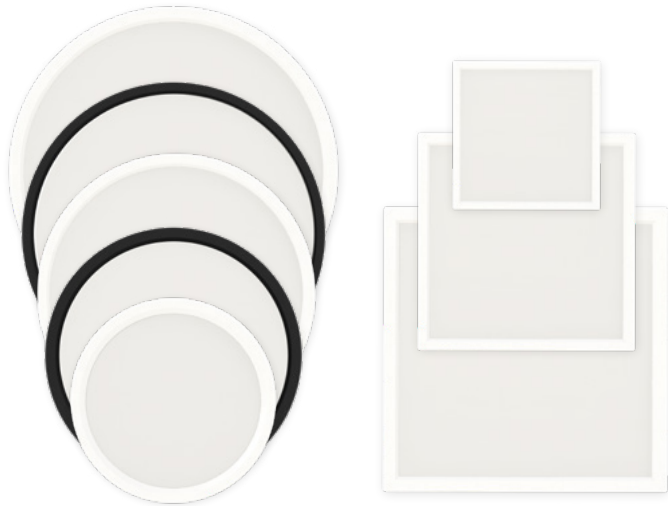


# SUMO Field-Adjustable Surface Mount



Round

Square

5.5", 7", 9", 12", & 15", Round & Square,  
120V TRIAC Dimmable



PROJECT:

DATE:

TYPE:

PREPARED BY:



## KEY FEATURES

- Super slim design with less than 1" fixture profile
- 5 color temperatures in 1 SKU (2700/3000/3500/4000/5000K)
- Wet and damp location rated can be used indoors or outdoors
- Easy to install on a wide variety of junction boxes
- Color trim and battery backup accessories sold separately
- 50,000-hr lifespan, Dimmable, & Title 24 compliant

## PERFORMANCE

| Catalog Number | Size   | Shape  | Wattage Equivalency | Wattage | Lumens   | Efficacy | Dim Type  | Input Voltage | Color Temperature                                                |
|----------------|--------|--------|---------------------|---------|----------|----------|-----------|---------------|------------------------------------------------------------------|
| SUMO-R-5       | 5.5 in | Round  | 60W Incandescent    | 10W     | 890 lm   | 89 lm/w  | TRIAC/ELV | 120V          | Field adjustable via dip switch<br>2700/3000/3500/<br>4000/5000K |
| SUMO-R-5K      |        |        |                     |         | 820 lm   | 82 lm/W  |           |               |                                                                  |
| SUMO-S-5       |        | Square |                     |         | 900 lm   | 90 lm/w  |           |               |                                                                  |
| SUMO-R-7       | 7 in   | Round  | 75W Incandescent    | 14W     | 1,200 lm | 86 lm/w  |           |               |                                                                  |
| SUMO-R-7/BP    |        |        |                     |         | 1,200 lm | 86lm/w   |           |               |                                                                  |
| SUMO-R-7K      |        |        |                     |         | 1,150 lm | 82 lm/W  |           |               |                                                                  |
| SUMO-S-7       |        | Square |                     |         | 1,200 lm | 86 lm/w  |           |               |                                                                  |
| SUMO-R-9       | 9 in   | Round  | 100W Incandescent   | 18W     | 1,600 lm | 89 lm/w  |           |               |                                                                  |
| SUMO-R-9K      |        |        |                     |         | 1,500 lm | 83 lm/W  |           |               |                                                                  |
| SUMO-S-9       |        | Square |                     |         | 1,530 lm | 85 lm/w  |           |               |                                                                  |
| SUMO-R-12      | 12 in  | Round  | 100W Incandescent   | 22W     | 1,500 lm | 83 lm/W  |           |               |                                                                  |
| SUMO-R-12K     |        |        |                     |         | 1,650 lm | 70 lm/W  |           |               |                                                                  |
| SUMO-R-15      | 15 in  |        | 150W Incandescent   | 28W     | 2,000 lm | 70 lm/W  |           |               |                                                                  |
| SUMO-R-15K     |        |        |                     |         | 2,000 lm | 70 lm/W  |           |               |                                                                  |

# SUMO Field-Adjustable Surface Mount



## PERFORMANCE (cont'd)

| Catalog Number                       | Shape  | Wattage | Color Temperature | Efficacy (lm/w) | Lumens | Equivalency |
|--------------------------------------|--------|---------|-------------------|-----------------|--------|-------------|
| SUMO-R-5<br>SUMO-R-5K                | Round  | 10W     | 2700K             | 83              | 830    | 60W         |
|                                      |        |         | 3000K             | 84              | 844    |             |
|                                      |        |         | 3500K             | 88              | 879    |             |
|                                      |        |         | 4000K             | 90              | 896    |             |
|                                      |        |         | 5000K             | 89              | 888    |             |
| SUMO-S-5                             | Square | 10W     | 2700K             | 86              | 864    | 60W         |
|                                      |        |         | 3000K             | 89              | 892    |             |
|                                      |        |         | 3500K             | 92              | 915    |             |
|                                      |        |         | 4000K             | 93              | 928    |             |
|                                      |        |         | 5000K             | 94              | 940    |             |
| SUMO-R-7<br>SUMO-R-7K<br>SUMO-R-7/BP | Round  | 14W     | 2700K             | 85              | 1190   | 75W         |
|                                      |        |         | 3000K             | 85              | 1194   |             |
|                                      |        |         | 3500K             | 86              | 1203   |             |
|                                      |        |         | 4000K             | 86              | 1208   |             |
|                                      |        |         | 5000K             | 87              | 1218   |             |
| SUMO-S-7                             | Square | 14W     | 2700K             | 84              | 1172   | 75W         |
|                                      |        |         | 3000K             | 84              | 1179   |             |
|                                      |        |         | 3500K             | 89              | 1250   |             |
|                                      |        |         | 4000K             | 90              | 1261   |             |
|                                      |        |         | 5000K             | 88              | 1238   |             |
| SUMO-R-9<br>SUMO-R-9K                | Round  | 18W     | 2700K             | 84              | 1506   | 100W        |
|                                      |        |         | 3000K             | 84              | 1514   |             |
|                                      |        |         | 3500K             | 89              | 1596   |             |
|                                      |        |         | 4000K             | 90              | 1622   |             |
|                                      |        |         | 5000K             | 90              | 1617   |             |
| SUMO-S-9                             | Square | 18W     | 2700K             | 82              | 1471   | 100W        |
|                                      |        |         | 3000K             | 82              | 1483   |             |
|                                      |        |         | 3500K             | 84              | 1520   |             |
|                                      |        |         | 4000K             | 86              | 1539   |             |
|                                      |        |         | 5000K             | 83              | 1489   |             |
| SUMO-R-12<br>SUMO-R-12K              | Round  | 22W     | 2700K             | 81              | 1742   | 100W        |
|                                      |        |         | 3000K             | 83              | 1767   |             |
|                                      |        |         | 3500K             | 84              | 1788   |             |
|                                      |        |         | 4000K             | 82              | 1762   |             |
|                                      |        |         | 5000K             | 76              | 1661   |             |
| SUMO-R-15<br>SUMO-R-15K              | Round  | 28W     | 2700K             | 69              | 1885   | 150W        |
|                                      |        |         | 3000K             | 72              | 1974   |             |
|                                      |        |         | 3500K             | 76              | 2069   |             |
|                                      |        |         | 4000K             | 78              | 2128   |             |
|                                      |        |         | 5000K             | 77              | 2120   |             |

# SUMO Field-Adjustable Surface Mount



## TECHNICAL SPECIFICATIONS

### CONSTRUCTION

**Product Type**

Slim style edge-lit surface mount downlight

**Size**

5.5", 7", 9", 12", 15"

**Shape**

Round & Square

**Trim Style**

Smooth

**Enclosure Material**

Steel heatsink with robust thermal performance Polyester UV resistant Polyester trim ring

**Finish**

Matte White or Black, fade & scratch resistant

*Note: Square models only available in matte white*

**Lens Finish**

Acrylic lightguide diffuses light evenly & smoothly without hotspots

### INSTALLATION

**Mounting**

Driver on board design allows for extremely thin fixture design without a driver on back, making it simple to install on most common junction boxes. Accessory available to mount fixture to existing recessed housings, sold separately.

### ELECTRICAL

**Dimmable**

Yes, dimmable down to 10% on compatible TRIAC/ELV dimming systems

**Driver**

Constant Current @ 120V, 60 Hz: 130 mA

**Input Voltage**

120V

**Operating Frequency**

60Hz

**Operating Temperature**

-4°F to 104°F (-20°C to 40°C)

**THD**

≤20%

**Power Factor**

≥0.9

**Flicker**

≤30%

### LED CHARACTERISTICS

**Beam Angle**

110°±10°

**Color Temperature**

Field-adjustable dip switch 2700/3000/3500/4000/5000K

**Color Accuracy (CRI)**

90

**R9 Value**

High color performance with R9 greater than or equal to 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

**Listing**

UL Listed

**Environment**

Suitable for use indoors and outdoors in dry, damp, or wet environments.

**T24 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

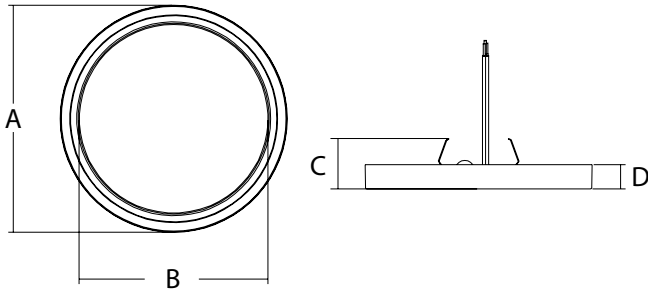
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions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

# SUMO Field-Adjustable Surface Mount

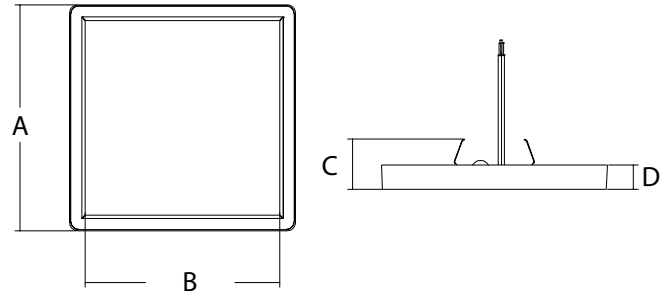


## DIMENSIONS

### ROUND



### SQUARE



| Catalog Number | Weight   | A      | B        | C      | D     |
|----------------|----------|--------|----------|--------|-------|
| SUMO-R-5       | 0.62 lb  | 5 1/2" | 4 9/16"  | 1 1/4" | 9/16" |
| SUMO-R-5K      | 0.62 lb  | 5 1/2" | 4 9/16"  | 1 1/4" | 9/16" |
| SUMO-R-7       | 0.85 lbs | 7"     | 6 3/16"  | 1 1/4" | 9/16" |
| SUMO-R-7K      | 0.85 lbs | 7"     | 6 3/16"  | 1 1/4" | 9/16" |
| SUMO-R-7/BP    | 0.85 lbs | 7"     | 6 3/16"  | 1 1/4" | 9/16" |
| SUMO-R-9       | 1.18 lbs | 9"     | 8 3/16"  | 1 1/4" | 9/16" |
| SUMO-R-9K      | 1.18 lbs | 9"     | 8 3/16"  | 1 1/4" | 9/16" |
| SUMO-R-12      | 1.44 lbs | 12"    | 11 1/16" | 1 1/4" | 9/16" |
| SUMO-R-12K     | 1.44 lbs | 12"    | 11 1/16" | 1 1/4" | 9/16" |
| SUMO-R-15      | 2.60 lbs | 15"    | 14"      | 1 1/4" | 9/16" |
| SUMO-R-15K     | 2.60 lbs | 15"    | 14"      | 1 1/4" | 9/16" |

| Catalog Number | Weight   | A      | B        | C      | D     |
|----------------|----------|--------|----------|--------|-------|
| SUMO-S-5       | 0.62 lb  | 5 1/2" | 4 11/16" | 1 1/4" | 9/16" |
| SUMO-S-7       | 0.85 lbs | 7"     | 6 3/16"  | 1 1/4" | 9/16" |
| SUMO-S-9       | 1.18 lbs | 9"     | 8 3/16"  | 1 1/4" | 9/16" |

## ACCESSORIES

### 5.5" COLOR TRIM



Black



Brushed Nickel



Bronze

### 7" COLOR TRIM



Black



Brushed Nickel



Bronze

### 9" COLOR TRIM



Black



Brushed Nickel



Bronze

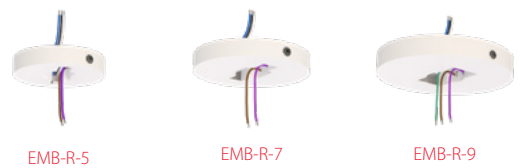
| Catalog Number    | UPC          | Description                          |
|-------------------|--------------|--------------------------------------|
| SUMO-TRIM-R-5-BLK | 192552039918 | 5.5" Color trim round black          |
| SUMO-TRIM-R-5-BN  | 192552039925 | 5.5" Color trim round brushed nickel |
| SUMO-TRIM-R-5-BRZ | 192552039932 | 5.5" Color trim round bronze         |
| SUMO-TRIM-R-7-BLK | 192552039949 | 7" Color trim round black            |
| SUMO-TRIM-R-7-BN  | 192552039956 | 7" Color trim round brushed nickel   |
| SUMO-TRIM-R-7-BRZ | 192552039963 | 7" Color trim round bronze           |
| SUMO-TRIM-R-9-BLK | 192552039970 | 9" Color trim round black            |
| SUMO-TRIM-R-9-BN  | 192552039987 | 9" Color trim round brushed nickel   |
| SUMO-TRIM-R-9-BRZ | 192552039994 | 9" Color trim round bronze           |

# SUMO Field-Adjustable Surface Mount



## ACCESSORIES (cont'd)

### BATTERY BACKUP MODULE



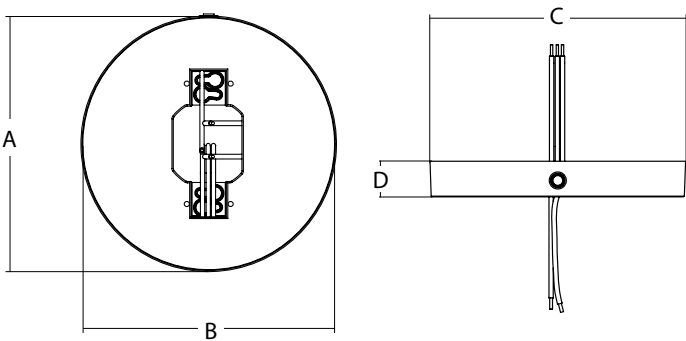
### BATTERY BACKUP MODULE – EMPTY CASE



| Catalog Number | UPC          | Description                    |
|----------------|--------------|--------------------------------|
| EMB-R-5        | 192552060165 | 5.5" Battery backup module     |
| EMB-R-7        | 192552060172 | 7" Battery backup module       |
| EMB-R-9        | 192552060189 | 9" Battery backup module       |
| EMB-R-5/EC     | 192552060196 | 5.5" Battery backup empty case |
| EMB-R-7/EC     | 192552060202 | 7" Battery backup empty case   |
| EMB-R-9/EC     | 192552060219 | 9" Battery backup empty case   |

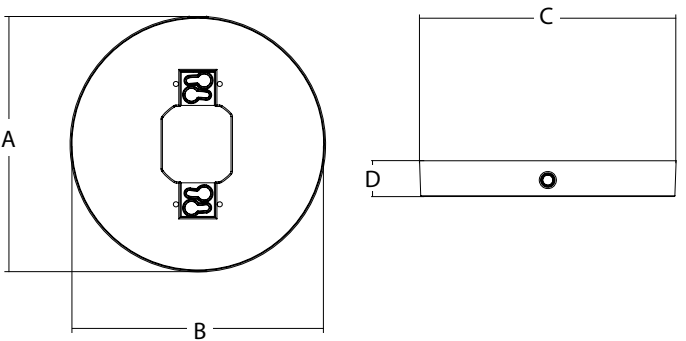
## DIMENSIONS – ACCESSORIES

### BACKUP MODULES



| Catalog Number | Weight   | A       | B       | C       | D       |
|----------------|----------|---------|---------|---------|---------|
| EMB-R-5        | 0.73 lbs | 5 9/16" | 5 9/16" | 5 9/16" | 1 1/16" |
| EMB-R-7        | 0.81 lbs | 7 1/8"  | 7 1/16" | 7 1/16" | 1"      |
| EMB-R-9        | 1.32 lbs | 9 1/8"  | 9 1/16" | 9 1/16" | 1 3/16" |

### EMPTY CASES



| Catalog Number | Weight   | A       | B       | C       | D       |
|----------------|----------|---------|---------|---------|---------|
| EMB-R-5/EC     | 0.73 lbs | 5 9/16" | 5 9/16" | 5 9/16" | 1 1/16" |
| EMB-R-7/EC     | 0.81 lbs | 7 1/8"  | 7 1/16" | 7 1/16" | 1"      |
| EMB-R-9/EC     | 1.32 lbs | 9 1/8"  | 9 1/16" | 9 1/16" | 1 3/16" |

# SUMO Field-Adjustable Surface Mount



## ORDERING INFO

| Catalog Number | UPC          | Model Number         | Case Pack |
|----------------|--------------|----------------------|-----------|
| SUMO-R-5       | 192552060295 | DLS0174(SUMO-R-5)    | 0         |
| SUMO-R-7       | 192552060301 | DLS0175(SUMO-R-7)    | 0         |
| SUMO-R-7/BP    | 192552060318 | DLS0175(SUMO-R-7)    | 12        |
| SUMO-R-9       | 192552060325 | DLS0176(SUMO-R-9)    | 0         |
| SUMO-S-5       | 192552060332 | DLS0177(SUMO-S-5)    | 0         |
| SUMO-S-7       | 192552060349 | DLS0178(SUMO-S-7)    | 4         |
| SUMO-S-9       | 192552060165 | DLS0179(SUMO-S-9)    | 4         |
| SUMO-R-5K      | 192552060172 | DLS0196 (SUMO-R-5K)  | 4         |
| SUMO-R-7K      | 192552060189 | DLS0197 (SUMO-R-7K)  | 4         |
| SUMO-R-9K      | 192552060196 | DLS0198 (SUMO-R-9K)  | 4         |
| SUMO-R-12K     | 192552060202 | DLS0199 (SUMO-R-12K) | 4         |
| SUMO-R-15      | 192552060219 | DLS0200 (SUMO-R-15)  | 6         |
| SUMO-R-15K     | 192552060349 | DLS0201 (SUMO-R-15K) | 6         |

## ORDERING MATRIX

| Family | Shape                                                          | Size                                                                     | Color Temperature                                                        | Driver                                                                   | Finish                                                                   | Options                                                                  |
|--------|----------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|
| SUMO   | <div> <div>—</div> <div></div> <div>—</div> <div></div> </div> | <div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> | <div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> | <div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> | <div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> | <div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> |
|        | R Round                                                        | 5 5.5" (10W)                                                             | Blank                                                                    | Field-Adjustable                                                         | Blank                                                                    | 120V, TRIAC/ELV                                                          |
|        | S* Square                                                      | 7 7" (14W)                                                               |                                                                          |                                                                          | Blank K                                                                  | White Black                                                              |
|        |                                                                | 9 9" (18W)                                                               |                                                                          |                                                                          |                                                                          | Blank /BP**                                                              |
|        |                                                                | 12 12" (22W)                                                             |                                                                          |                                                                          |                                                                          |                                                                          |
|        |                                                                | 15 15" (28W)                                                             |                                                                          |                                                                          |                                                                          |                                                                          |

\*Square shape only available in white finish for 5.5", 7", & 9" models

\*\*Bulk pack only available in 12" white models

# SUMO Field-Adjustable Surface Mount



## Dimmer Compatibility List

Visit [www.rablighting.com](http://www.rablighting.com) for periodic updates to this list or contact us at 888-722-1000 for questions or comments.

| Dimmer Information |             |                | Number of Lights |   |   |    |
|--------------------|-------------|----------------|------------------|---|---|----|
| Dimmer Brand       | Series      | Dimmer Model   | 1                | 4 | 8 | 10 |
| LUTRON             | Maestro C-L | MACL-153M      | ✓                | ✓ |   |    |
| LUTRON             | Skylark     | CTCL-153PDH-WH | ✓                | ✓ |   |    |
| LUTRON             | Skylark C-L | SCL-153P       | ✓                | ✓ |   |    |
| LUTRON             | Diva C-L    | DVCL-153P      | ✓                | ✓ |   |    |
| LUTRON             | Diva C-L    | DVWCL-153PH-WH | ✓                | ✓ |   |    |
| LUTRON             | Toggler     | TGCL-153PH-WH  | ✓                | ✓ |   |    |
| LEVITON            | Sureslide   | 6674           | ✓                | ✓ |   |    |
| LEGRAND            | Harmony     | DCL453PTCCCV6  | ✓                | ✓ | ✓ | ✓  |
| LEGRAND            | Harmony     | HCL453PTCCCV6  | ✓                | ✓ | ✓ | ✓  |
| RAB                | XDIM        | XDIM[/LCB][S]  | ✓                | ✓ | ✓ | ✓  |