | 0.13A/0.10A/0.08A | L70 Lifespan   | 100,000 Hours    |
| 277V        | 0.11A/0.09A/0.06A | Lumens         | 2,397-3,700 lm   |
| Input Watts | 17.69-29.02W      | Efficacy       | 125.3-135.5 lm/W |

**Technical Specifications**

**Field Adjustability**

**Field Adjustable:**

Field Adjustable Light Output:  
30/25/18W (factory default 30W)  
Color temperature selectable 3500K, 4000K and 5000K (factory default 4000K)

**Compliance**

**UL Listed:**

Suitable for wet 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.

**CCEA Compliant:**

Luminaire Requirements used in Environmental Air Space per the electrical code specification of the City of Chicago

**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-9H1B2F

**Electrical**

**Driver:**

30W: Constant Current, Isolated/Class 2, 120-277V, 50/60 Hz, 120V: 0.25A, 208V: 0.14A, 240V: 0.13A, 277V: 0.11A  
25W: Constant Current, Isolated/Class 2, 120-277V, 50/60 Hz, 120V: 0.21A, 208V: 0.12A, 240V: 0.10A, 277V: 0.09A  
18W: Constant Current, Isolated/Class 2, 120-277V, 50/60 Hz, 120V: 0.15A, 208V: 0.09A, 240V: 0.08A, 277V: 0.06A

**Dimming Driver:**

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

**THD:**

3.74% at 120V, 4.41% at 277V

**Power Factor:**

99.7% at 120V, 96.2% at 277V

**Aux Power Supply:**

Yes

**Dim to Off:**

Yes

**Surge Protection:**

L-N:2.5KV,L/N-GND:2.5KV

**Construction**

**Cold Weather Starting:**

The minimum starting temperature is -40°C (-40°F)

**Maximum Ambient Temperature:**

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

**IC Rated:**

Suitable for direct contact with insulation

**Housing:**

Sheet metal

**Lens:**

Polycarbonate lens

**Finish:**

Formulated for high durability and long-lasting color

**Green Technology:**

Mercury and UV free. RoHS-compliant components.

**Installation**

**Mounting:**

Recessed into T-grid ceiling. Surface and recessed mounting kits available for drywall ceilings.

## Technical Specifications (continued)

### LED Characteristics

#### LEDs:

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

#### 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.

### Performance

#### Lifespan:

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

### Sensor Settings

#### 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 ft

#### Customizable Detection Area:

10, 50, 75 or 100%

#### Time Delay:

5s, 30s, 1min, 5min, 10min, 20min, 30min

#### 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:

Disable/400Lux/350Lux/300Lux/250Lux/200Lux/120Lux/ 80Lux/50Lux/30Lux/10Lux/2Lux

#### Sensor Principle:

High Frequency

#### Microwave Frequency:

5.8GHz +/- 75MHz

#### Microwave Power:

<0.3mW

#### Max Detection Range:

26 ft diameter at 16 ft mounting height

#### Detection Angle:

About 30 to 150 degrees

#### Remote Control Accessory:

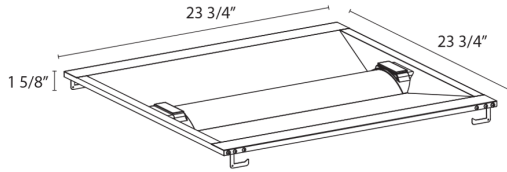
Adjust settings using remote control (catalog# MSR1). Only available with 0-10V dimming driver options. [Remote control available here.](#)

### Other

#### 5 Yr 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  | Length/Wattages   | Color Temp                                  | Finish        | Driver                          | Options   |
|---------|---|---|---------------|---------------------------------|---|
| SWISH34 | -   | 2X2   |               |                                 | /MVS  |
|         | 2X2 = 2' x 2' (30/25/18W)<br>2X4 = 2' x 4' (40/35/30W)<br>1X4 = 1' x 4' (30/25/18W) | Blank = 3500K/4000K/5000K CCT<br>Adjustable | Blank = White | Blank = 120-277V, 0-10V Dimming | /LCBS/MVS/E = Lightcloud Blue w/MVS Sensor & Battery Backup<br>/LCBS/E = Lightcloud Blue w/PIR Sensor & Battery Backup<br>/PIR/E = Passive Infrared Occupancy Sensor w/Battery Backup<br>/MVS/E = Microwave Occupancy Sensor w/Battery Backup<br>/LC/E = Lightcloud w/Battery Backup<br>/LCBS/MVS = Lightcloud Blue w/MVS Sensor<br>/LCBS = Lightcloud Blue w/PIR Sensor<br>/PIR = Passive Infrared Occupancy Sensor<br>/MVS = Microwave Occupancy Sensor<br>/LC = Lightcloud<br>/E = Battery Backup<br>Blank = No Option |