

HBS 300 (347-480V)

360° High Bay Occupancy Sensor



Project Name:

Location:



HBS 300 (347-480V) Specifications

| | |
|-----------------------|---|
| Item No. | 64133 (indv. packaged) 64132 (bulk) |
| Accessories | 64304 LC4, Reduced Range Lens Cover 64305 LC5, 180° Half Moon Lens Cover 64307 EM1, Extender Module |
| Voltage | 347/480 VAC, 60 Hz |
| Load Rating | 5A electronic ballast load |
| Sensing Technology | passive infrared (PIR) |
| Time Delay Setting | 15 seconds to 30 minutes |
| Light Level Setting | .2-200 footcandles 2-2000 lux |
| Environment | IP20 rated, -4°F to +122°F, -20°C to +50°C |
| Coverage | 360°, up to 22 foot (6.7 m) radial reach, up to 60 ft (18.2 m) tangential reach |
| Sensors | 3 dual element infrared pyroelectric detectors |
| Dimensions (LxWxD) | 3.9 x 3.9 x 2.6 in, 99 x 99 x 66 mm, nipple length .62 in (15.75 mm) |
| Warranty | 5 years |
| Certifications | C-UL-US Listed, RoHS Compliant, CA Compliant |

The HBS 300 (347-480V) High Bay Occupancy Sensor provides 360 degrees of occupancy based lighting control in 347/480 VAC, 60Hz high bay open area applications.

The sensor performs at a wide range of mounting heights, up to 45 feet. It mounts directly to a high/low bay lighting fixture or junction box. The EM1 Extender Module is recommended if the knockout at the end of the fixture is located greater than 1/2" from the bottom edge of the fixture. With three highly sensitive pyroelectric detectors and a multi-segmented lens, the HBS 300 (347-480V) is able to achieve 1416 switching zones.

Applications

High bay open areas where 360 degree coverage is desired, such as in warehouses, distribution centers, gymnasiums, and loading docks.

Key Features:

- 360° coverage with up to 60 ft tangential reach
- Coverage area may be adjusted with plastic lens covers that snap to the front of the sensor
- 3 pyroelectric detectors with 1416 switching zones provides better detection for high bay applications
- Automatically adjusts to temperature changes keeping sensitivity and coverage consistent
- Light level feature allows lighting to remain off during daylight regardless of occupancy
- User-friendly "teach mode" automatically sets the daylight level, saving time with commissioning.
- Built-in surge protection with auto-reset



Voltage

PIR

Passive Infrared Technology



360° Coverage Max 60 Ft

Fixture
or J Box
Mount

Fixture or Junction Box
Mounting



0.2 - 200 fc

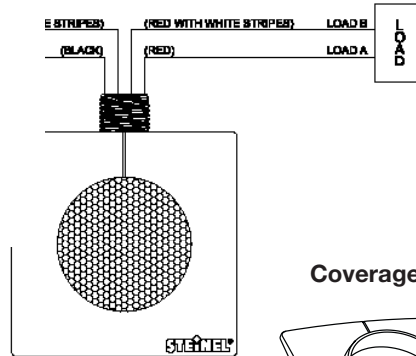
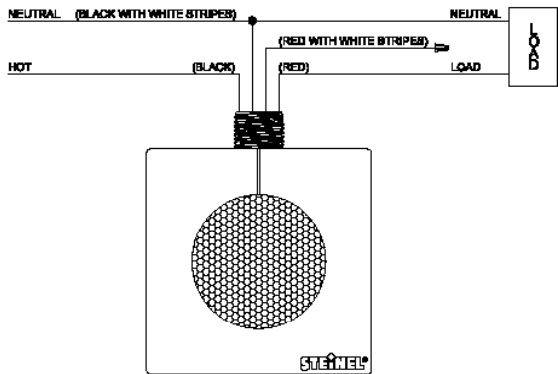
HBS 300 (347-480V)

360° High Bay Occupancy Sensor

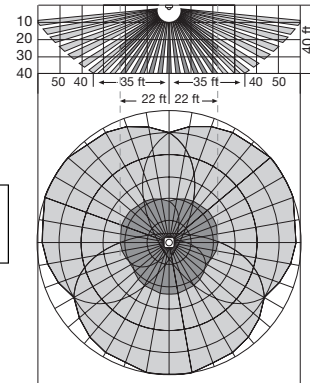


Wiring

347 VAC, 60 Hz Wiring

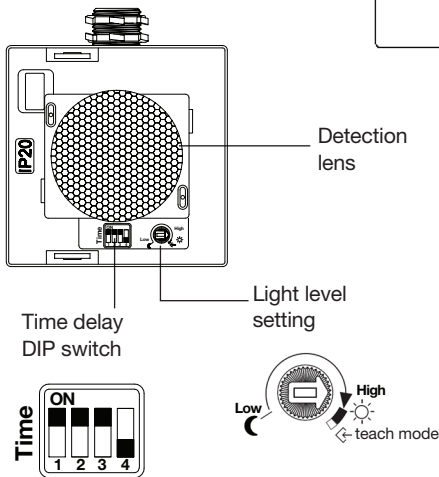


Coverage



Typical mounting height is 8 to 45 ft. Maximum reach is 22 feet radial and 60 feet tangential. Coverage may vary depending on mounting height and environmental conditions.

Setting

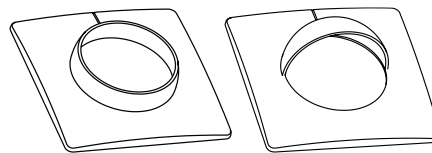


Time Delay DIP Switch

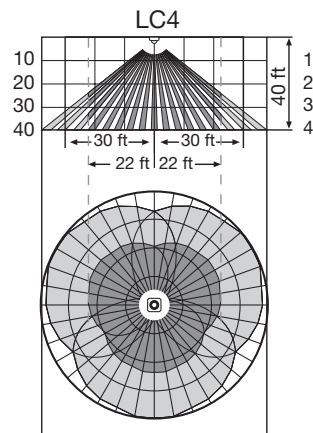
| 1 | 2 | 3 | 4 | Time |
|-----|-----|-----|-----|----------|
| ON | ON | ON | OFF | 15 sec |
| ON | OFF | OFF | OFF | 1 min |
| OFF | ON | ON | OFF | 5 min |
| ON | OFF | ON | OFF | 10 min |
| ON | ON | OFF | OFF | 15 min |
| OFF | ON | OFF | OFF | 20 min |
| OFF | OFF | ON | OFF | 25 min |
| OFF | OFF | OFF | OFF | 30 min |
| N/A | N/A | N/A | ON | override |

Factory setting is 15 minutes.

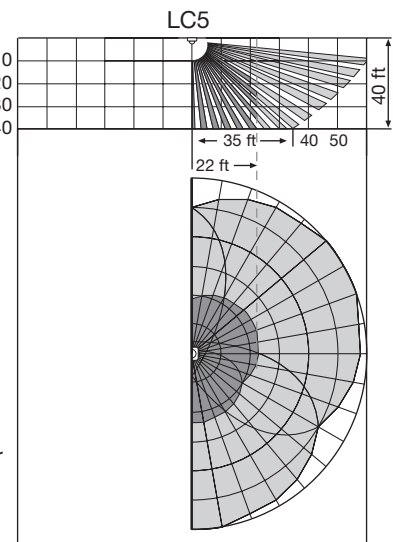
Coverage Adjustment



Lens covers can be used to adjust the HBS 300 (347-480V) coverage as needed. The covers are plastic and snap to the front of a sensor.

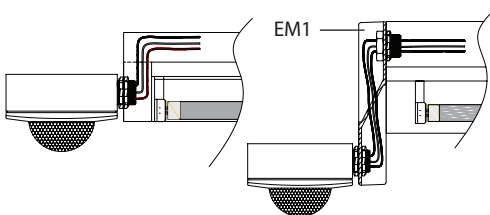


LC4 reduced range lens cover



LC5 180° half moon lens cover

Mounting



The HBS 300 (347-480V) is mounted directly to a lighting fixture. The EM1 Extender Module is recommended if the knockout at the end of the fixture is located greater than 1/2" from the bottom edge of the fixture.