Lutron® sensor solutions

Reliable, affordable sensors for any space: residential or commercial, retrofit or new construction.

Bathroom

Training Room

Kid's Room

Private Office

Lutron patented, reliable sensing technology

Superior sensitivity recognizes the difference between fine human motion and background noise.

XCT™ technology with auto-correlation — won't leave you in the dark
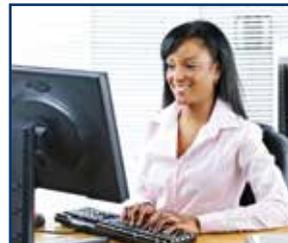
☑ **Major Motion**

☑ **Minor Motion**

Person walking 3 feet

Movements like extending your arm

☑ **Fine Motion**

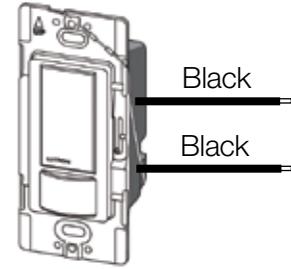☑ **Very Fine Motion**

Small movements like flipping pages of a book

Minimal movements like typing on a keyboard (for dual-technology)

Easy installation
Save time and reduce callbacks

Maestro In-wall sensors mistake-proof wiring— no polarity for line or loadside wiring

Black

Black

Any voltage

120V & 120V - 277V

Any phase

Phase A, B, or C

Radio Powr Savr wireless sensors
Simple button-press set-up no commissioning

1. Press and hold **6 seconds**

2. Press and hold **6 seconds**
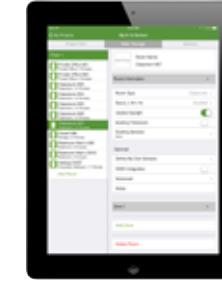
It works!
Sensor now talks to the switch

Tools at your fingertips:

Commercial Solutions app

Brochures, videos, spec sheets, design guides, and more.

Download from the App Store℠.

Energi Advisor app

All-in-one tool for doing a lighting energy audit recommends a retrofit solution and BOM.

Download from the App Store.

Codes and Controls www.lutron.com/ EnergyCodes

Search lighting energy codes by states and find recommended solutions to meet codes.

App Store is a service mark of Apple Inc.

www.lutron.com

World Headquarters 1.610.282.3800
Technical Support 1.800.523.9466 (Available 24/7)
Customer Service 1.888.LUTRON1 (1.888.588.7661)

LUTRON

save energy with Lutron™

Maestro® occupancy sensing switch

Lutron® Sensors

Reliable solutions for any space.

LUTRON

save energy with Lutron™

Maestro® in-wall sensors

- **Durable design with clean aesthetic**
  - Tamper-resistant lens
  - Extended relay lifetime
  - Available in 27 colors
- **Models for any application and all lighting loads**
  - Commercial grade dimmer for 0-10V ballasts and drivers
  - Single- and dual-circuit switches
  - C•L dimmer for dimmable LEDs and CFLs
  - Passive infrared (PIR) and dual-technology sensing

Radio Powr Savr wireless sensors

- No wires required
- Easy to mount and adjust location
- 10-year battery life
- Button press set up

Works with load controllers using reliable Clear Connect® Technology:

- Wallbox
  - Switches
  - Dimmers
- J-box mount
  - Switches
  - 0-10V and EcoSystem® dimmers
  - Receptacle controls
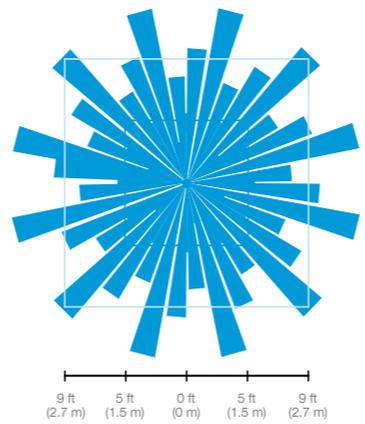- Stairwell fixtures
  - LED
  - Fluorescent

Lutron® Sensor Coverage

In-wall, 180°

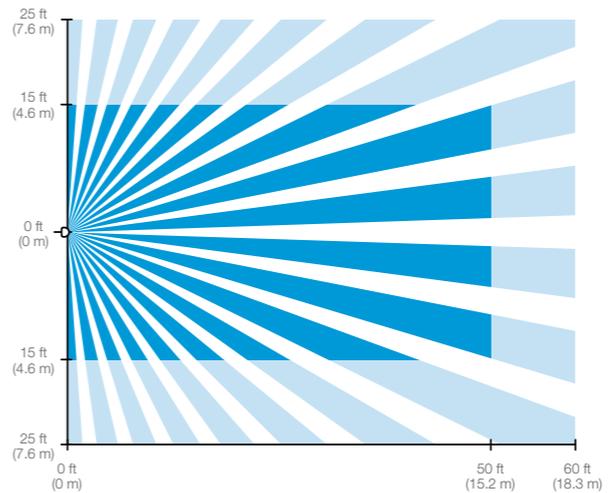**400 ft² — minor motion**
900 ft² — major motion

35 ft (10.7 m)

0 ft (0 m)

25 ft (7.7 m)   15 ft (4.6 m)   0 ft (0 m)   15 ft (4.6 m)   25 ft (7.7 m)
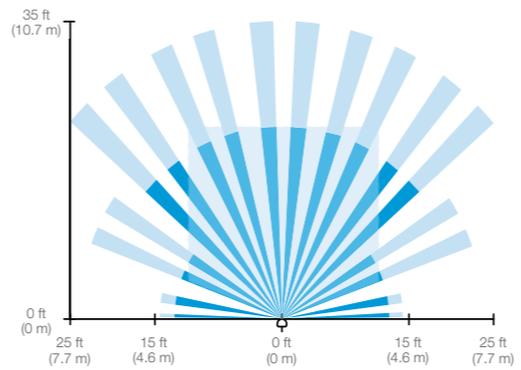
Wireless ceiling-mount, 360°
Coverage varies by ceiling height

9 ft (2.7 m)   5 ft (1.5 m)   0 ft (0 m)   5 ft (1.5 m)   9 ft (2.7 m)

Wall-mount, 180°

1,500 ft² — minor motion
3,000 ft² — major motion

25 ft (7.6 m)

15 ft (4.6 m)

0 ft (0 m)

15 ft (4.6 m)

25 ft (7.6 m)

0 ft (0 m)   50 ft (15.2 m)   60 ft (18.3 m)

Corner-mount, 90°

1,225 ft² — minor motion
2,500 ft² — major motion

50 ft (15.2 m)

35 ft (10.7 m)

0 ft (0 m)

0 ft (0 m)   35 ft (10.7 m)   50 ft (15.2 m)
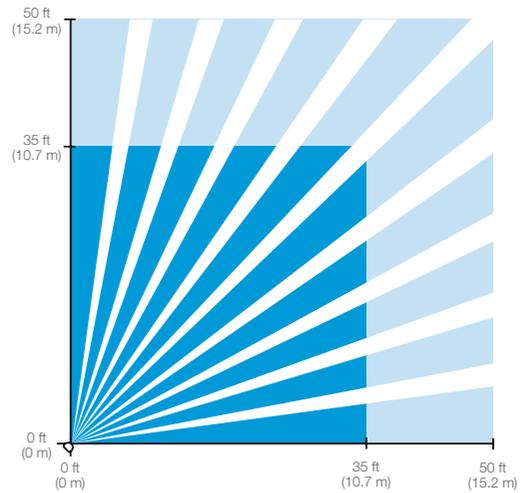
Hallway, long narrow field of view
Coverage varies by hallways width and length

10 ft (3.0 m)
5 ft (1.5 m)
0 ft (0 m)
5 ft (1.5 m)
10 ft (3.0 m)

0 ft (0 m)   150 ft (45.7 m)
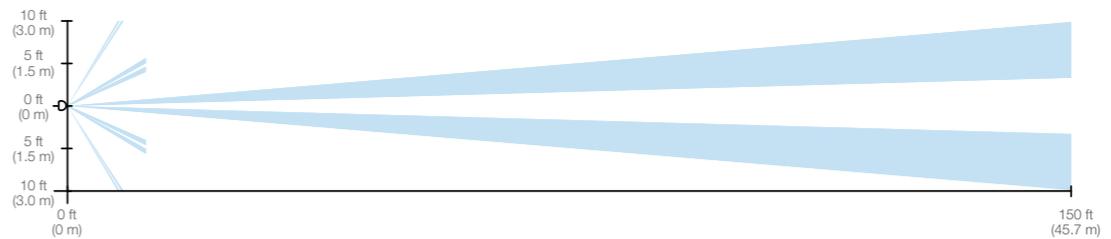
Key:
- minor motion (PIR)
- major motion (PIR)
- very fine motion (Ultrasonic)

In-wall occupancy/vacancy sensors
Maestro®

	2A PIR	5A PIR	6A PIR	6A Dual-circuit PIR	6A Dual-tech	6A Dual-circuit dual-tech	PIR Dimmer	
Model Number	MS-OPS2-XX*	MS-OPS5M-XX*	MS-OPS6M2-DV-XX* MS-OPS6M2N-DV-XX* neutral model	MS-OPS6-DDV-XX* Configurable model	MS-A102-XX* MS-B102-XX* neutral model	MS-A202-XX* MS-B202-XX* neutral model	MSCL-OP153M-XX* C•L® technology	MS-Z101-WH 0-10V dimming
Key Applications	Small space (storage room, closet) Kitchen	Bathroom Private office	Large space Office	Training room Conference room	Private office Bathroom	Conference room Training room	Kid's room Kitchen	Private Office Conference room
Technology	XCT™ PIR	XCT PIR	XCT PIR	XCT PIR	XCT dual-technology (PIR and ultrasonic)	XCT dual-technology (PIR and ultrasonic)	XCT PIR	XCT PIR
Coverage (sq ft)	900 (major motion) 400 (minor motion)	900 (major motion) 400 (minor motion)	900 (major motion) 400 (minor motion)	900 (major motion) 400 (minor motion)	900 (major motion) 400 (minor motion)	900 (major motion) 400 (minor motion)	900 (major motion) 400 (minor motion)	900 (major motion) 400 (minor motion)
Timeout	1, 5, 15, or 30 minutes	1, 5, 15, or 30 minutes	1, 5, 15, or 30 minutes	1, 5, 15, or 30 minutes per circuit	1, 5, 15, or 30 minutes	1, 5, 15, or 30 minutes per circuit	1, 5, 15, or 30 minutes	1, 5, 15, or 30 minutes
Voltage	120V	120V	120-277V	120-277V per circuit	120-277V	120-277V per circuit	120V	120-277V
Amperage/Wattage	2A lighting	5A lighting 3A (120V) fan	6A lighting 3A (120V) fan	6A lighting per circuit or 4.4A fan (120V) per circuit	6A lighting per circuit or 4.4A fan (120V) per circuit	6A lighting per circuit or 4.4A fan (120V) per circuit	150W CFL/LED 600W inc/halogen	8A Electronic ballasts and drivers
Single Pole, 3-way, Multi-location	Single pole	3-way/multi-location	3-way/multi-location	Single pole	3-way/multi-location (neutral model only)	3-way (neutral model only)	3-way/multi-location	Single pole
Ambient Light Detection	Smart	Smart	Smart	Smart	Smart or fixed	Smart or fixed	Smart	Smart or fixed
Tamper-resistant Lens				✓	✓	✓	✓	✓
Energy Code Met	Automatic shutoff	Automatic shutoff	Automatic shutoff	Automatic shutoff Multi-level lighting**	Automatic shutoff	Automatic shutoff Multi-level lighting**	Automatic shutoff Multi-level lighting	Automatic shutoff Multi-level lighting

Radio Powr Savr™ sensors are part of the Energi TriPak® family

	Radio Powr Savr wireless occupancy/vacancy sensors				Energi TriPak controls			
	Ceiling	**Wall**	**Corner**	**Hallway**	**8A Switch**	**Powpak® dimming module with 0-10V control**	**Powpak dimming module with EcoSystem®**	**PowPak relay module with Softswitch®**
Model Number	LRF2-OCR2B-P-WH Requires load controller	LRF2-OWLB-P-WH Requires load controller	LRF2-OKLB-P-WH Requires load controller	LRF2-OHLB-P-WH Requires load controller	MRF2-8ANS-120-XX, MRF2-8S-DV-XX (no neutral)	RMJ-5T-DV-B	RMJ-ECO32-DV-B	RMJ-16R-DV-B
Key Applications	Stairwell	Lobby Stairwell	Classroom	Hallway	Utility Closet Private Office	Private office, Conference oom	Classroom, Conference Room	Bathroom Storage Room
Sensing Technology	XCT PIR	XCT PIR	XCT PIR	XCT PIR	—	—	—	—
Voltage	—	—	—	—	120-277V	120/277V	120/277V	120/277V
Amperage/Wattage	—	—	—	—	8A lighting, 3A fan (1/10 HP motor, 120V only)	5A lighting	—	16A lighting
Load Types	—	—	—	—	All lighting loads, motor loads	0-10V controlled fixtures	32 EcoSystem addresses ballasts, or LED drivers, Ecosystem enabled fixtures	All lighting loads, motor loads
Coverage (sq ft)	500 based on 8ft ceiling	3000 (major motion) 1500 (minor motion)	2500 (major motion) 1225 (minor motion)	150ft hallway	—	—	—	—
Timeout	1, 5, 15, or 30 minutes	1, 5, 15, or 30 minutes	1, 5, 15, or 30 minutes	1, 5, 15, or 30 minutes	—	—	—	—
Battery Life	10 years	10 years	10 years	10 years	—	—	—	—
Low Light Detection	✓	✓	✓	✓	—	—	—	—
Energy Code Met	Automatic shutoff Multi-level lighting***	Automatic shutoff Multi-level lighting***	Automatic shutoff Multi-level lighting***	Automatic shutoff Multi-level lighting**	Automatic shutoff	Automatic shutoff Multi-level lighting**	Automatic shutoff Multi-level lighting**	Automatic shutoff

*   XX denotes color suffix

** Meets this requirement when bi-level control is allowed

*** Meets this requirement when paired with proper load control

Multi-location dimmers/switches work with up to nine companion dimmers/switches

3-way dimmers work with mechanical 3-way switches

Vacancy-only models available.

Additional controls available. Visit www.lutron.com/ETP