H-MOSS® Occupancy Sensors

WL-Series Wireless Controls - Ceiling Mount Sensor

HUBBELL® Wiring Systems

H-MOSS® Hubbell Motion Sensing Switches

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Hubbell's ceiling-mounted occupancy/vacancy sensor automatically controls lights through RF communication with compatible switching devices. This sensor utilizes an advanced passive infrared sensor that detects the movement of heat from people within an area to determine when the space is occupied. The sensor then wirelessly transmits the appropriate commands to the associated control devices to turn the lights on or off automatically. It combines both convenience and exceptional energy savings potential along with ease of installation.

WLP450C

Key Features

- Three operation modes available: Auto-On, Auto-On Low-Light and Manual-On for use with WLS1278
- Auto-On Low-Light feature will only turn lights on automatically if there is less than approximately 10 Lux (1 fc) of ambient light
- Simplified 2 button, 6-second press and hold, commissioning procedure.
- Passive infrared motion detection advanced digital signal processing for fine motion detection
- Adjustments available for Timeout, Auto-On, and Activity settings
- Multiple sensors can be added for extended coverage—refer to product specification submittal of receiving device to determine system limits
- Lens illuminates during test mode to verify coverage
- Multiple ceiling-mount methods available
- Front accessible test buttons
- 10-year battery life design

Communication Frequency

- 431.0 – 437.0 MHz
- Lutron® Clear Connect™ RF technology enabled

Receiving Devices
WL-Series Wireless Controls

WLS1278 Series Wireless Switches

WLC316R Wireless Control Unit

HSI=GREEN™

Clear Connect™ Enabled

*Clear Connect™ is a registered trademark of Lutron Electronics Co., Inc.

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H-MOSS® Occupancy Sensors

WL-Series Wireless Controls - Ceiling Mount Sensor

HUBBELL® Wiring Systems

Wireless Ceiling Mount Sensor

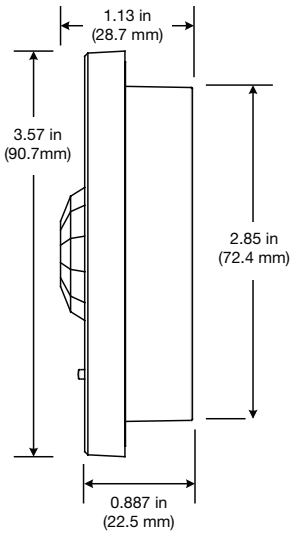
Description	CAtalog Number
Ceiling mount 360° - 324-676 ft^2, White	**WLP450C**

Compatible Controls: WSL1278xx switch, WLC316R control unit, or any Lutron Clear Connect Enabled Control Device

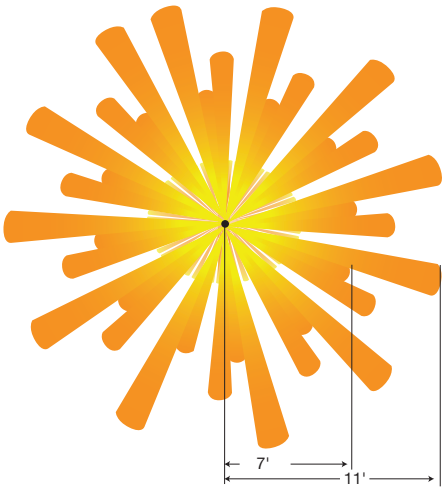
Specifications

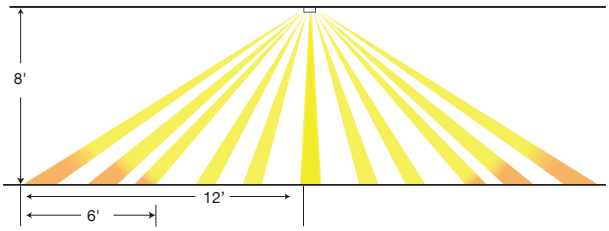
Electrical	Operating voltage: 3 V⎓ Operating current: 14 µA nominal 10-year battery life design Supplied with one CR 123 lithium battery Non-volatile memory (saved changes are stored during battery change)
Construction	High impact, UL 94-5V plastic
Operating Environment	Indoor use only Operating temperature: 32 ˚F to 104 ˚F (0 ˚C to 40 ˚C)
Range	RF range is 30 ft (10 m) obstructed , 60 ft (18 m) line of sight
Sensor Coverage Test	Dedicated test button Lens illuminates orange in response to motion during test mode
Wireless Communication Test	Dedicated test button; turn associated loads on and off
Time Out Options	1 minute (Intended for use in high-activity, briefly occupied areas only); 5 minutes; 15 minutes (default setting); 30 minutes
Auto-On Options	Enabled – Sensor turns lights ON and OFF automatically – default setting Low Light – Sensor turns lights ON automatically only in low ambient light conditions. Sensor turns lights OFF automatically Disabled – Lights must be turned ON manually from dimming or switching device. Sensor turns lights OFF automatically
Sensitivity Options	Low Activity (default setting); Medium Activity; High Activity
Certifications	cULus Listed, FCC certified, IC certified, Meets CA (U.S.A.) Energy Commission Title 24 requirements
Warranty	1 year

Dimensions In (mm)



Coverage Patterns





Sensor Coverage Chart (for sensor mounted in center of room)

Ceiling height	Maximum room dimensions for complete floor coverage*	
8 ft (2.4 m)	18 ft x 18 ft (5.5 m × 5.5 m)	324 ft^2 (30.2 m^2)
9 ft (2.7 m)	20 ft x 20 ft (6.1 m × 6.1 m)	400 ft^2 (37.2 m^2)
10 ft (3.0 m)	22 ft x 22 ft (6.7 m × 6.7 m)	484 ft^2 (44.9 m^2)
12 ft (3.7 m)	26 ft x 26 ft (7.9 m × 7.9 m	676 ft^2 (62.4 m^2)

* 12 ft (3.7 m) is the recommended maximum mounting height

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