



|              |       |
|--------------|-------|
| Project:     | Type: |
| Prepared By: | Date: |

Technical Specifications

Performance

**Product Type:**  
Low Voltage Occupancy Sensor

**Description:**  
Line voltage screw-in sensor, motion detection and daylight sensing.

**L70 Lifespan:**  
50,000-Hour LED lifespan based on IES LM-70 results

Electrical

**Input Voltage:**  
12V

**Operating Frequency:**  
50/60Hz

**Input Current @ 120V (mA):**  
30mA

**Operating Temperature:**  
-4°F to 140°F (-20°C to 60°C)

Sensor Settings

**Sensor Connection Type:**  
Pogo pin

**Max Mounting Height:**  
20 ft

**Detection Range:**  
20 ft diameter at 9 ft mounting height

**Sensor Technology:**  
Passive Infrared (PIR)

**Default Setting:**  
Motion Sensitivity: High  
Brightness when triggered : 100%  
Hold time: 20 minutes  
Standby to dim: 20%  
Standby time: 1 minute  
When vacant: Off  
Daylight: Disabled

**Adjustable Sensor Settings?:**  
Yes, using the MSR1 Remote (sold separately)  
  
Standby to dim: 10%/20%/30%/50%  
  
Standby time:  
0s/10s/30s/1min/5min/10min/30min/60min/+∞

**Daylight Threshold:**  
2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable

Construction

**Shape:**  
Round

**Finish:**  
White

**Enclosure Material:**  
Plastic

Compliance

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

**IP Rating:**  
IP66

**Certification Model Number:**  
PIR20

**California Title 20 Compliant:**  
No

**California Title 24 JA8 Compliant:**  
No

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

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

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

## Technical Specifications (continued)

### Other

#### Compatible Products:

[H17 Field-Adjustable High Bay](#)

[RBAY17 Field-Adjustable High Bay](#)

[VAN17 3-Way Adjustable Canopy](#)

[PARK34 Field-Adjustable Garage Light](#)

Requires RAAS; RAASB:

[SHARK Field-Adjustable Linear Washdown](#)

[SEAL Field-Adjustable Washdown](#)

[GUS 17](#)

Linear wrap

[SR Field-Adjustable Strip](#)

Linear strip

#### Compatible Accessories:

[RAAS](#)

[Right angle arm support](#)

[RAASB](#)

[Right angle arm support](#)

#### 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).

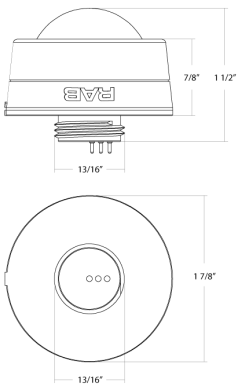
#### Note:

All values are typical (tolerance +/- 10%)

#### 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.

Dimensions



Features

- For use in indoor and outdoor applications in dry, damp or wet environments
- Compatible with 0-10V dimming fixtures with auxiliary power supply
- Integrated dual-technology motion and daylight sensor.
- Adjustable sensor settings using MSR1 remote (sold separately)
- Compatible with various fixtures (high bays, washdown, strips, wraps, wall packs, area, etc.)

Ordering Matrix

| Family | Wire and Voltage | Detection Height         | Finish                     | Options                                            |
|--------|------------------|--------------------------|----------------------------|----------------------------------------------------|
| PIR    |                  | 20                       |                            |                                                    |
|        | Blank = 12VDC    | 20 = 20 ft<br>40 = 40 ft | Blank = White<br>B = Black | Blank = Standard<br>/LCB = Lightcloud Blue Enabled |