

**Lutron® energy-saving light controls for your home or office**



Maestro® occupancy sensing switch

## Lutron® Sensor Solutions

simple. affordable. energy-saving.

[www.lutron.com](http://www.lutron.com)



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save  
energy  
with  
Lutron™ 



save  
energy  
with  
Lutron™ 

# Lutron® sensor solutions

simple. affordable. energy-saving.

Turn lights off in unoccupied spaces . . .

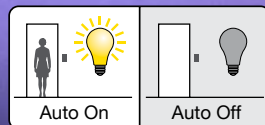


Save energy and money!

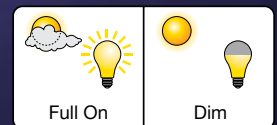


Lutron offers occupancy/vacancy and daylight sensors to save energy.

**Occupancy sensors:** Turn lights on automatically as an occupant enters the room and turns lights off when the room is unoccupied.



**Daylight sensors:** Take advantage of available daylight by lowering or turning off electric lights when sufficient daylight is available.



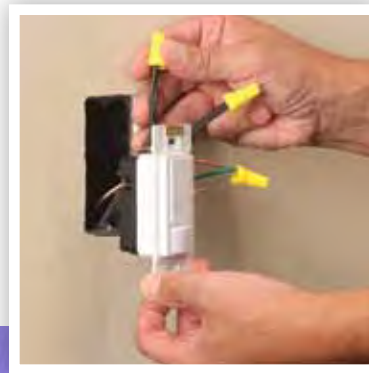
# In-wall occupancy/vacancy sensors

Maestro®



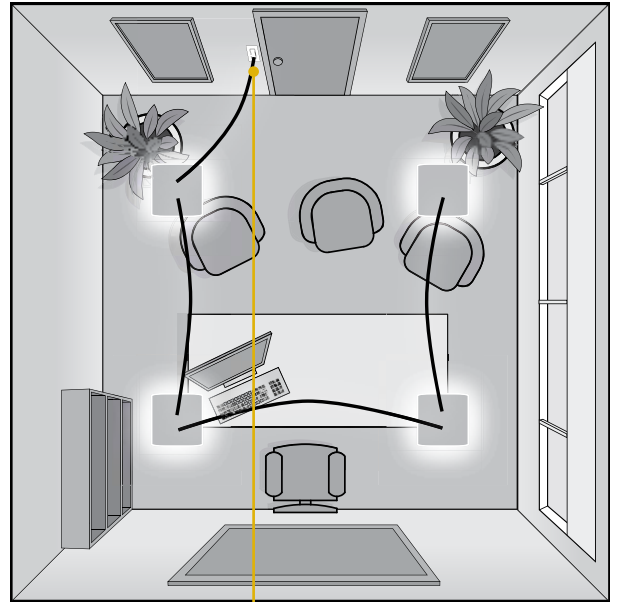
## Features:

- Four versions available
  - 2 Amp, single-pole 120 V switch
  - 5 Amp, 3-way/multi-location 120 V switch
  - dual-voltage commercial-grade 120 V/277 V switch
  - 600 W, single-pole/multi-location 120 V dimmer
- Reliable XCT detection technology ensures lights stay on in occupied rooms
- Switches work with all load types
- Easy installation—no neutral wire, shallow backbox

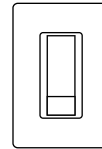


### Specifications:

- 180° sensor field-of-view
- Up to 900 ft<sup>2</sup> major motion and 400 ft<sup>2</sup> minor motion coverage
- 1, 3, 5, 15, or 30 minute timeout options
- 120 V switches and dimmer; 120 V/277 V switch available
- See coverage diagram on page 8



Private Office

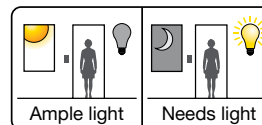


### Colors and finishes:

- In-wall sensors\* and Claro® wallplates available in gloss colors and Satin Colors®

2 Amp and 5 Amp sensors also include **learnable ambient light detection**.

- Turns lights on only when needed
- Learns user behavior for when lights should stay on or turn off



\* BL, GR, BR, and Satin Colors will be available 3/1 for 2 Amp and 5 Amp sensors

# Wireless occupancy/vacancy sensors

Radio Powr Savr™



## wall-mount sensors:

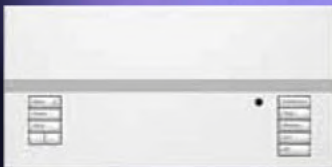
- 180° wall-mount sensor for spaces with ceiling obstructions or higher than 12-foot ceilings
- 90° corner-mount sensor
- Hallway sensor for spaces requiring longer coverage



## ceiling-mount sensor:

- 360° sensing for spaces with 8 to 12-foot ceilings

## Works with:



GRAFIK Eye® QS wireless



Maestro  
Wireless®



PowPak™

### Features:

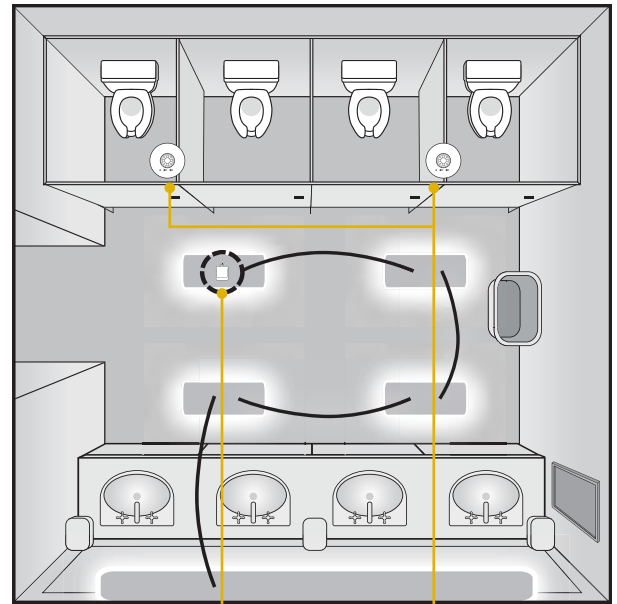
- No wiring required—eliminates power pack and wiring expenses
- Wall controls remain fully operable during automatic shut-off by sensor
- Operates in occupancy or vacancy mode
- Vacancy only available to meet California Title 24 Section 119 (j) requirements and NYC Energy Code Local Law 48
- Test mode assists in verifying the ideal sensor location

### Specifications:

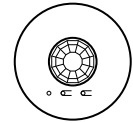
- Use up to three sensors per compatible control for maximum coverage; one sensor can control up to 10 compatible dimmers/switches for spaces with additional zones of light
- Timeout options include 1, 5, 15, and 30 minutes
- Battery included (10 year battery life)
- See coverage diagrams on page 8

### Colors and finishes:

- Ceiling-mount and wall-mount sensors available in white (WH)



**Bathroom**



Radio Powr Savr occ/vac sensors used with PowPak ceiling-mount modules are easy to retrofit, and save energy in spaces like bathrooms.

- **Easy installation** saves labor, time, and money
- Wireless products **upgrade existing spaces with little disruption** during installation

# Wireless daylight sensor

Radio Powr Savr™



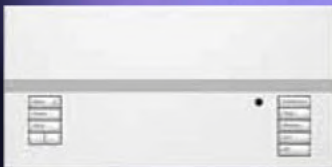
## Features:

- Decreases or turns off electric light when sufficient daylight is available
- Increases electric light when insufficient daylight is available
- No wiring required

## Maximize energy savings:

Combine occupancy/vacancy sensing with daylighting to maximize energy savings. Together, they can save 30% of lighting energy in a building. Use dimming where appropriate to save an additional 20%.

## Works with:



GRAFIK Eye® QS wireless



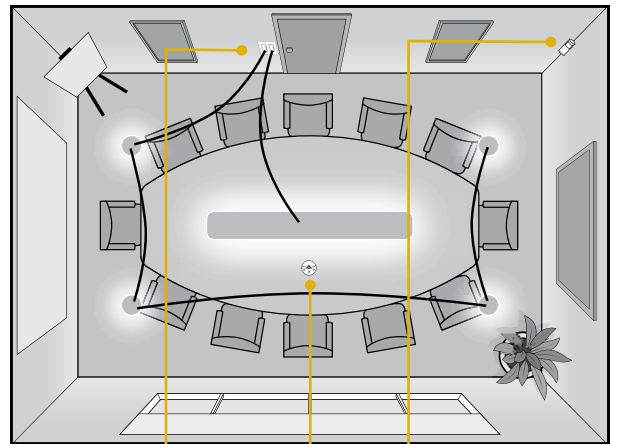
Maestro  
Wireless®



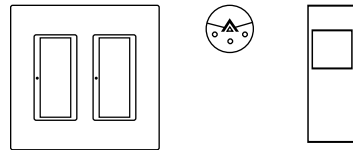
PowPak™

### Specifications:

- Use one daylight sensor per compatible control
- One sensor can control up to 10 compatible dimmers/switches for spaces with additional zones of light
- Battery included (10-year battery life)



Conference room



### Colors and finishes:

- Daylight sensors available in white (WH)

**Combine** the Radio Powr Savr **occupancy sensors and daylight sensor** to maximize energy savings in spaces like conference rooms.

- **Save more energy** by reducing the usage of electric lights when daylight is available
- Wireless products **reconfigure easily** based on space layout changes

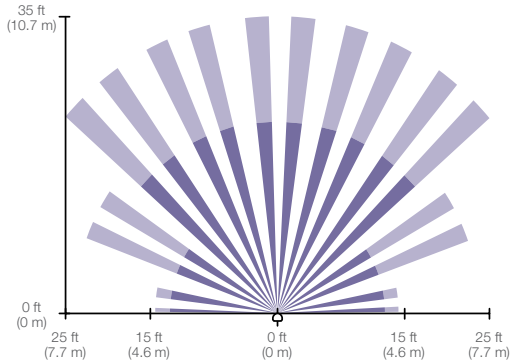


# Lutron® Sensor Coverage

In-wall, 180°

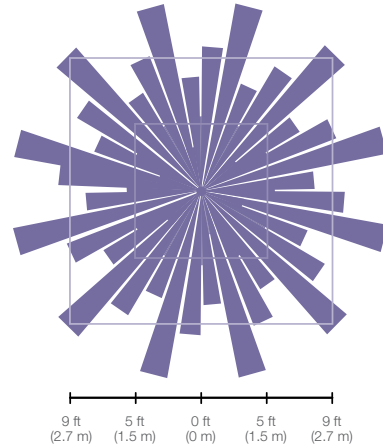
**400 ft<sup>2</sup> — minor motion**

**900 ft<sup>2</sup> — major motion**



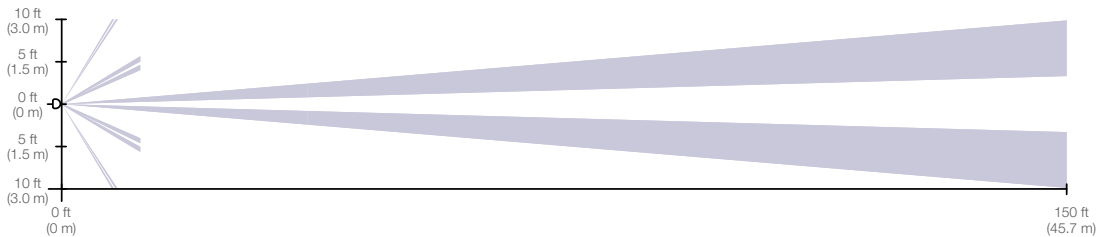
Ceiling-mount, 360°

**Coverage varies by ceiling height**





Hallway, long narrow field of view

**Coverage varies by hallways with and length**



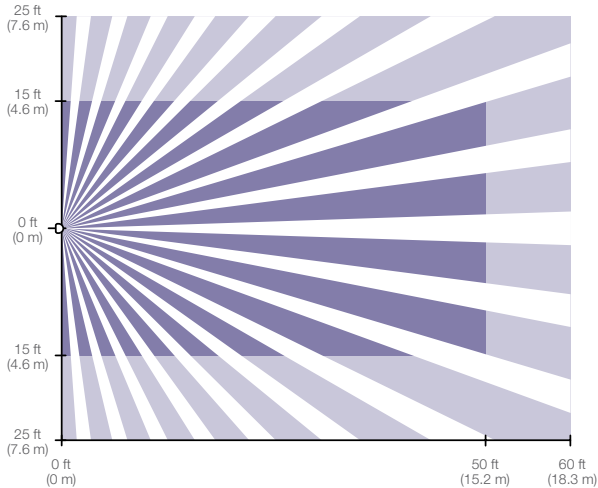
## Key:

 minor motion

 major motion

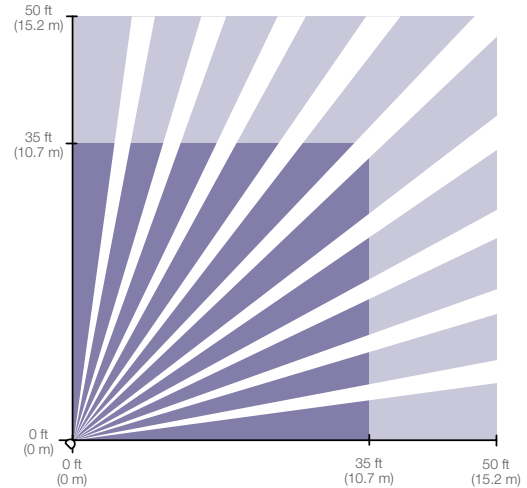
## Wall-mount, 180°

**1,500 ft<sup>2</sup>—minor motion**  
**3,000 ft<sup>2</sup>—major motion**



## Corner-mount, 90°

**1,223 ft<sup>2</sup>—minor motion**  
**2,500 ft<sup>2</sup>—major motion**



### **XCT™ Technology:**


- This **exclusive, reliable sensing technology** enhances sensors' ability to **detect fine motions**
- Lights stay on when a room is occupied and stay off when a room is unoccupied

### **Clear Connect™ RF Technology:**

- All Lutron wireless sensors operate on a quiet frequency band
- **Ensures flawless communication** free of interference, so lights work every time

## Model Numbers

### Maestro® occupancy sensors

Model number	Control type
MS-OPS2-XX <sup>1</sup>	single-pole switch with occupancy/vacancy sensor, 120 V, 2 A light, inc/halogen, MLV, ELV, CFL, LED, magnetic/electronic ballasts
MS-OPS5M-XX <sup>1</sup>	single-pole/3-way/multi-location switch with occupancy/vacancy sensor, 120 V, 5 A light, inc/halogen, MLV, ELV, CFL, LED, magnetic/electronic ballasts, 3 A fan
 MS-OPS6M-DV-XX <sup>1</sup>	single-pole/multi-location switch with occupancy/vacancy sensor, 120 V/277 V, 6 A light, inc/halogen, MLV, ELV, non-dim fluorescent ballasts, 3 Amp fan
MS-OP600M-XX <sup>1</sup>	single-pole/multi-location dimmer with occupancy/vacancy sensor, 120 V, 600 W incandescent/halogen

 Spec grade product

XX Color suffix

<sup>1</sup> Vacancy only models also available. Replace the "O" in the model number with a "V" to order.

### Colors and finishes:

- In-wall sensors\* available in gloss colors and Satin Colors®

### Radio Powr Savr™ sensors

Model number	Control type
LRF2-OCRB2-P-WH	360° ceiling-mounted occupancy/vacancy sensor, auto-on/auto-off or manual on/auto-off settings
LRF2-OWLB-P-WH	180° wall-mounted occupancy/vacancy sensor, auto-on/auto-off or manual on/auto-off settings
LRF2-OKLB-P-WH	90° corner-mounted occupancy/vacancy sensor, auto-on/auto-off or manual on/auto-off settings
LRF2-OHLB-P-WH	wall-mounted hallway occupancy/vacancy sensor, auto-on/auto-off or manual on/auto-off settings
LRF2-DCRB-WH	ceiling-mounted daylight sensor

### PowPak™ modules

Model number	Control type
RMJ-EC032-DV-B	dimming module with EcoSystem, 120 V/277 V
RMJ-16R-DV-B	switching module with SoftSwitch, 16 A general purpose switch, 120 V/277 V

### Colors and finishes:

- Ceiling-mount, wall-mount, corner-mount, and hallway occupancy/vacancy sensors available in white (WH)
- Daylight sensor available in white (WH)

\* BL, GR, BR, and Satin Colors will be available 3/1 for 2 Amp and 5 Amp sensors

## Maestro Wireless® load controllers

### Model number Control type

MRF2-600M-XX single-pole/multi-location dimmer  
120V, 600W inc/halogen

MRF2-10D-120-XX single-pole/multi-location dimmer  
120V, 1000W inc/halogen,  
magnetic low voltage

MRF2-6ND-120-XX single-pole/multi-location  
neutral wire dimmer  
120V, 600W inc/halogen,  
magnetic low voltage

MRF2-8S-DV-XX single-pole/multi-location  
non-neutral switch  
120V/277V, 8A light, inc/halogen,  
MLV, ELV, non-dim fluorescent  
ballasts, does not require a neutral  
wire connection

MRF2-3LD-XX plug-in lamp dimmer  
300W, inc/halogen  
for table or floor lamps

MRF2-3PD-3-XX plug-in module  
300W dimming/switching

## The colors of Lutron

### Gloss colors:

white (WH)  
ivory (IV)  
almond (AL)  
light almond (LA)

gray (GR)  
brown (BR)  
black (BL)

### Satin Colors®:

hot (HT)  
merlot (MR)  
plum (PL)  
turquoise (TQ)  
sea glass (SG)  
midnight (MN)  
sienna (SI)  
terracotta (TC)  
greenbriar (GB)  
bluestone (BG)  
taupe (TP)  
eggshell (ES)  
biscuit (BI)  
snow (SW)  
palladium (PD)  
mocha stone (MS)  
goldstone (GS)  
desert stone (DS)  
stone (ST)  
limestone (LS)



### Colors and finishes:

- Dimmers and switches available in gloss colors and Satin Colors®
- Plug-in lamp dimmer available in gloss white (WH), black (BL)
- Plug-in module available in gloss white (WH), black (BL), and brown (BR)