



OccuSwitch Wireless

Wireless sensor

LRM1771 (Corner sensor)

LRM1776 (Wall sensor)

LRM1766 (Corridor sensor)

Philips OccuSwitch Wireless control system easily and effortlessly creates an energy-efficient work environment

Corner, wall, and corridor mounted occupancy sensors work with other OccuSwitch Wireless components to create an automatic lighting control system. A smart, wireless network mesh replaces dedicated controls wiring and physical control panels. ZigBee standards-based sensors, wall switches, and load controllers communicate with each other wirelessly, reducing the cost and complexity of retrofitting lighting controls.

Features

- Passive Infrared (PIR) sensing technology coupled with high-tech logic delivers advanced occupancy and daylight detection.
- Self adaptive time delay—manual knob sets minimum time delay only, if longer time delay is needed, the sensor self adapts to improve performance.
- Robust wireless communication with ZigBee Pro 2.4 protocol at 2.4GHz.
- Simple to retrofit into any existing office or commercial space.
- Intuitive setup requires 2 minutes and no costly commissioning.
- Easy to install retrofit sensor easily links to wall mount switch or dimmer.
- Meets energy codes device requirements: ANSI/ASHRAE/IESNA Standard 90.1-2010 & 189.1-2009, 2009 & 2012 IECC (International Energy Conservation Code), CEC Title 24-2010.
- Sleek low-profile design easily blends into any office or other professional setting.

Applications

- Classrooms, conference rooms, offices, restrooms, multi-media rooms, lounges, break rooms, lab spaces, storage areas, etc.

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

PHILIPS

OccuSwitch Wireless

Wireless Occupancy Sensor (LRM1771)

Technical Data

Technical Data: Passive Infrared (PIR)

Intelligent delay timer: The switch-off delay minimum can be manually set between 1 and 30 minutes. Initial setting automatically adjusts to the occupancy pattern, but never less than the manual setting.

Wireless network protocol: ZigBee Pro 2.4GHz Universal license free band.

Wireless range: Wall device to sensor - 50' (17m)

Network size: Connect up to 16 switches, sensors, and dimmers

Battery: Standard AA size 3.6V DC Lithium-thionyl chloride (included). 10 year plus lifetime rating under normal operation.

Operating conditions: For indoor use only. Temperature 41°F to 104°F

Regulatory compliance: UL, CSA, FCC, RoHS, California Title 24

Color: Ceiling off-white

Weight:

Sensor w/mounting plate: 3.3 oz (.09 kg)

Sensor w/battery: 2.8 oz (.08 kg)

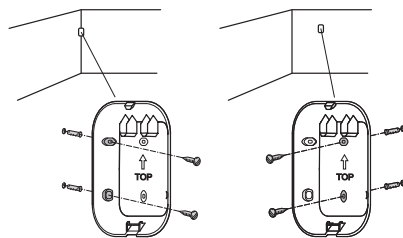
Sensor only: 2.3 oz (.06 kg)

Physical dimensions:

Sensor w/mounting plate: H 3.32" x W 2.67" x D 2.02"
(84 x 67 x 51 mm)

Light range: 18.58 to 92.90 fc at work plane

Mounting



Use the supplied hardware. Mount the plate with the arrow pointing in the correct direction. Use the "knockouts" to mount in a corner or at an angle. Insert the sensor into the attached mounting plate by clicking it into place.

Detection Area

Wall-mounted height range: 6.9ft to 8ft (2.1m to 2.5m)

For typical height of 7.5ft (2.3m):

LRM1771: Minor motion: 35' x 35' (10.7m x 10.7m)

Major motion: 50' x 50' (15.3m x 15.3m)

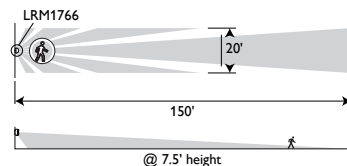
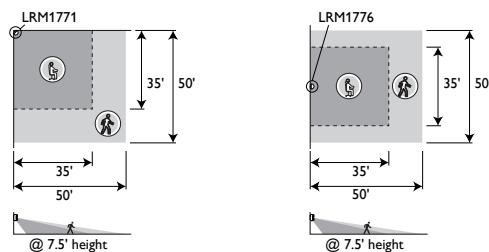
LRM1776: Minor motion: 35' x 35' (10.7m x 10.7m)

Major motion: 50' x 50' (15.3m x 15.3m)

LRM1766: Major motion: 150' L x 20' W (45.8m x 6.1m)

Larger areas require multiple sensors. Link up to 16 devices for one space.

Detection Area Diagrams



Ordering Information

Part number	Ordering information
LRM1771	OccuSwitch Wireless Corner Mounted Occupancy Sensor
LRM1776	OccuSwitch Wireless Wall Mounted Occupancy Sensor
LRM1766	OccuSwitch Wireless Corridor Mounted Occupancy Sensor



Philips Lighting North America
200 Franklin Square Dr
Somerset, NJ, United States
Tel: 1-800-526-2731
Email: controls.support@philips.com
Web: www.philips.com/lightingcontrolsna

Philips Lighting Canada
281 Hillmount Road
Markham, Ontario L6C 2S3
Canada

Specifications subject to change without notice. © WMGD Pty Ltd Trading as Dynalite. Unit 6, 691 Gardeners Road Mascot 2020 Australia. ABN 33 097 246 921. All rights reserved. Dynalite, DyNet and associated logos are the registered trademarks of WMGD Pty Ltd. Not to be reproduced without permission.