



## ActiLume Classic

### High Bay and Low Bay Occupancy Sensors with Interchangeable Lenses LRS2235/LRS2237

Philips ActiLume Classic is a self-contained Passive Infrared (PIR) sensor and relay that mounts directly to a luminaire or electrical box to provide local occupancy control for either general area or aisle way pattern detection.

The sensor installs directly to an industrial fluorescent luminaire or an electrical junction box. It is a self-contained sensor and relay that turns individual light fixtures on or off based on occupancy in the detection zone. It comes with three interchangeable lenses for use in either a 360° high bay or 360° low bay general area or an aisle way. The PIR sensor minimizes false on triggers due to background environmental conditions such as air movement to provide reliable detection of line-of-sight motion.

#### Features

- 100% digital Passive Infrared sensing technology
- Mounts directly to luminaire or electrical junction box and includes a quicksnap feature which provides a locking mechanism for faster and easier mounting by not requiring a threaded lock-nut
- Three interchangeable lenses allows just one sensor to operate in different functional areas either 360° high bay, 360° low bay, or general area/aisle way applications
- 42" leads allow the installer to reach the ballast at either end of the luminaire without requiring additional wires and connectors
- Time delay setting can be set at any time without requiring power to the sensor
- Time delay is variable from 30 seconds to 20 minutes
- Auto temperature calibration automatically adjust the PIR sensitivity as ambient temperature rises to increase detection of heat movement through the field of view
- False detection intelligence provides increased energy savings and helps to mitigate false tripping
- A bright LED indicates when advanced detection has been activated, and the lights will only turn on when true occupancy has been determined
- This sensor contains a latching relay so that in the event of a power outage, the device will return to the last known state of the relay
- Relay switches are located at the zero crossing point of the AC power curve to ensure maximum contact life and compatibility with electronic ballasts

#### Coverage (Range)

- 8–40 ft. mounting ceiling heights. The 360° high bay lens provides a 2:1 space to mounting height coverage under 25 ft. mounting and a 1.5:1 for heights up to 40 ft. mounting. The 360° low bay lens provides a 2:1 space to mounting height coverage for 8–20 ft. mounting. The aisle lens provides coverage of 60 ft. long by 20 ft. wide for heights up to 40 ft. mounting

#### Compatibility

- Compatible with Philips Advance Optanium programmed start and Centium electronic fluorescent ballasts

#### Applications

- Suitable for use in warehouses, manufacturing, and other high ceiling applications

Job Information	Device Type #: _____
Job Name: _____	
Cat. No.: _____	
Notes: _____	

# PHILIPS

# ActiLume Classic

High Bay and Low Bay Occupancy Sensors with Interchangeable Lenses (LRS2235/LRS2237)

## Technical specifications\*

**Indicator:** Green LED lamp—infrared motion

**Lens:** Segmented Fresnel lens contains 79 segments for optimum sensitivity and detection performance

**Timer settings:** Manual—30 seconds to 20 minutes (factory setting: 30 seconds—no power required to set).

**Construction:** Housing—rugged, high impact, injection molded plastic

**Size:** 3.5" H x 3.5" W x 1.25" D

**Color:** White

**Operating environment:** 14°F to 160°F (-10°C to 71°C); 20% to 90% non-condensing, relative humidity. For indoor use only

**Operational frequencies:** 50/60Hz

**Wire designation:** Line—Black; Neutral—White; Load—Blue

**Input voltage:** 120–230–277–347VAC (LRS2235); 247/480VAC (LRS2237)

**Load rating:**

800VA @ 120VAC Ballast

1200VA @ 277VAC Ballast

1500VA @ 347VAC Ballast

2000VA @ 480VAC Ballast

Motor: ¼ HP Load @ 120V

**Standby power consumption:**

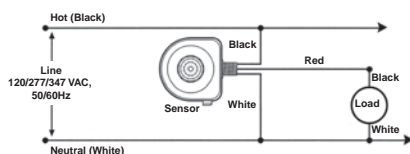
120V—130mW—0.13W

277V—145mW—0.45W

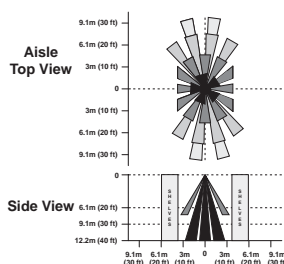
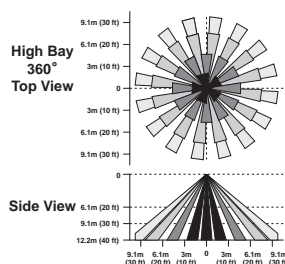
347V—460mW—0.46W

**Listings:** UL Listed and cUL Listed.

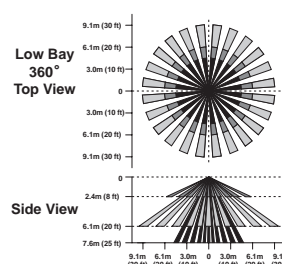
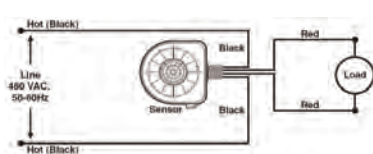
## Wiring diagram: LRS2235



## Field of view (in feet):



## Wiring diagram: LRS2237 (480)



\*Subject to change without notice.

## Ordering information

Ordering Code	Description
LRS223500	Fixture-Mounted Occupancy Sensor, 3 Lenses
LRS223700	Fixture-Mounted Occupancy Sensor, 3 Lenses, 480VAC



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Philips Lighting Electronics N.A.  
10275 West Higgins Road  
Rosemont, IL 60018

Contact Customer Care:  
Phone: 1-800-372-3331  
Via Web: [www.philips.com/contactlighting](http://www.philips.com/contactlighting)  
Website: [www.philips.com/lighting](http://www.philips.com/lighting)