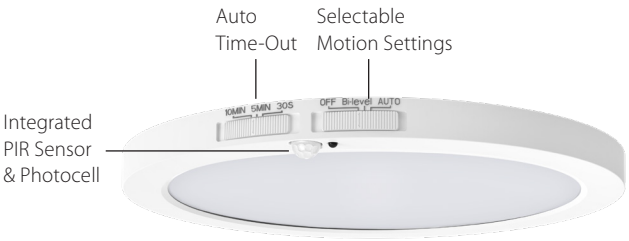
# SUMO Surface Mount w/Adjustable Motion Sensor




Available in 5", 7", and 9"

PROJECT:

DATE:

TYPE:

PREPARED BY:

5 YEAR NO-COMPROMISE WARRANTY | ENERGY STAR | TITLE 24 PART 6 JA8 HIGH EFFICACY LED LIGHT SOURCE REQUIREMENTS | UL CERTIFIED | RoHS | FC COMPLIANT | nec COMPLIANT

## 5", 7", & 9" Slim Surface Mount Downlight, 5CCT Field-Adjustable, Adjustable Motion Settings and Time Out Settings

FIELD ADJUSTABLE | 90 CRI | 50,000 HRS | DAMP RATED | MOTION SENSOR | BI-LEVEL | PHOTOCELL | 120V | J-BOX MOUNT

## KEY FEATURES

- **5 selectable color temperatures** *(2700/3000/3500/4000/5000K)*
- **Integrated PIR sensor** with adjustable motion modes and hold times
- Integrated dusk-to-dawn **photocell**
- **120V**, non-dimmable
- 50,000 hrs, Damp Rated, Energy Star, **5-year, No-Compromise Warranty**

## PERFORMANCE

| Catalog No. | Size | Trim Style | Wattage Equivalency | Input Wattage | Lumens (lm) | Efficacy (lm/W) | Input Voltage | Beam Angle | Color Temperature | CRI | L70 Lifespan | Environment | Energy Star ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUMO-R-5/PIR | 5.5" | Smooth | 40W Incandescent | 10W | 850 | 82 | 120V | 110° | 2700/3000/3500/ 4000/5000K Field adjustable via dip switch | 90 | 50,000 hrs | Dry/Damp | TBA |
| SUMO-R-7/PIR | 7" | | 60W Incandescent | 14W | 1150 | | | | | | | | |
| SUMO-R-9/PIR | 9" | | 75W Incandescent | 18W | 1500 | | | | | | | | |

| SUMO-R-5/PIR | 2700K | 3000K | 3500K | 4000K | 5000K |
|---|---|---|---|---|---|
| Wattage | 10W | 10W | 10W | 10W | 10W |
| Lumens | 863 lm | 896 lm | 947 lm | 958 lm | 938 lm |
| Efficacy | 87.0 lm/W | 90.1 lm/W | 94.7 lm/W | 95.8 lm/W | 94.2 lm/W |

| SUMO-R-7/PIR | 2700K | 3000K | 3500K | 4000K | 5000K |
|---|---|---|---|---|---|
| Input Wattage | 14W | 14W | 14W | 14W | 14W |
| Lumens | 1198 lm | 1209 lm | 1258 lm | 1269 lm | 1271 lm |
| Efficacy | 92.1 lm/W | 93.0 lm/W | 96.0 lm/W | 96.9 lm/W | 97.8 lm/W |

| SUMO-R-9/PIR | 2700K | 3000K | 3500K | 4000K | 5000K |
|---|---|---|---|---|---|
| Input Wattage | 18W | 18W | 18W | 18W | 18W |
| Lumens | 1573 lm | 1594 lm | 1637 lm | 1638 lm | 1626 lm |
| Efficacy | 96.5 lm/W | 97.8 lm/W | 99.2 lm/W | 99.9 lm/W | 99.7 lm/W |

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## TECHNICAL SPECIFICATIONS

### CONSTRUCTION

**Product Type**
Slim style edge-lit surface mount downlight with integrated motion sensor

**Size**
5.5", 7", & 9"

**Shape**
Round

**Trim Style**
Smooth

**Enclosure Material**
Steel heatsink with robust thermal performance Polyester UV resistant trim

**Finish**
Matte White, fade & Scratch resistant

**Lens**
Polycarbonate light diffuser distributes light evenly and smoothly for general lighting applications

### INSTALLATION

**Mounting**
Installs on standard junction boxes with included mounting bracket

### ELECTRICAL

**Dimmable**
No

**Driver**
Constant Current 120V 60 Hz; 120V: 95 mA

**Operating Temperature**
-40°F to 122°F *(-40°C to 50°C)*

**Power Factor**
≥0.9

**Flicker**
≤30%

**Beam Angle**
110°

### SENSOR SETTINGS

**Sensor Connection Type**
Integrated

**Max Mounting Height**
6 ½ ft

**Detection Range**
13 ft diameter at 6 ½ ft mounting height

**Sensor Technology**
Passive Infrared (PIR)

**Adjustable Sensor Settings**
Integrated dip switches to adjust Motion Modes and Hold Times

**Motion Modes**
**Auto *(default):*** Light OFF during the day, stays OFF at night, turns ON at 100% brightness when motion is detected and stays on until the specified hold time expires and the light turns OFF.

**Bi-Level:** Light OFF during the day, stays OFF at night, turns ON at 100% brightness when motion is detected and stays on until the specified hold time expires, light reduces to 50% brightness until the specified hold time expires and the light turns OFF.

**Off:** Motion detection is disabled.

**Hold Times**
30 seconds *(default)*, 5 minutes, 10 minutes

**Photocell**
When the illuminance of natural light is lower than 65-75 lux, the light sensor will be turned off, and will trigger PIR sensor. When the natural light illuminance exceeds 75-85 lux, the light sensor will trigger and the fixture won't light up.

### LED CHARACTERISTICS

**Beam Angle**
110°

**Color Temperature**
Default 3000K
Field adjustable via dip switch *(2700/3000/3500/4000/5000K)*

**Color Accuracy (CRI)**
90

**R9 Value**
High color performance with R9 greater than 50

**Color Consistency**
<4-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

**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.

### COMPLIANCE

**Listings**
UL Listed

**Environment**
Suitable for use indoors in dry and damp environments

**Energy Star Approved**
This product is ENERGY STAR® Certified.

**California Title 24 JA8 Compliant**
Can be used to conform with the requirements of California Title 24 Part 6

**California Energy Commission (CEC) Status**
Lawful for Sales in California

**NEC Compliant**
Suitable for use in closets. Compliant with NEC Sec. 410.16 (A)(1) and 410.16 (C1).

**IESNA LM-79 & LM80 Testing**
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80

**RoHS**
Mercury and UV free. RoHS-compliant components

**FCC**
Complies with Part 15 of the FCC Rules

### WARRANTY

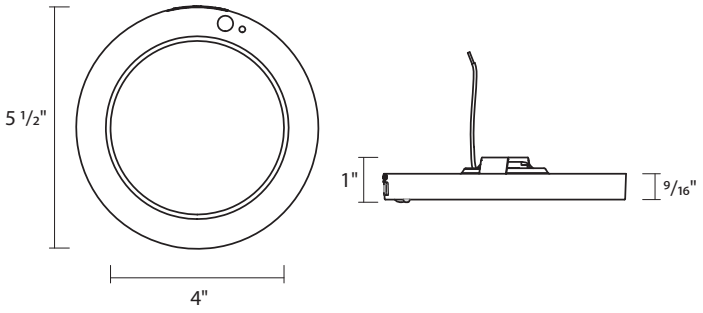
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

# SUMO Surface Mount w/Adjustable Motion Sensor

## DIMENSIONS

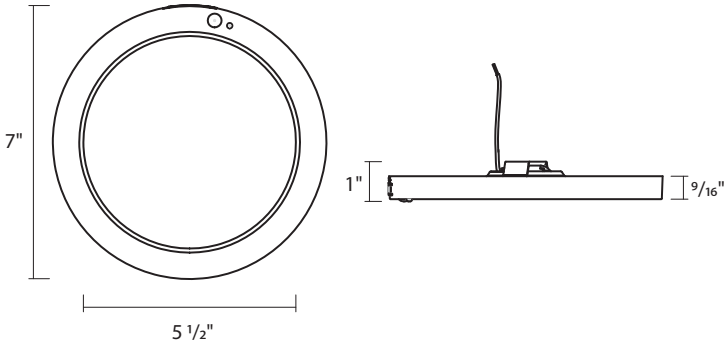
### SUMO-R-5/PIR

Weight: 0.46 lbs



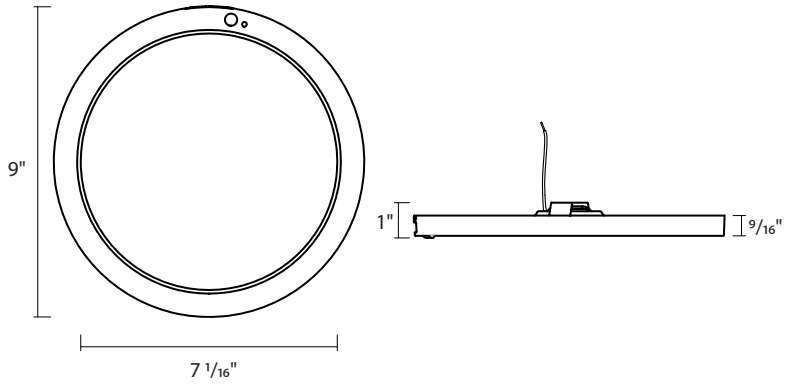

### SUMO-R-7/PIR

Weight: 0.69 lbs




### SUMO-R-9/PIR

Weight: 1.06 lbs




## ORDERING INFO

| Catalog Number | Model Number | UPC | Case Pack |
|---|---|---|---|
| **SUMO-R-5/PIR** | DLS0193(SUMO-R-5/PIR) | 192552053938 | 12 |
| **SUMO-R-7/PIR** | DLS0194(SUMO-R-7/PIR) | 192552053945 | 12 |
| **SUMO-R-9/PIR** | DLS0195(SUMO-R-9/PIR) | 192552053952 | 6 |

## ORDERING MATRIX

| Family | Size/Wattage | Shape | CRI/Color Temp | Driver | Finish | Trim | Controls |
|---|---|---|---|---|---|---|---|
| SUMO | | | | | | | /PIR |
| | 5 5.5", 10W<br>7 7", 14W<br>9 9", 18W | **Blank** Round | **Blank** 90CRI, 2700/3000/3500/4000/5000K CCT Adjustable | **Blank** 120V | **Blank** White | **Blank** Smooth | **/PIR** Passive Infrared Occupancy Sensor + Photocell |