

## High/Low Bay Occupancy Sensor + Photocell | Model: S-OP-L/H

### Recessed



S-OP-L12-DRWH Low Bay - Recessed, spring mounted, dry rated  
S-OP-H12-DRWH High Bay - Recessed, spring mounted, dry rated  
S-OP-H12-WRWH Low Bay - Recessed, spring mounted, wet rated  
S-OP-H12-WRWH Low Bay - Recessed, spring mounted, wet rated

### Side Mount



S-OP-L12-WSWH Low Bay - Side Mounted, wet rated  
S-OP-H12-WSWH High Bay - Side Mounted, wet rated

### Bottom Mount



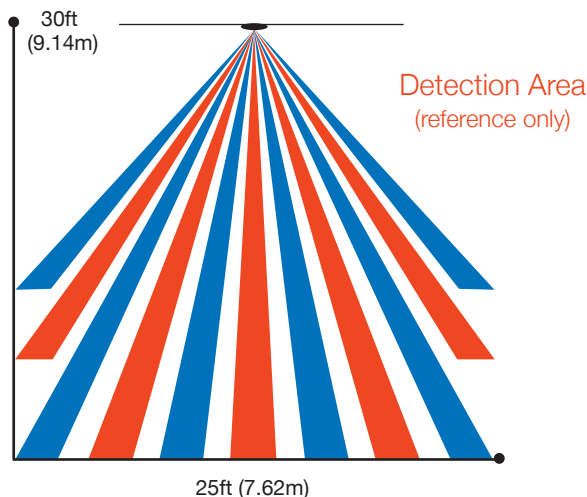
S-OP-H12-WBWH Low Bay - Bottom Mounted, wet rated  
S-OP-H12-WBWH High Bay - Bottom Mounted, wet rated

### In-Fixture

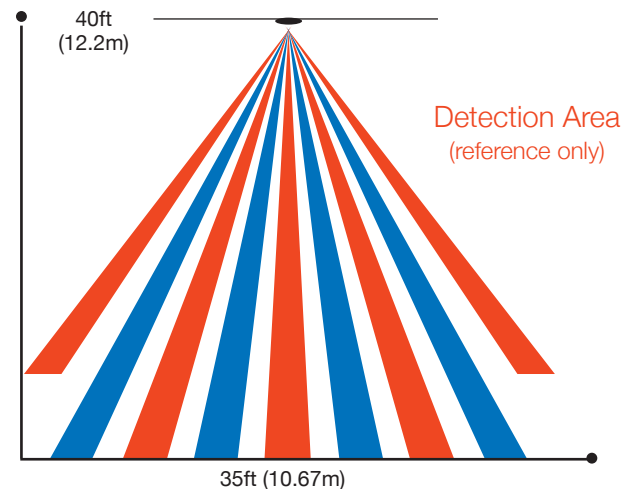


S-OP-H12-WNWH Low Bay - In-Fixture, spring mounted, wet rated  
S-OP-H12-WNWH High Bay - In-Fixture, spring mounted, wet rated

### Low Bay



### High Bay



Specifications

- Sensor Type - PIR Occupancy Sensor
- Input Voltage - 12-24VDC
- Current Consumption - 50mA
- Max Power Consumption - 1.2W
- Mounting Height - ceiling mount up to 40' (12.2m)
- Max Detection Area\* - Low Bay 25' Diameter (7.62m)  
- High Bay 35' Diameter (10.67m)
- Photocell Sensitivity - 30 Lux to Daylight
- Operating Temperature - 22°F to 158°F (-30°C to 70°C)
- Storage Temperature - -40°F to 176°F (-40°C to 80°C)
- Relative Humidity - 90-95% non-condensing at 30°C
- Mounting - Surface
- Dimensions - 3.66" diameter (93 mm)
- Color - White
- Warranty - 2 Years

\*results may vary based on mounting height, temperature, angle, floor material, line of sight, types of clothing, and backgrounds.

Description

The **S-OP-L/H** is a high ceiling, surface mounted Occupancy Sensor with Passive Infrared Sensor. The sensor will automatically turn on luminaires to the set dimming level when motion is detected and turn lights off automatically after the area is vacated.

Sensor Operation

End users can program length of time delays, light level sensitivity, sensor range and other settings using the BubblyNet App.

Applications

The High/Low Bay Sensor with it's different configurations is an ideal selection for both indoor and outdoor applications - side mounting and bottom mounting allow to add sensors on-board luminaires when no space is available for a common in0fixture installation. Recessed spring mounting makes installation simple on drywall or any surface with a cutout.

Certifications



Features

- Bluetooth Mesh Qualified
- Photocell + Occupancy
- PIR Sensor
- LED Motion Indicator
- 360° Coverage Pattern
- Photocell for Ambient Light Detection
- Program Occupancy/Vacancy
- Suitable for Indoor Use Only

Installation

The **High/Low Bay Occupancy Sensor +Photocell** needs to be installed within 60 feet of the closest device within the Bluetooth mesh network. **12-24VDC power needs to be supplied to the sensor, either with an auxiliary output from the driver, one AC/DC transformer or with the auxiliary DC output of a BubblyNet Controller (not included.)**

Connectivity

Devices are repeaters for other devices and should be installed within a certain maximum distance from each other.

Typical maximum distance:

|  |       |
|--|-------|
| <u>Outdoor (line of sight):</u>            | 200ft |
| <u>Indoor (through building material):</u> |       |
| Glass:                                     | 100ft |
| Drywall:                                   | 70ft  |
| Cinderblock:                               | 60ft  |
| Brick:                                     | 50ft  |
| Concrete + rebar                           | 0ft   |

Devices with external antenna should have the antenna outside any metal box and away from metal surfaces as metal reduces connectivity.

For design purposes a 60ft. maximum distance is appropriate for most installations.