

sensors that install in a snap

for up to 40' high bay
& low bay applications

PHILIPS ACTILUME CLASSIC INFRARED SENSOR

The Philips ActiLume LRM2311/2316 is a compact line voltage sensor that snaps directly into a fixture. The sensor uses Passive Infrared (PIR) detection to detect motion from occupants within its 360° coverage pattern. The sensor coverage area overlaps that of most HID, T-8, or LED fixtures used in both high bay and low bay warehouse applications.

ACTILUME CLASSIC OCCUPANCY SENSOR



Project: _____

Location: _____

Catalog No: _____

Notes: _____

Ordering Information

Part Number	Description
LRM2311	Internal Fixture-Mounted Universal 360° Sensor, 120/277 VAC
LRM2316	Internal Fixture-Mounted Universal 360° Sensor, 347 VAC

ACTILUME CLASSIC OCCUPANCY SENSOR

General Operation

The LRM2311/2316 sensor is designed to sense walking motion from 15 to 40 ft. (4.57m to 12.19m) mounting heights. The sensor detects changes in the infrared energy given off by occupants as they move within the field-of-view. When occupancy is detected, a self-contained relay switches the connected lighting load on. The sensor is line powered, switches line voltage, and requires no field calibration or sensitivity adjustments. The LampMinder feature allows users to aggressively target energy savings while still protecting lamp life. A minimum ON timer, factory set at 15 minutes, helps preserve lamp life by eliminating all lamp cycles shorter than lamp manufacturers' recommendations. A standard occupancy time delay is also present that ensures lights turn off (assuming minimum on timer has elapsed) if no occupancy is detected. This timer is factory set at 10 minutes to promote energy savings, but is adjustable between 30 seconds and 30 minutes. These adjustments can be done manually, through the unit's push-button; no tools required.

Features

- Self-contained relay: no power pack needed.
- No minimum load requirements.
- Easy wiring: interchangeable hot and load wires, impossible to wire backwards.
- Push-button programmable: adjustable time delays from 30 sec to 30 min.
- No field calibration or sensitivity adjustments required.
- Convenient test mode
- Burn-In Timer: 100 hour lamp burn-in timer
- LampMinder preserves lamp life while maximizing energy savings.
- Compatible with Philips Advance Optanium Programmed Start and Centium electronic ballasts.

Mechanical

- Housing is constructed of a white, rugged, high impact, injection molded plastic.
- Mounting snaps into 2 3/16" H x 1 5/16" W x 1" D cavity in fixture
- 2.25" H x 1.38" W x 0.82" D, weight - 4 oz
- Indicator: Green LED lamp - Infrared motion

Wiring

- LRM2311: Line-black*, load-black*, neutral-white. (*black wires can be reversed)
- LRM2316: Line-red**, load-red**, neutral-white (**red wires can be reversed)
- Load Rating (1 Phase only): 800W @ 120VAC; 1200W @ 277VAC; 1500W @ 347VAC; Motor Load: 1/4 HP

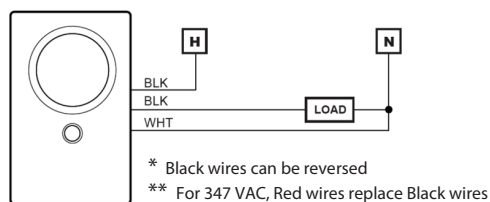
Technical Data

- Operating Environment: Silicone free, ROHS compliant 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 (Timers are 1.2x for 50Hz)

Compliance

- cULus Listed.
- CEC Title 24 compliant

Wiring Diagram

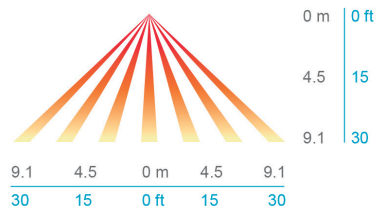


Initial Power Up

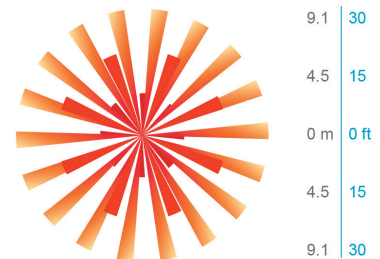
- The sensor's relay ships in a latched closed position allowing lights to switch on during initial power up. If lights do not immediately switch on (initial installation only), the latching relay opened during shipment and will close within 30 seconds.

Note: If the sensor loses power, the internal relay will latch closed.

Field of View



TOP VIEW



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