



## Sources

- 1 Compared with manual (non-automated) controls, up to 60% lighting energy savings is possible on projects that utilize all of the lighting control strategies (occupancy sensing, high-end trim, personal control and daylight harvesting). Actual energy savings may vary, depending on prior occupant usage, among other factors.
- 2 Energy Information Administration, 2003 Commercial Buildings Energy Consumption Survey, released September 2008.
- 3 Light Right Consortium. Research Study on the Effects of Lighting on Office Workers. <http://www.lighthouse.org.research/index.htm>.
- 4 Galasiu AD, et al. 2007. Energy saving lighting control systems for open-plan offices: A field study. Leukos. 4(1) pg 7-29.
- 5 VonNieda B, Maniccia D, & Tweed A. 2000. An analysis of the energy and cost savings potential of occupancy sensors for commercial lighting systems. Proceedings of the Illuminating Engineering Society. Paper #43.
- 6 Reinhart CF. 2002. Effects of interior design on the daylight availability in open plan offices. Study of the American Commission for an Energy Efficient Environment (ACE) Conference Proceedings. To achieve maximum lighting savings, automated shades are utilized.
- 7 Williams A, et al. 2012. Lighting Controls in Commercial Buildings. Leukos. 8(3) pg 161-180.
- 8 Ecos. 2011. Commercial office plug load savings assessment. California Energy Commission PIER Program.
- 9 Lutron study based on reduction in heating (base 60°F) and cooling (base 55°F) degree days with a 2°F thermostat setback and 60% space un-occupancy. EnergyPlus modeling simulations were conducted and predicted similar savings.
- 10 Phillips, R. W. (1997). Educational Facility Age and the Academic Achievement of Upper Elementary School Students. Unpublished Doctoral Dissertation. University of Georgia.

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P/N 367-2110 REV D



# Lutron energy-saving products



**PowPak® dimming  
module (actual size)**

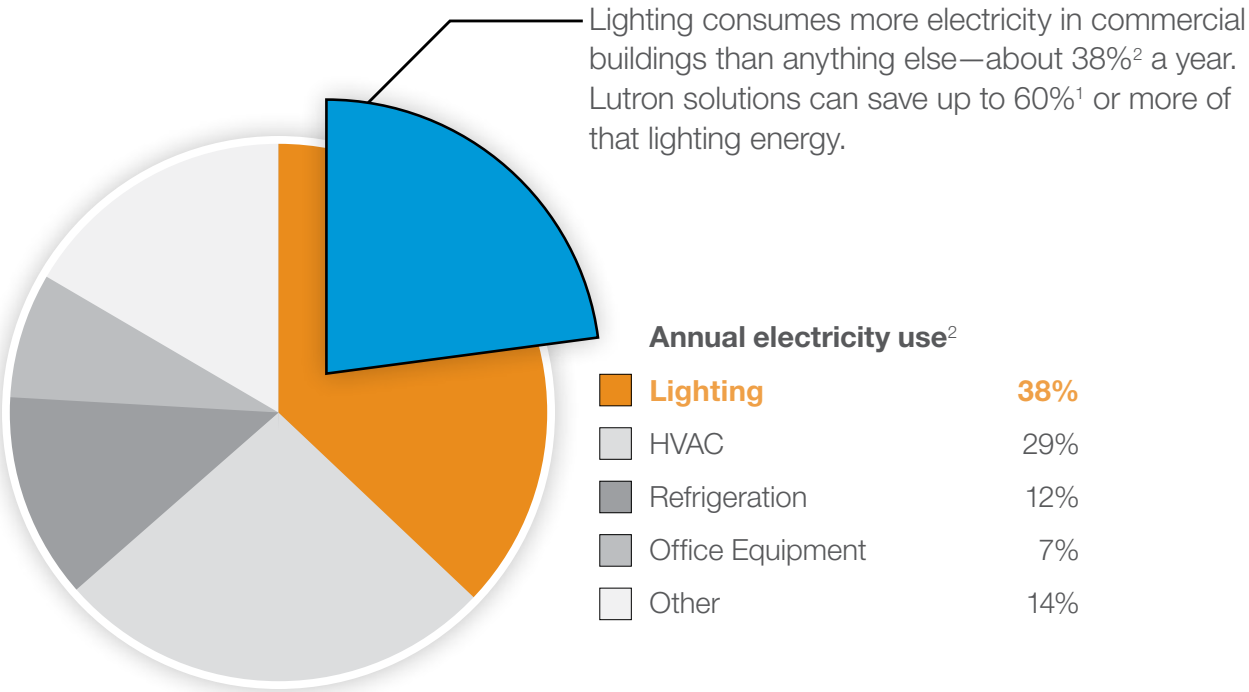
**Radio Powr Savr™  
occupancy/vacancy  
sensor (actual size)**

**Pico® wireless  
control (actual size)**

## Quick Install Energy Solutions Featuring Energi TriPak®

Energi TriPak is a family of wireless energy-saving products featuring Radio Powr Savr™ sensors, Pico® controls and PowPak®/Maestro Wireless® load controllers. These components, when combined:

- save up to 60%<sup>1</sup> of lighting electricity usage
- increase occupant comfort and productivity
- control virtually all loads
- reduce installation and programming costs



Lighting typically accounts for 38%<sup>2</sup> of electricity usage in new construction and retrofit commercial applications, which include spaces such as classrooms and offices. These applications benefit from Energi TriPak energy savings through strategies like automatic occupancy/vacancy sensing and daylight harvesting.

Studies show that proper lighting is beneficial to space occupants. By providing task-appropriate lighting and individual lighting control, Energi TriPak improves comfort and occupant satisfaction, resulting in increased productivity.<sup>3</sup>

Energi TriPak requires no additional wiring. The components communicate wirelessly via Lutron’s reliable Clear Connect® Radio Frequency (RF) technology. In addition, simple button press programming eliminates the need for factory commissioning.

Sources located on back cover.

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What is Energi TriPak?

Energi TriPak consists of transmitting devices that send out RF commands to the load controllers. The load controllers receive the RF command and perform the appropriate action based on the information received.

Transmitting devices

Sense

Radio Powr Savr™ wireless sensors



Occupancy/vacancy



Daylight

Adjust

Pico® wireless control



Wall-mount



Tabletop



Hand-held

Load controllers

Conserve

PowPak® load controllers



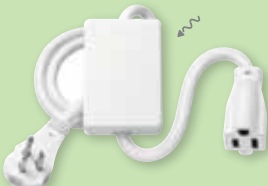
Dimming module with EcoSystem®

Relay module

Contact closure output module



Plug-in dimming module



Plug-in appliance module



Stairwell fixture with PowPak stairwell controller

Maestro Wireless®



Dimmer



Switch



Tabletop lamp dimmer

Benefits

Easy to install and program

- All points of control are wireless for simple installation with no new wiring
- Simple button programming for all devices

Saves energy and money

Simply incorporate the following energy-saving control strategies:

- Personal dimming control
- Occupancy/vacancy sensing
- Daylight harvesting
- High-end trim
- Plug load control
- HVAC integration

Cost-effective

- No commissioning required
- Overall labor costs reduced due to wireless communication—no additional wiring

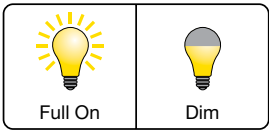
Meets codes and standards

Provides the opportunity to meet the following codes and standards:

- LEED NC 2009
- ASHRAE Energy Code 90.1-2010
- IECC (International Energy Conservation Code)
- ASHRAE Green Standard 189.1-2011
- IgCC (International Green Construction Code)
- CEC Title 24 (California Energy Commission)



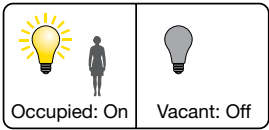
Energy-saving control strategies



**Personal dimming control**

Gives occupants the ability to set the light levels.

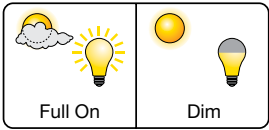
Potential lighting energy savings: 10-20%<sup>4</sup>



**Occupancy/vacancy sensing**

Turns lights on when occupants are in a space and dims lights to a low level or turns lights off when they vacate the space.

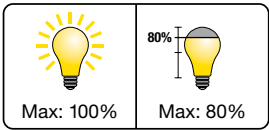
Potential lighting energy savings: 20-60%<sup>5</sup>



**Daylight harvesting**

Dims electric light when daylight is available to light the space.

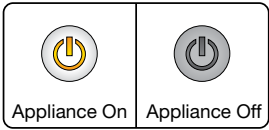
Potential lighting energy savings: 25-60%<sup>6</sup>



**High-end trim**

Sets the maximum light level based on customer requirements in each space.

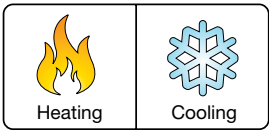
Potential lighting energy savings: 10-30%<sup>7</sup>



**Plug load control**

Automatically turns off loads after occupants leave a space.

Potential controlled loads savings: 15-50%<sup>8</sup>



**HVAC integration**

Controls heating, ventilation, and air conditioning systems through contact closure.

Potential HVAC savings: 5-15%<sup>9</sup>

Meets codes and standards

**LEED NC 2009**

Can contribute to:

- SS Credit 8 Light Pollution Reduction (1 point)
- EA Prerequisite 2 Minimum Energy Performance
- EA Credit 1 Optimize Energy Performance (up to 19 points)
- IEQ Controllability of Systems: Lighting (1 point)
- IEQ Daylight and Views: Daylight (1 point)
- Innovation in Design (up to 5 points)
- RP Credit 1 Regional Priority (up to 4 points)

**ASHRAE Energy Code 90.1-2010**

- Automatic Receptacle Control (8.4.2)
- Automatic Lighting Shut-off (9.4.1.1)
- Space Control (9.4.1.2)
- Automatic Daylight Controls (9.4.1.4 and 9.4.1.5)
- Additional Controls, Stairwell Lighting (9.4.1.6 g)

**IECC 2012 (International Energy Conservation Code)**

- Interior Lighting Controls (C405.2.1.1)
- Light Reduction Controls (C405.2.1.2)
- Occupancy Sensors (C405.2.2.2)
- Automatic Daylighting (C405.2.2.3.2)
- Multi-level Lighting Controls (C405.2.2.3.3)

**ASHRAE Green Standard 189.1-2011**

- Occupancy Sensor Controls with Multi-level Switching or Dimming (7.4.6.2)
- Occupancy Sensors (7.4.6.4)

**IgCC Public Version 2 (International Green Construction Code)**

- Interior Light Reduction Controls (609.3)
- Automatic Daylight Controls (609.5)
- Plug-load Controls (609.6)

**CEC Title 24 2008 (California Energy Commission)**

- Area Controls (131 a)
- Multi-level Lighting Controls (131 b)
- Daylight Areas (131 c)
- Shut-off Controls (131 d)

Sources located on back cover.

# Energi TriPak® application: Public restroom


In public spaces, such as bathrooms, lighting is often on even when the space is unoccupied. Automatic lighting control with occupancy sensing is an ideal energy-saving lighting solution.

## Energy-saving strategies


Occupancy sensing

Potential lighting energy savings:

50%<sup>5</sup>



**Lutron® Clear Connect®**  
Wireless Signal **Sent**



**Lutron® Clear Connect®**  
Wireless Signal **Received**



**Radio Powr Savr™ ceiling-mount occupancy/vacancy sensor**  
communicates with load controllers to turn lights on or off



**PowPak® relay module with Softswitch®**  
switches loads in response to wireless sensors and controls (mounted in ceiling)

# Energi TriPak® application: Private office


Providing personal lighting control in a private office application helps improve occupant comfort.


## Energy-saving strategies

- Occupancy/vacancy sensing
- Daylight harvesting
- Plug load control

Potential lighting energy savings:

45%

**Lutron® Clear Connect®**  
Wireless Signal **Sent**

**Lutron® Clear Connect®**  
Wireless Signal **Received**



**Radio Powr Savr™ daylight sensor**  
communicates with load controllers to turn lights on or off based on amount of daylight available



**Radio Powr Savr ceiling-mount occupancy/vacancy sensor**  
communicates with load controllers to turn lights on or off based on occupancy



**Maestro Wireless® switch**  
provides manual control and switches lighting loads in response to wireless sensors and controls



**PowPak® plug-in appliance module**  
turns phantom loads on or off in response to wireless sensors and controls (located under desk)



**Pico® wireless control**  
allows manual control of loads; place on desk top or mount to wall



**Maestro Wireless tabletop lamp dimmer**  
provides manual control and dims table lamps in response to wireless sensors and controls

# Energi TriPak® application: Classroom


A best-practice classroom combines energy efficiency with a high-quality learning environment. Classroom lighting plays a particularly critical role because of the direct relationship between good lighting and student performance.<sup>10</sup>


## Energy-saving strategies

- Personal dimming control
- Occupancy/vacancy sensing
- Daylight harvesting
- High-end trim
- HVAC integration

Potential lighting energy savings:

60%

**Lutron® Clear Connect®**  
Wireless Signal **Sent**

**Lutron® Clear Connect®**  
Wireless Signal **Received**



**PowPak® dimming module with EcoSystem®** dims lighting loads in response to wireless sensors and controls (mounted in ceiling)

**EcoSystem H-Series digital ballast** combines superior 1% dimming performance and Lutron reliability



**Radio Powr Savr™ daylight sensor** communicates with load controllers to dim lights based on amount of daylight available



**Pico® wireless controls** allows manual control of loads; place on desk top or mount to wall



**PowPak contact closure output module** integrates with HVAC system or other third-party equipment through contact closures, allowing the equipment to respond to wireless commands (mounted in ceiling)



**Radio Powr Savr corner-mount occupancy/vacancy sensor** communicates with load controllers to turn lights on or off based on occupancy

Define your space

Use the following steps to plan and design an ideal energy-saving solution based on the use of the space and the needs of its occupants.

Step 1 Is occupancy/vacancy sensing required?

Select the style of the Radio Powr Savr™ occupancy/vacancy sensor based on mounting and coverage requirements . . . . .pg. 14

Step 2 Is daylight harvesting required?

Select the Radio Powr Savr daylight sensor . . . . .pg. 15

Step 3 Is control of overhead lighting required?

- a. Select the control(s) required based on style and load capacity . . . pgs. 16-19
- b. Select the stairwell fixture with PowPak stairwell controller for stairwell applications . . . . .pg. 20

Step 4 Is control of task lighting required?

Select the style of plug-in device required . . . . .pg. 21



Step 5 Is control of plug loads required?

Select the style of plug load controller required . . . . .pg. 22

Step 6 Is third-party equipment integration required?

Select the PowPak contact closure output module . . . . .pg. 24

Step 7 Are personal or additional points of control required?

- a. Select the style of the Pico® wireless control required . . . . .pg. 25
- b. Select accessories for Pico wireless control . . . . .pg. 26



Lutron® Clear Connect®  
Wireless Signal **Sent**

Lutron® Clear Connect®  
Wireless Signal **Received**

Step 1 Occupancy/vacancy sensor selection

Radio Powr Savr™ wireless occupancy/vacancy sensors

**Design statement:** Specify a wireless occupancy/vacancy or vacancy-only sensor to turn lights on and/or off based on the space occupancy.



**Radio Powr Savr wireless ceiling-mount occupancy/vacancy sensor dimensions**  
W: 3.57" (91 mm)  
H: 3.57" (91 mm)  
D: 1.13" (29 mm)



**Radio Powr Savr wireless wall/hall/corner-mount occupancy/vacancy sensor dimensions**  
W: 1.8" (46 mm)  
H: 4.35" (110 mm)  
D: 1.35" (34 mm)

Features

- Available in ceiling-mount, wall-mount, corner-mount and hallway options
- Lutron XCT™ signal processing technology greatly enhances the performance of passive infrared (PIR) sensors, enabling them to detect minor motions that other sensors could not previously detect
- Utilizes Lutron reliable Clear Connect® RF technology to communicate wirelessly with wireless load controllers (wallbox controls, remote-mount modules, fixtures and/or plug-in devices)
- RF range: 60 ft (18 m) line of sight, or 30 ft (9 m) through walls
- Vacancy model available to meet CA Title 24 requirements
- 10-year battery life

Benefits

- Front-accessible buttons make set up easy
- Sensors have simple test modes to verify ideal locations during installation

Models

Sensors\*

- LRF2-OCR2B-P-WH**—ceiling-mount occupancy/vacancy sensor
- LRF2-OWLB-P-WH**—wall-mount occupancy/vacancy sensor
- LRF2-OKLB-P-WH**—corner-mount occupancy/vacancy sensor
- LRF2-OHLB-P-WH**—hallway occupancy/vacancy sensor

Accessories

- L-CMDPIRKIT**—ceiling-mount sensor lens masking kit
- L-CRMK-WH**—ceiling-mount sensor recess-mounting bracket
- WGOMNI-CPN3688**—wire guard for ceiling-mount sensor
- WGWS-CPN3688**—wire guard for wall-mount and hallway sensors
- STI-9618-CPN3688**—wire guard for corner-mount sensor

\* Vacancy-only models available



Step 2 Daylight sensor selection

Radio Powr Savr wireless daylight sensor

**Design statement:** Specify a wireless daylight sensor to dim or switch zones of light in response to available daylight.



**Radio Powr Savr wireless daylight sensor dimensions**  
W: 1.60" (41 mm)  
H: 1.60" (41 mm)  
D: 0.7" (17 mm)

Features

- Utilizes Lutron reliable Clear Connect RF technology to communicate wirelessly with wireless load controllers (wallbox controls, remote-mount modules, and/or plug-in devices); a load controller can communicate with only one daylight sensor
- RF range: 60 ft (18 m) line of sight, or 30 ft (9 m) through walls
- Features Lutron reliable proportional daylight open loop control
- Has a light range 0-107,000 Lux (0-10,000 fc) and a photopic response that matches the human eye
- Designed to give a linear response to changes in viewed light level
- 1 sensor is capable of switching and continuous dimming of multiple zones
- 10-year battery life

Benefits

- Simple calibration
- Multiple ceiling-mount methods available for different ceiling materials
- Front accessible test buttons make set up easy

Models

- LRF2-DCRB-WH**—daylight sensor



Step 3a Overhead light control selection

PowPak® relay module

**Design statement:** The PowPak relay module is designed for spaces where local control is not currently available, but is required.



**PowPak relay module dimensions**  
W: 2.89" (48 mm)  
H: 3.44" (87 mm)  
D: 1.25" (32 mm)

**Features**

- General purpose switch (all lighting loads; motor loads; receptacles)
- Receives input from up to 9 Pico® wireless controls, 6 Radio Powr Savr™ occupancy/vacancy sensors, and 1 Radio Powr Savr daylight sensor via Lutron reliable Clear Connect® RF technology
- Model available with a dry contact closure output for integration with third-party equipment; contact closure output provides occupancy status
- 16A model features patented Softswitch® technology that extends relay life to 1,000,000 cycles
- 120/277 V~ input

**Benefits**

- Save energy with the addition of occupancy sensing, daylight harvesting and personal control without the need for additional wires
- Button press programming to associate the module with the Radio Powr Savr sensors and Pico wireless controls

**Mounting**

- Mounts through a 1/2" NPT trade-size knock-out to a junction box or to a fixture. Can also be mounted inside of a standard 4" x 4" junction box

**Models**

- RMJ-5R-DV-B**—5A lighting loads (1/6 HP @ 120V~ or 1/3 HP @ 277V~ motor loads)
- RMJ-5RCC01-DV-B**—5A lighting loads (1/6 HP @ 120V~ or 1/3 HP @ 277V~ motor loads) with (1) contact closure output
- RMJ-16R-DV-B**—16A lighting loads (1/2 HP @ 120V~ or 1 1/2 HP @ 277V~ motor loads, 15A 120V receptacles)
- RMJ-16RCC01-DV-B**—16A lighting loads (1/2 HP @ 120V~ or 1 1/2 HP @ 277V~ motor loads, 15A 120V~ receptacles) with (1) contact closure output



PowPak dimming module with EcoSystem®

**Design statement:** Specify the PowPak dimming module with EcoSystem for the application that requires dimming of fluorescent and LED fixtures and simple reconfiguration of lighting zones.



**PowPak dimming module with EcoSystem dimensions**  
W: 2.89" (48 mm)  
H: 3.44" (87 mm)  
D: 1.25" (32 mm)

**Features**

- Controls up to 32 EcoSystem, EcoSystem H-Series or Hi-lume® 3D ballasts, or Hi-lume A-Series LED drivers\*
- Receives input from up to 9 Pico wireless controls, 6 Radio Powr Savr occupancy/vacancy sensors, and 1 Radio Powr Savr daylight sensor via Lutron reliable Clear Connect RF technology
- Lutron EcoSystem technology facilitates individual ballast addressing, connection of multiple control devices, and control of ballasts individually or in groups
- 120/277 V~ input

**Benefits**

- Enables simple reconfiguration of the space, without having to move a single wire
- Dimming saves money and energy—for every percentage reduction in lighting level, there is nearly equal reduction in the energy usage of the dimmed light source
- Additional savings can be achieved through occupancy sensing, daylight harvesting, high-end trim and personal dimming control without the need for additional wires
- Button-press programming means no commissioning required

**Mounting**

- Mounts through a 1/2" NPT trade-size knock-out to a junction box or to a fixture. Can also be mounted inside of a standard 4" x 4" junction box

**Models**

- RMJ-ECO32-DV-B**—controls up to 32 EcoSystem, EcoSystem H-Series or Hi-lume 3D ballasts, or Hi-lume A-Series LED drivers

\* For more information on EcoSystem, EcoSystem H-Series and Hi-lume 3D ballasts, and Hi-lume A-Series LED drivers, please visit [www.lutron.com](http://www.lutron.com).  
Dimming ballasts require rapid start sockets. For more information, see Lutron App Note #122.  
Lamp Socket Wiring Tester available to easily troubleshoot ballast wiring issues; see page 37 for ordering information and pricing.



Maestro Wireless® switch

**Design statement:** Specify a Maestro Wireless switch for applications in which a local switch already exists.



**Maestro Wireless switch dimensions**  
W: 2.94" (75 mm)  
H: 4.69" (119 mm)  
D: 1.44" (38 mm)

**Features**

- Digital on/off tap switch
- Utilizes Lutron reliable Clear Connect® RF technology to communicate wirelessly with up to 9 transmitting devices (Radio Powr Savr™ sensors and/or Pico® wireless controls)
- Models available to control up to 8A of lighting load
- Controls always operate locally, do not require system control
- Available in 27 finishes to complement any décor

**Benefits**

- Save energy with the addition of occupancy sensing and daylight harvesting without the need for additional wires
- Button press programming to associate the control with Radio Powr Savr sensors and Pico wireless controls

**Mounting**

- Requires a 1-gang U.S. wallbox. 3 1/2" (89 mm) deep recommended, 2 1/4" (57 mm) deep minimum

**Models**

**MRF2-8S-DV-XX**—8 A lighting, 3 A fan (1/10 HP motor, 120 V only), spec grade, 120–277 V~, no neutral  
**MRF2-6ANS-XX**—6 A lighting, 3 A fan (1/10 HP motor), 120 V~  
**MRF2-8ANS-120-XX**—8 A lighting, 5.8 A fan (1/4 HP motor), spec grade, 120 V~

(XX in the model number represents color/finish code; please visit [www.lutron.com](http://www.lutron.com) for color choices.)



Maestro Wireless dimmer

**Design statement:** Select a Maestro Wireless dimmer for applications in which a local switch already exists and dimming is required.



**Maestro Wireless dimmer dimensions**  
W: 2.94" (75 mm)  
H: 4.69" (119 mm)  
D: 1.44" (38 mm)

**Features**

- Digital dimmer with LEDs that indicate light level
- Incorporates advanced features such as fade on/fade off, long fade off, and rapid full on
- Utilizes Lutron reliable Clear Connect RF technology to communicate wirelessly with up to 9 transmitting devices (Radio Powr Savr sensors and/or Pico wireless controls)

**Benefits**

- Dimming saves money and energy—for every percentage reduction in lighting level, there is nearly equal reduction in the energy usage of the dimmed light source
- Ability to set high-end trim based on customer requirements
- Button-press programming to associate the control with Radio Powr Savr sensors and Pico wireless controls

**Mounting**

- Requires a 1-gang U.S. wallbox. 3 1/2" (89 mm) deep recommended, 2 1/4" (57 mm) deep minimum

**Models**

**MRF2-600M-XX**—600 W incandescent/halogen, 120 V~  
**MRF2-6MLV-XX**—600 W/600 VA incandescent/halogen/MLV, 120 V~  
**MRF2-6ND-120-XX**—600 W/600 VA incandescent/halogen/MLV, spec grade, neutral wire, 120 V~  
**MRF2-10D-120-XX**—1000 W/1000 VA incandescent/halogen/MLV, spec grade, 120 V~  
**MRF2-F6AN-DV-XX**— 6 A, 3-wire fluorescent, spec grade, 120–277 V~  
**MRF2-6ELV-120-XX**—600 W ELV, 120 V~

(XX in the model number represents color/finish code; please visit [www.lutron.com](http://www.lutron.com) for color choices.)



Step 3b Stairwell fixture selection

Stairwell fixture with PowPak® stairwell controller

**Design statement:** The stairwell fixture with PowPak stairwell controller saves energy by reducing light levels when the stairwell is occupied and lowering light levels when it is unoccupied.



Stairwell standard fixture dimensions

W: 51.13" (1299mm)\*  
H: 4.375" (111 mm)  
D: 3.875" (98mm)



NEW Stairwell LED fixture dimensions

W: 28.25" (718mm)  
H: 4.75" (121 mm)  
D: 4.00" (102mm)

Features

- Incorporates a Lutron digital dimming ballast or LED driver and wireless lighting control (PowPak stairwell controller) programmed to occupied and unoccupied light levels specific to the project
- Occupied and unoccupied light levels are field adjustable
- Utilizes Lutron reliable Clear Connect® RF technology to communicate wirelessly with up to 9 Radio Powr Savr™ occupancy/vacancy sensors
- Available in 2, 3, or 4ft\*\*, 1 or 2 lamp, and T8, T8 reduced wattage, T5HE, or T5HO fluorescent lamp options; and 2ft, 1500 (17W) or 2200 (29W) lumens LED options
- Universal input voltage 120/277V~
- Ceiling or wall surface mount

Benefits

- Sensor is not integral to the fixture, providing the flexibility to group multiple fixtures to a single occupancy/vacancy sensor and/or multiple occupancy/vacancy sensors to a single fixture
- Easy to install, wireless communication between devices means no additional wiring required

Models\*\*\*

**FXSWXX14CP232U51SMXXWH**—4ft, 2 lamp, T8 fluorescent, factory preset: 50% high-end, 10% low-end; 120/277V~  
**FXSWXX14CP232U82SMXXWH**—4ft, 2 lamp, T8 fluorescent, factory preset: 80% high-end, 20% low-end; 120/277V~  
**FXSWXX12SLLC1U51SMXXWH**—2ft, 17W, 1500 lumens, 4000K LED, factory preset: 80% high-end, 10% low-end; 120/277V~  
**FXSWXX12SLLC1U82SMXXWH**—2ft, 17W, 1500 lumens, 4000K LED, factory preset: 10% high-end, 20% low-end; 120/277V~

\* Width provided for 4ft fixture; consult the product specification submittal for width measurements for 2 and 3ft fixtures.  
\*\* 8ft fixture available upon request.  
\*\*\* Partial list only, for complete list of available fixtures, including information on the stairwell retrofit kit solution, visit [www.lutron.com/stairwellfixture](http://www.lutron.com/stairwellfixture).



Step 4 Task lighting control selection

Maestro Wireless® tabletop lamp dimmer and PowPak plug-in dimming module

**Design statement:** Both the tabletop lamp dimmer and the plug-in dimming module provide control of task lighting and the ability for remote control. Use the tabletop dimmer to provide personal lamp control. Select the plug-in module if you wish to conceal the controller.



Maestro Wireless tabletop lamp dimmer dimensions

W: 2.44" (62 mm)  
H: 3.25" (83 mm)  
D: 0.94" (24 mm)



PowPak plug-in dimming module dimensions

W: 2.3" (58mm)  
H: 3.3" (84mm)  
D: 1.2" (30mm)

Features

- Digital dimmer for use with incandescent/halogen table and floor lamps up to 300W
- Configure dimming module to switch non-dimmable lighting loads
- Light levels can be fine-tuned to the desired light level
- Incorporates advanced features such as fade on/fade off, long fade off, and rapid full on
- Utilizes Lutron reliable Clear Connect RF technology to communicate wirelessly with up to 9 transmitting devices (Radio Powr Savr sensors and/or Pico® wireless controls)
- Controls always operate locally, do not require system control
- Available in white or black
- Dimming module available in 1- or 3-receptacle models

Benefits

- Easy to install, requires no wires or tools
- Easily incorporate task lighting into lighting solution, while saving energy through dimming
- Button-press programming to associate the plug-in dimmer with the same Radio Powr Savr sensors and Pico wireless controls that control the overhead lighting

Models

**MRF2-3LD-XX**—300W tabletop lamp dimmer, incandescent/halogen, 120V~  
**MRF2-3PD-1-XX**—300W plug-in dimming module, 1-receptacle, incandescent/halogen, 120V~  
**MRF2-3PD-3-XX**—300W plug-in dimming module, 3-receptacle, incandescent/halogen, 120V~

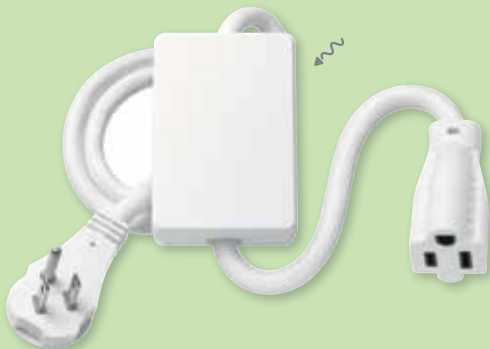
(XX in the model number represents color/finish code; please visit [www.lutron.com](http://www.lutron.com) for color choices.)



Step 5 Plug load control selection

PowPak® plug-in appliance module

**Design statement:** Specify a PowPak plug-in appliance module to directly control plug loads, such as computer monitors or printers.



**PowPak plug-in appliance module dimensions**  
W: 2.3" (58mm)  
H: 3.3" (84mm)  
D: 1.2" (30mm)

- Features**
- Utilizes Lutron reliable Clear Connect® RF technology to communicate wirelessly with up to 9 transmitting devices (Radio Powr Savr™ occupancy/vacancy sensors and/or Pico® wireless controls)
  - Control up to 15A of general purpose load (1/2 HP motor load); no minimum load required
  - Patented Softswitch® technology extends relay life to 1,000,000 cycles
  - Can be hidden discretely behind furniture
  - Controls always operate locally, do not require system control
  - Available in white or black, and 1- or 3-receptacle models

- Benefits**
- Save energy by switching off plug loads when space is unoccupied
  - Button-press programming to associate the plug-in appliance module with the same Radio Powr Savr occupancy/vacancy sensors and Pico wireless controls that control the overhead lighting

**Models**  
**MRF2-15APS-1-XX**—15A plug-in appliance module, 1-receptacle, 120V~  
**MRF2-15APS-3-XX**—15A plug-in appliance module, 3-receptacle, 120V~

(XX in the model number represents color/finish code; please visit [www.lutron.com](http://www.lutron.com) for color choices.)



PowPak relay module with Softswitch

**Design statement:** Specify a PowPak relay module with Softswitch to switch receptacles, controlling plug loads which consume energy when space is not in use.



**PowPak relay module with Softswitch dimensions**  
W: 2.89" (48mm)  
H: 3.44" (87mm)  
D: 1.25" (32mm)

- Features**
- 16A general purpose switch for control of 15A 120V~ receptacles
  - Receives input from up to 9 Pico wireless controls, 6 Radio Powr Savr occupancy/vacancy sensors, and 1 Radio Powr Savr daylight sensor via Lutron reliable Clear Connect RF technology
  - Model available with a dry contact closure output for integration with third-party equipment; contact closure output provides occupancy status
  - Patented Softswitch technology extends relay life to 1,000,000 cycles
  - 120/277 V~ input

- Benefits**
- Save energy by switching off power to plug loads when space is unoccupied
  - Button press programming to associate the module with the Radio Powr Savr sensors and Pico wireless controls

**Mounting**

- Mounts through a 1/2" NPT trade-size knock-out to a junction box or to a fixture. Can also be mounted inside of a standard 4" x 4" junction box

**Models**  
**RMJ-16R-DV-B**—16A general purpose switch (15A 120V~ receptacles)  
**RMJ-16RCC01-DV-B**—16A general purpose switch (15A 120V~ receptacles) with (1) contact closure output



Step 6 Third-party integration control selection

PowPak® contact closure output module

**Design statement:** A PowPak contact closure output module is designed for spaces where integration with third-party equipment through contact closures is desired.



**PowPak contact closure output module dimensions**  
W: 2.89" (48mm)  
H: 3.44" (87mm)  
D: 1.25" (32mm)

**Features**

- Single dry contact closure device
- Receives input from up to 9 Pico® wireless controls, 6 Radio Powr Savr™ occupancy/vacancy sensors, and 1 Radio Powr Savr daylight sensor via Lutron reliable Clear Connect® RF technology
- Voltage: 24 V AC/DC
- Maximum load of 1 A @ 24 VDC or 0.5A @ 24 VAC; no minimum load required
- Maintained output type

**Benefits**

- Button-press programming to associate the module with the Radio Powr Savr sensors and Pico wireless controls

**Mounting**

- Screw tabs provided for surface mounting. Can also be mounted to a 1/2" NPT trade-size knock-out on a junction box

**Models**

**RMJ-CCO1-24-B**—(1) contact closure output



Step 7a Wireless control selection

Pico® wireless controls

**Design statement:** Use a Pico wireless control anywhere in the space to control loads with a touch of a button.



3-button with Raise/Lower  
2-button with Raise/Lower



3-button 2-button

**Pico wireless control dimensions**

W: 1.28" (33mm)  
H: 2.60" (66mm)  
D: 0.33" (8mm)

**Features**

- Utilizes Lutron reliable Clear Connect RF technology to communicate wirelessly with wireless load controllers (wallbox controls, remote-mount modules, and/or plug-in devices)
- RF range: 30 ft (9m) through wall
- Available in multiple button configurations with options for preset and raise/lower buttons
- 10-year battery life

**Benefits**

- Easily add a new and/or additional point of control without the need for new wires
- Easy configuration for use as a handheld control, car visor control, wall-mount control, or tabletop control with use of the optional pedestal

**Models**

**PJ-3BRL-GXX-YYY**—3-button with Raise/Lower  
**PJ-2BRL-GXX-YYY**—2-button with Raise/Lower  
**PJ-3B-GXX-YYY**—3-button  
**PJ-2B-GXX-YYY**—2-button

(XX in the model number represents color/finish code and YYY represents labeling options. Please visit [www.lutron.com/Pico](http://www.lutron.com/Pico) for more information.)



Step 7b Wireless control accessories selection

Pico® wireless control accessories

**Design statement:** Use accessories to enhance the flexibility of the Pico wireless control.



Wall-mount with Claro faceplate with Pico faceplate adapter



Wall-mount with Pico single Euro faceplate with adapter



Single and double pedestals

Features

- Pico wireless controls are designed to fit in the opening of a Claro® or Euro Pico faceplate
- Claro faceplates are available in finishes to complement the Pico wireless control
- European-style faceplates with adapters afford an architectural-style appearance and are available in both matte and metal finishes
- Tabletop pedestals are offered to support up to 4 Pico wireless controls and are available in white and black

Benefits

- Pico faceplate adapter and Euro Pico faceplate with adapter allow for easy installation of the Pico wireless control in a faceplate
- Tabletop pedestals help ensure that the Pico wireless control is always within reach

Models

Wall-mount accessories

**PICO-FP-ADAPT**—Pico faceplate adapter for Claro faceplate

**CW-1-XX**—Claro 1-gang faceplate

**CW-2-XX**—Claro 2-gang faceplate

**CW-3-XX**—Claro 3-gang faceplate

**CW-4-XX**—Claro 4-gang faceplate

**PFP-1-B-FXX-CPN5692**—Single Euro Pico faceplate with adapter

**PFP-2-B-FXX-CPN5692**—Double Euro Pico faceplate with adapter

Tabletop accessories

**L-PED1-XX**—Single pedestal

**L-PED2-XX**—Double pedestal

**L-PED3-XX**—Triple pedestal

**L-PED4-XX**—Quadruple pedestal

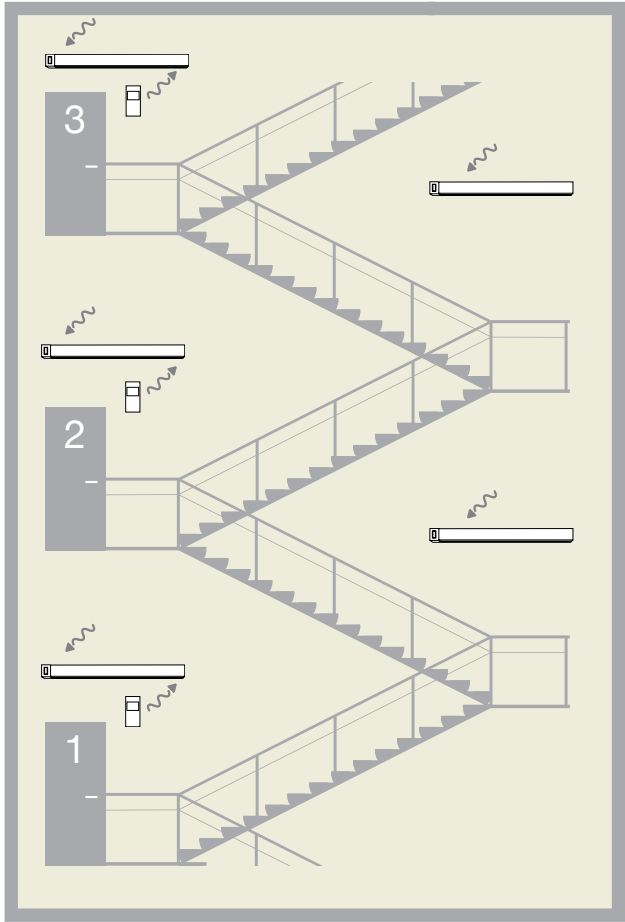
(XX in the model number represents color/finish code; please visit [www.lutron.com](http://www.lutron.com) for color choices.)



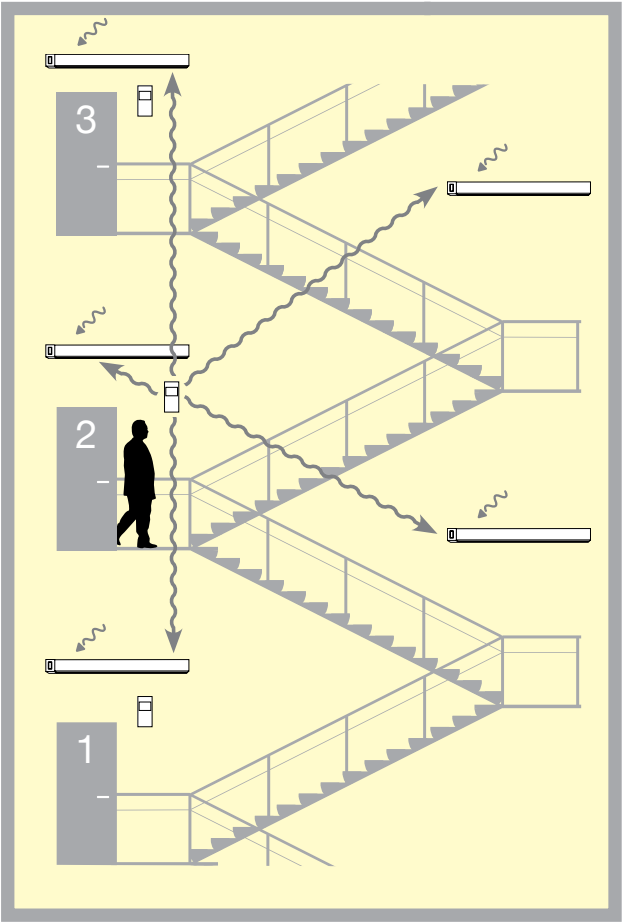
Stairwell Retrofit Solution

The stairwell fixture with PowPak® stairwell controller communicates wirelessly with Radio Powr Savr™ occupancy/vacancy sensors. Based on the stairwell occupancy information received from the sensors, the PowPak stairwell controller automatically adjusts the light output. The occupied and unoccupied light levels are field adjustable to meet the project's code requirements.

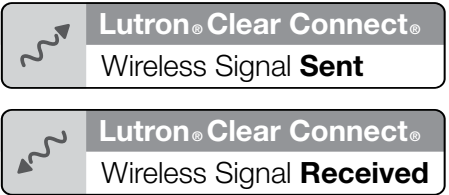
Unoccupied: 10% light level



Occupied: 50% light level

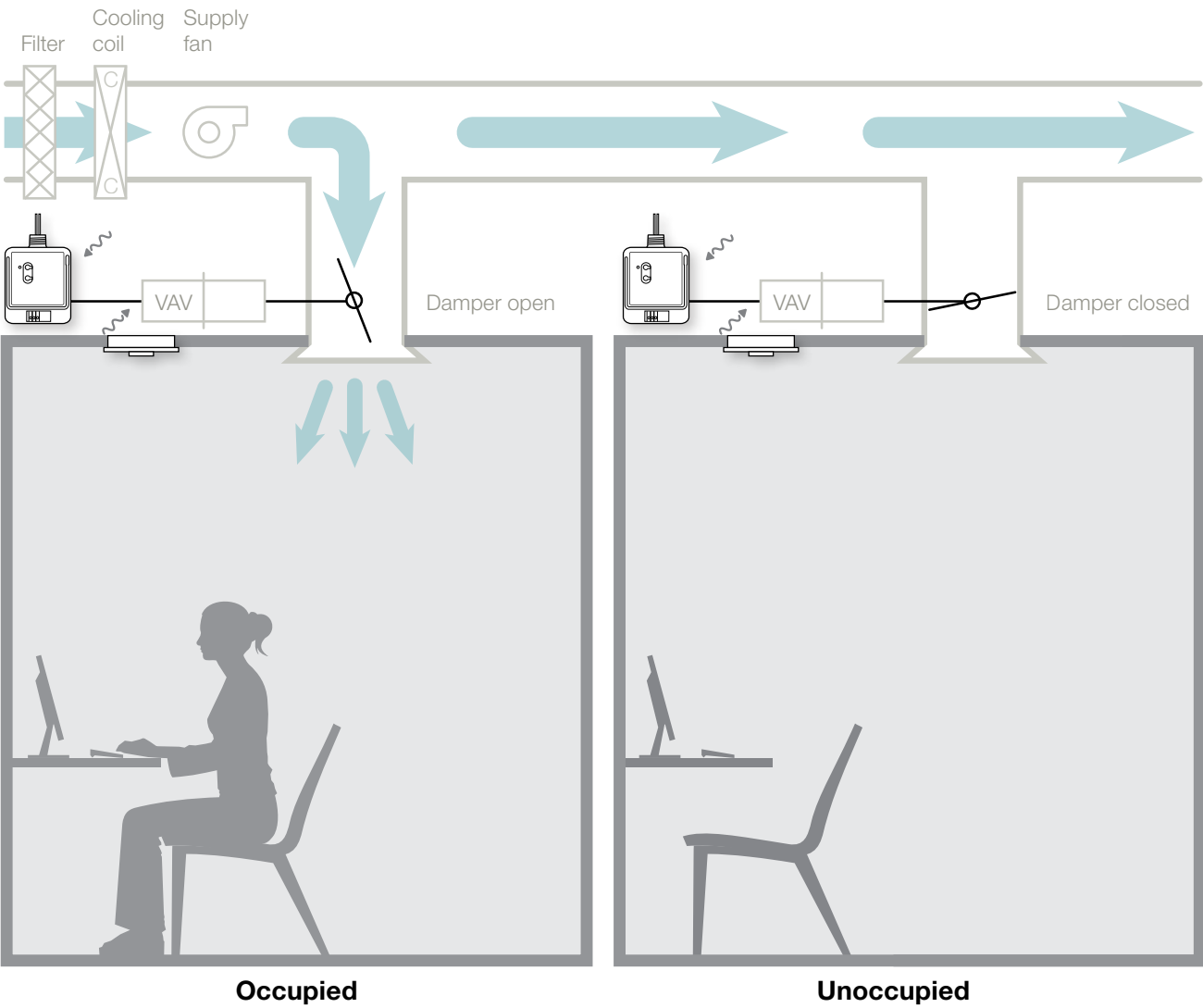


- Stairwell standard fixture with PowPak stairwell controller
- Radio Powr Savr occupancy/vacancy sensor (wall-mount)

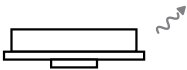


Variable Air Volume (VAV) integration

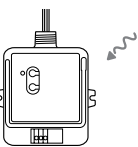
In response to information received from a Radio Powr Savr™ occupancy/vacancy sensor, the PowPak® contact closure output module communicates room occupancy to the VAV terminal unit. By not heating or cooling an unoccupied room, the electricity consumed by the HVAC system can be reduced.



Radio Powr Savr  
occupancy/vacancy  
sensor (ceiling-mount)



PowPak contact closure  
output module

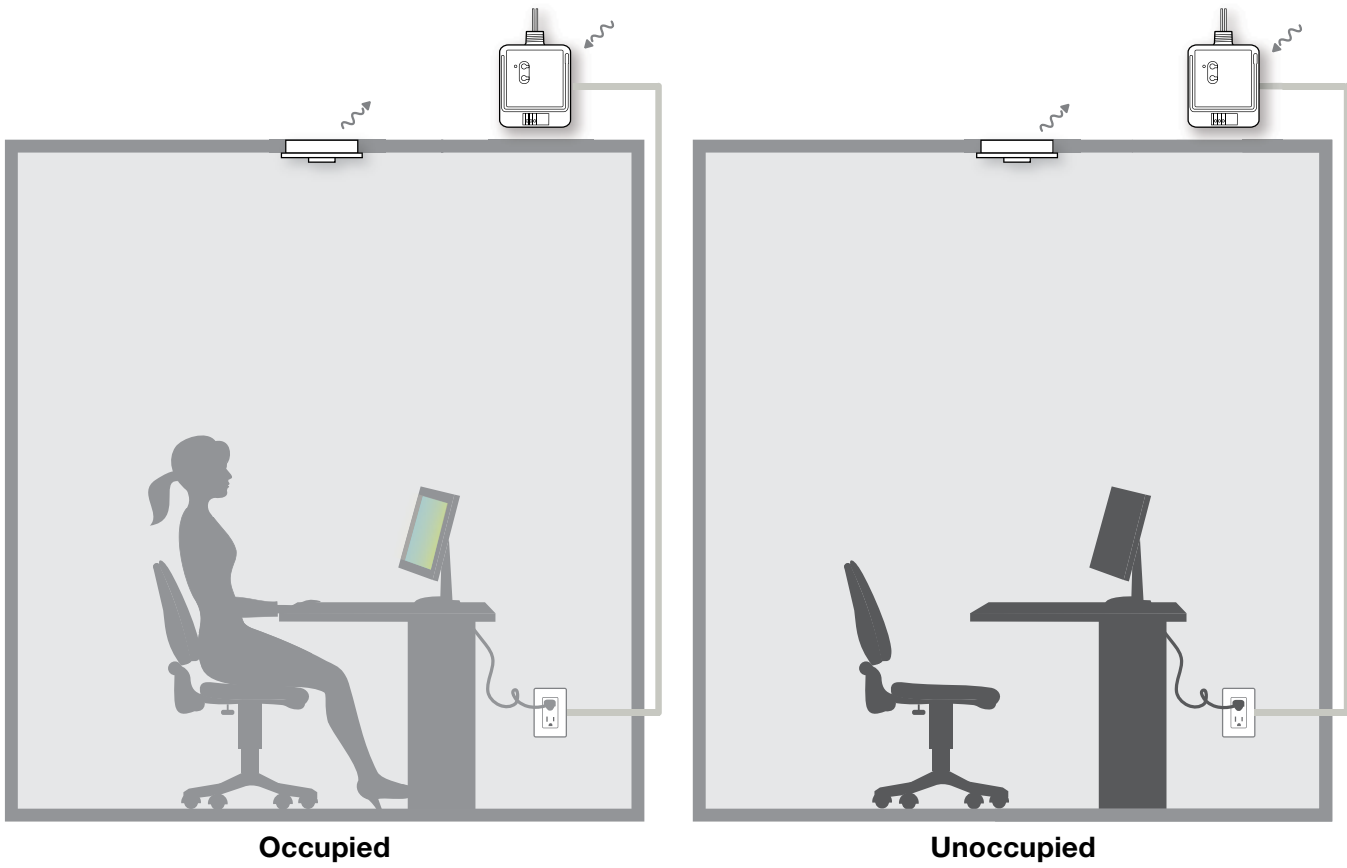


 **Lutron® Clear Connect®**  
Wireless Signal **Sent**

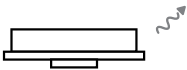
 **Lutron® Clear Connect®**  
Wireless Signal **Received**

Plug load control by switching receptacles

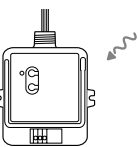
Plug loads, such as task lighting, computer monitors, and printers, account for greater than 5% of commercial electricity usage<sup>2</sup>. By utilizing the PowPak relay module with Softswitch® and a Radio Powr Savr occupancy/vacancy sensor to switch receptacles, energy savings can be obtained. The occupancy/vacancy sensor communicates room occupancy wirelessly to the relay module. Based on the occupancy status received, the relay module switches the power to the receptacles on or off, reducing the amount of energy consumed.



Radio Powr Savr  
occupancy/vacancy  
sensor (ceiling-mount)



PowPak relay module  
with Softswitch



 **Lutron® Clear Connect®**  
Wireless Signal **Sent**

 **Lutron® Clear Connect®**  
Wireless Signal **Received**

Sources located on back cover.

Maestro® occupancy sensing controls\*

**Design statement:** Maestro occupancy sensing switches and dimmers are alternate energy-saving solutions for smaller spaces with unobstructed views.



**Maestro occupancy sensing switch dimensions**

W: 2.83" (75m)  
H: 4.61" (119m)  
D: 1.125" (30mm)



**NEW Maestro occupancy sensing C-L dimmer dimensions**

W: 2.83" (75m)  
H: 4.61" (119m)  
D: 1.125" (30mm)

**Features**

- Lutron XCT™ signal processing technology greatly enhances the performance of PIR sensors, enabling them to detect minor motions that other sensors could not previously detect
- 180° sensor field-of-view, must have unobstructed view
- Up to 30 ft x 30 ft major motion coverage and 20 ft x 20 ft minor motion coverage
- Adjustable timeout - 1, 5, 15, or 30 minutes
- High-low sensitivity adjustment
- Vacancy model available to meet CA Title 24 requirements
- Switch models feature ambient light detection
- Available in 27 colors to complement any décor

**Benefits**

- Save energy automatically with the simple addition of occupancy/vacancy sensing
- Easy to install, directly replaces an existing control with no new wiring required

**Models\*\***

**Switch**

**MS-OPS2-XX**—2 A lighting, occupancy/vacancy, 120V~

**MS-OPS5M-XX**—5 A lighting, 3 A fan (1/10 HP motor), occupancy/vacancy, 120V~

**MS-OPS6M2-DV-XX**—6 A lighting, 3 A fan (1/10 HP motor, 120V only), occupancy/vacancy, 120-277V~

**MS-OPS6M2N-DV-XX**—6 A lighting, 3 A fan (1/10 HP motor, 120V only), occupancy/vacancy, neutral wire, 120-277V~

**Dimmer**

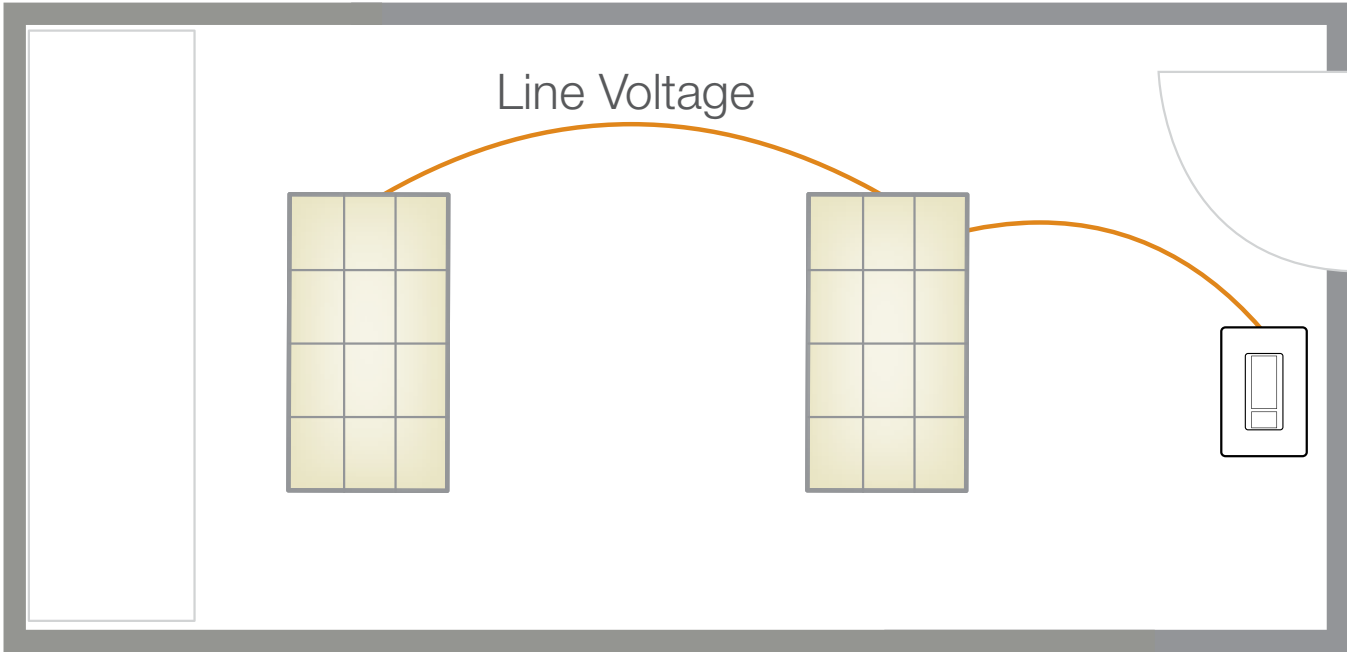
**MSCL-OP153M-XX**—600W incandescent/halogen, 150W dimmable CFL/LED, occupancy/vacancy, 120V~

(XX in the model number represents color/finish code; please visit [www.lutron.com](http://www.lutron.com) for color choices.)

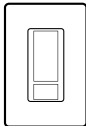
\* Maestro occupancy/vacancy sensing switches and dimmers are not components of Energi TriPak® and cannot communicate with Radio Powr Savr™ sensor or Pico® wireless controls.

\*\* Vacancy only models available

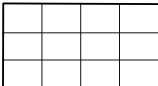
Storage room—switching, 1 zone



**Product key:**



Maestro occupancy sensing switch (mounted in 1-gang Claro® faceplate)

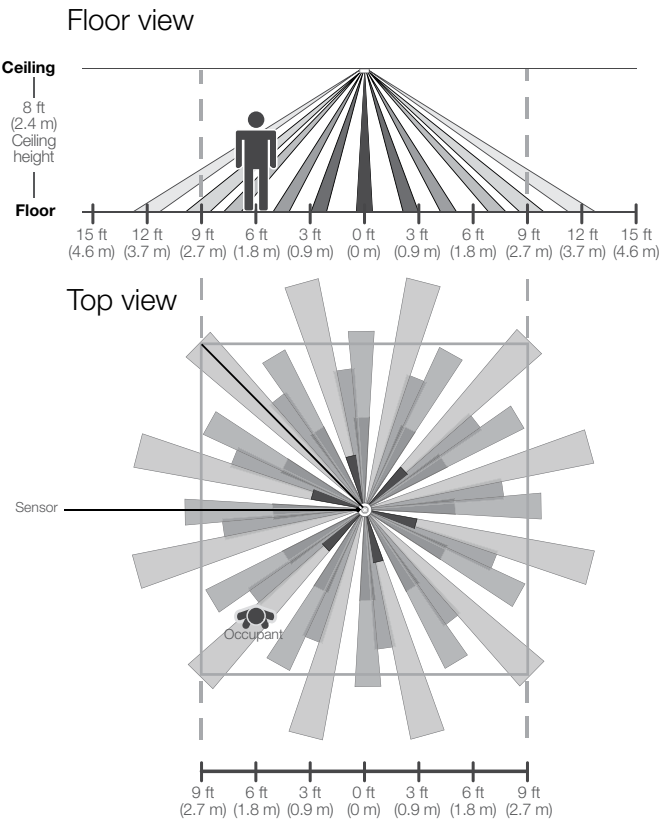


Switched lighting load

# Sensor coverage diagrams

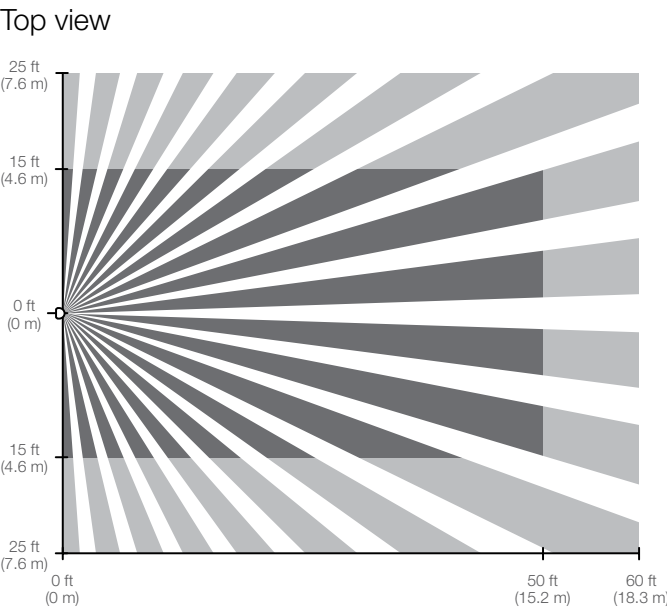
## Ceiling-mount, 360°

Coverage varies by ceiling height



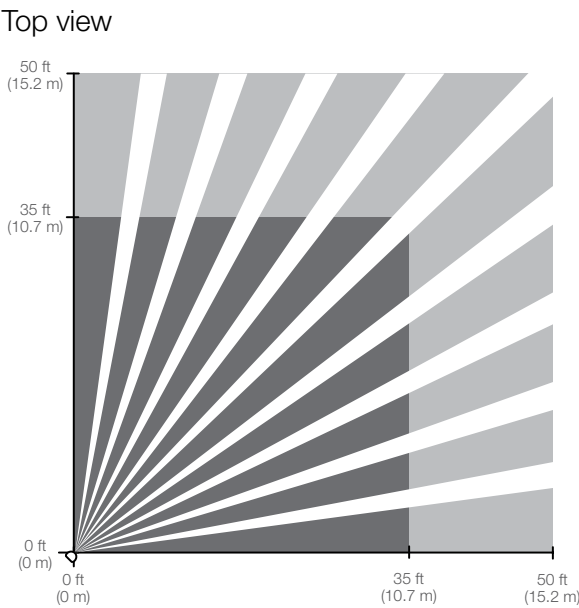
## Wall-mount\*, 180°

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



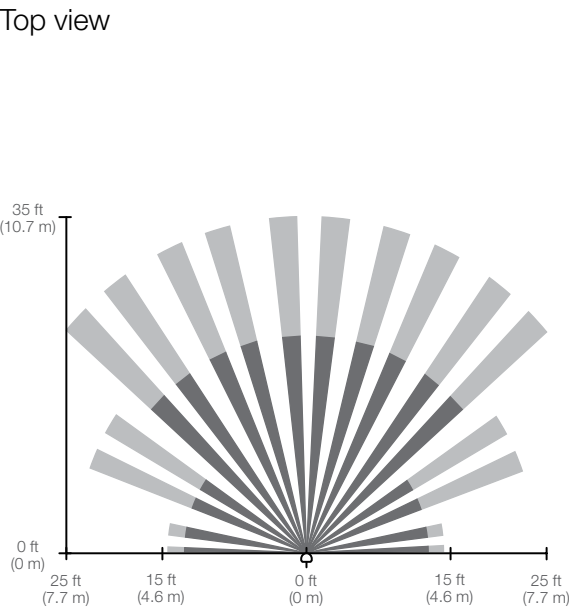
## Corner-mount\*, 90°

1,225ft<sup>2</sup>—minor motion; 2,500ft<sup>2</sup>—major motion



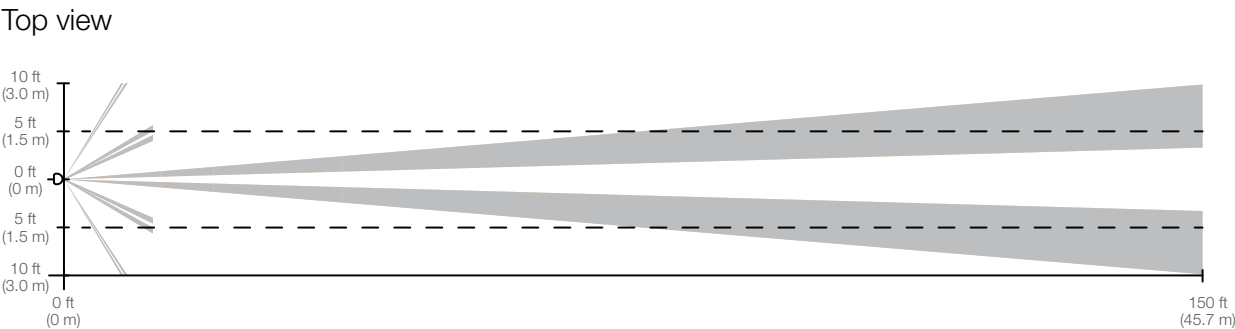
## In-wall, 180°

400ft<sup>2</sup>—minor motion; 900ft<sup>2</sup>—major motion



## Hallway\*, long narrow field of view

Coverage varies by hallway width and length



Ceiling-mount sensor coverage chart (for sensor mounted in center of room)

Ceiling height	Maximum room dimensions for complete floor coverage	Radius of coverage at floor
8 ft (2.4 m)	18 x 18 ft (5.5 x 5.5 m)	13 ft (4.0 m)
9 ft (2.7 m)	20 x 20 ft (6.1 x 6.1 m)	14.5 ft (4.4 m)
10 ft (3.0 m)	22 x 22 ft (6.7 x 6.7 m)	16 ft (4.9 m)
12 ft (3.7 m)**	26 x 26 ft (7.9 x 7.9 m)	19 ft (5.8 m)

Hallway sensor maximum recommended length chart (sensor centered within hallway)

Width of hallway	Length of hallway
6 ft (1.6 m) or less	50 ft (15.2 m)
8 ft (2.4 m)	100 ft (30.5 m)
10 ft (3.0 m) or more	150 ft (45.7 m)

\* Sensor mounting shown at 7 ft (2.1 m). Mounting height should be between 6 and 8 ft (1.6 and 2.4 m).  
\*\* 12 ft (3.7 m) is the maximum mounting height allowed.

Model number	Description	List Price (US)
<b>Maestro Wireless® switches*</b>		
MRF2-6ANS-XX	6A lighting, 3A fan (1/10HP motor), 120V~	88.00
MRF2-8ANS-120-XX	8A lighting, 5.8A fan (1/4HP motor), spec grade, 120V~	120.00
MRF2-8S-DV-XX	8A lighting, 3A fan (1/10HP motor, 120V only), spec grade, 120–277 V~ , no neutral	150.00
<b>Maestro Wireless dimmers*</b>		
MRF2-600M-XX	600W incandescent/halogen, 120V~	88.00
MRF2-6MLV-XX	600W/600VA incandescent/halogen/MLV, 120V~	100.00
MRF2-6ND-120-XX	600W/600VA incandescent/halogen/MLV, spec grade, neutral wire, 120V~	130.00
MRF2-10D-120-XX	1000W/1000VA incandescent/halogen/MLV, spec grade, 120V~	130.00
MRF2-F6AN-DV-XX	6A lighting, 3-wire fluorescent, spec grade, 120–277 V~	180.00
MRF2-6ELV-120-XX	600W ELV, 120V~	189.00
<b>Maestro Wireless tabletop lamp dimmer</b>		
MRF2-3LD-XX	300 W lamp dimmer, incandescent/halogen, 120V~	130.00
<b>PowPak® stairwell fixtures**</b>		
FXSWXX14CP232U51SMXXWH	4 ft, 2 lamp, T8 fluorescent, factory preset: 50% high-end, 10% low-end, 120/277 V~	390.00
FXSWXX14CP232U82SMXXWH	4 ft, 2 lamp, T8 fluorescent, factory preset: 80% high-end, 20% low-end, 120/277 V~	390.00
FXSWXX12SLLC1U51SMXXWH	2 ft, 17 W, 1500 lumens, 4000K LED, factory preset: 50% high-end, 10% low-end, 120/277 V~	500.00
FXSWXX12SLLC1U82SMXXWH	2 ft, 17 W, 1500 lumens, 4000K LED, factory preset: 80% high-end, 20% low-end, 120/277 V~	500.00
<b>PowPak relay module</b>		
RMJ-5R-DV-B	5A general purpose switch	89.00
RMJ-5RCCO1-DV-B	5A general purpose switch with (1) contact closure output	99.00
RMJ-16R-DV-B	16A general purpose switch	109.00
RMJ-16RCCO1-DV-B	16A general purpose switch with (1) contact closure output	119.00

Model number	Description	List Price (US)
<b>PowPak dimming module with EcoSystem®</b>		
RMJ-ECO32-DV-B	Controls up to 32 EcoSystem, EcoSystem H-Series or Hi-lume® 3D ballasts, or Hi-lume A-Series LED drivers	170.00
<b>EcoSystem H-Series ballasts†</b>		
EHDT832MU110	T8 linear, 32W, 1-lamp, 120-27V~, 1.0 ballast factor	79.00
EHDT832MU117	T8 linear, 32W, 1-lamp, 120-277V~, 1.17 ballast factor	79.00
EHDT832MU210	T8 linear, 32W, 2-lamp, 120-277V~, 1.0 ballast factor	79.00
EHDT832MU217	T8 linear, 32W, 2-lamp, 120-277V~, 1.17 ballast factor	79.00
EHDT528MU110	T5 linear, 28W, 1-lamp, 120-277V~, 1.0 ballast factor	89.00
EHDT528MU210	T5 linear, 28W, 2-lamp, 120-277V~, 1.0 ballast factor	89.00
EHDT554MU110	T5HO linear, 54W, 1-lamp, 120-277V~, 1.0 ballast factor	89.00
EHDT554MU210	T5HO linear, 54W, 2-lamp, 120-277V~, 1.0 ballast factor	89.00
EHDT817MU110	T8 linear, 17W, 1-lamp, 120-277V~, 1.0 ballast factor	89.00
EHDT817MU210	T8 linear, 17W, 2-lamp, 120-277V~, 1.0 ballast factor	89.00
EHDT825MU110	T8 linear, 25W, 1-lamp, 120-277V~, 1.0 ballast factor	89.00
EHDT825MU210	T8 linear, 25W, 2-lamp, 120-277V~, 1.0 ballast factor	89.00
EHDT514MU110	T5 linear, 14W, 1-lamp, 120-277V~, 1.0 ballast factor	89.00
EHDT514MU210	T5 linear, 14W, 2-lamp, 120-277V~, 1.0 ballast factor	89.00
EHDT521MU110	T5 linear, 21W, 1-lamp, 120-277V~, 1.0 ballast factor	89.00
EHDT521MU210	T5 linear, 21W, 2-lamp, 120-277V~, 1.0 ballast factor	89.00
EHDT524MU110	T5HO linear, 24W, 1-lamp, 120-277V~, 1.0 ballast factor	89.00
EHDT524MU210	T5HO linear, 24W, 2-lamp, 120-277V~, 1.0 ballast factor	89.00
EHDT539MU110	T5HO linear, 39W, 1-lamp, 120-277V~, 1.0 ballast factor	89.00
EHDT539MU210	T5HO linear, 39W, 2-lamp, 120-277V~, 1.0 ballast factor	89.00
EHDT832GU310	T8 linear, 32W, 3-lamp, 120-277V~, 1.0 ballast factor	129.00
EHDT832GU317	T8 linear, 32W, 3-lamp, 120-277V~, 1.17 ballast factor	129.00
<b>PowPak contact closure output module</b>		
RMJ-CCO1-24-B	(1) contact closure output	89.00
<b>PowPak plug-in dimming module</b>		
MRF2-3PD-1-XX	300W, 1-receptacle, incandescent/halogen, 120V~	99.00
MRF2-3PD-3-XX	300W, 3-receptacle, incandescent/halogen, 120V~	99.00
<b>PowPak plug-in appliance module</b>		
MRF2-15APS-1-XX	15A plug-in switch, 1-receptacle, 120V~	99.00
MRF2-15APS-3-XX	15A plug-in switch, 3-receptacle, 120V~	99.00

\* Price indicated for gloss finish products.  
\*\* Partial list only, for complete list of available fixtures visit [www.lutron.com/stairwellfixture](http://www.lutron.com/stairwellfixture).  
† Dimming ballasts require rapid start sockets. For more information, see Lutron App Note #122.

Model number	Description	List Price (US)
<b>Radio Powr Savr™ occupancy/vacancy sensors*</b>		
LRF2-OCR2B-P-WH	Ceiling-mount, 360° field of view, occupancy/vacancy sensor	85.00
LRF2-OWLB-P-WH	Wall-mount, 180° field of view, occupancy/vacancy sensor	85.00
LRF2-OKLB-P-WH	Corner-mount, 90° field of view, occupancy/vacancy sensor	85.00
LRF2-OHLB-P-WH	Hallway, occupancy/vacancy sensor	85.00
<b>Simple Energy Retrofit packages**</b>		
MRF2-1S8A-1OC*	(1) Maestro Wireless® 8 A, no neutral switch, 120/277 V~, (1) Claro® 1-gang faceplate, (1) Radio Powr Savr wireless ceiling-mount occupancy/vacancy sensor	198.00
MRF2-1S8A-1OW	(1) Maestro Wireless 8 A, no neutral switch, 120/277 V~, (1) Claro 1-gang faceplate, (1) Radio Powr Savr wireless wall-mount occupancy/vacancy sensor	198.00
MRF2-1S8A-1OK	(1) Maestro Wireless 8 A, no neutral switch, 120/277 V~, (1) Claro 1-gang faceplate, (1) Radio Powr Savr wireless corner-mount occupancy/vacancy sensor	198.00
MRF2-1S8A-1OH	(1) Maestro Wireless 8 A, no neutral switch, 120/277 V~, (1) Claro 1-gang faceplate, (1) Radio Powr Savr wireless hallway occupancy/vacancy sensor	198.00
MRF2-2S8A-1OW	(2) Maestro Wireless 8 A, no neutral switches, (1) Claro 2-gang faceplate, (1) Radio Powr Savr wireless wall-mount occupancy/vacancy sensor	350.00
<b>Radio Powr Savr occupancy/vacancy sensors accessories</b>		
L-CMDPIRKIT	Ceiling-mount sensor lens masking kit	11.80
L-CRMK-WH	Ceiling-mount recess-mounting bracket	17.00
WGOMNI-CPN3688	Wire guard for ceiling-mount sensor, white	80.00
WGWS-CPN3688	Wire guard for wall-mount and hallway sensors, white	80.00
STI-9618-CPN3688	Wire guard for corner-mount sensor, white	80.00
<b>Radio Powr Savr daylight sensor</b>		
LRF2-DCRB-WH	Ceiling-mount daylight sensor	120.00
<b>Pico® wireless controls†</b>		
PJ-3BRL-GWH-YYY	3-button with Raise/Lower, white only	25.00
PJ-2BRL-GWH-YYY	2-button with Raise/Lower, white only	25.00
PJ-3B-GWH-YYY	3-button, white only	25.00
PJ-2B-GWH-YYY	2-button, white only	25.00
PJ-3BRL-GXX-YYY	3-button with Raise/Lower	56.00
PJ-2BRL-GXX-YYY	2-button with Raise/Lower	56.00
PJ-3B-GXX-YYY	3-button	56.00
PJ-2B-GXX-YYY	2-button	56.00

Model number	Description	List Price (US)
<b>Pico accessories</b>		
L-PED1-XX	Pico wireless control single pedestal	15.00
L-PED2-XX	Pico wireless control double pedestal	30.00
L-PED3-XX	Pico wireless control triple pedestal	100.00
L-PED4-XX	Pico wireless control quadruple pedestal	120.00
PICO-FP-ADAPT	Pico wireless control faceplate adapter	8.00
PFP-1-B-FXX-CPN5692††	Single Euro Pico faceplate with adapter	40.00
PFP-2-B-FXX-CPN5692††	Double Euro Pico faceplate with adapter	44.00
<b>Lamp Socket Wiring Tester</b>		
FDB-LSWT-T5/T8	600V, 100KHz, 0.125A max, CAT III	180.00
<b>Maestro® occupancy/vacancy sensing switches*‡</b>		
MS-OPS2-XX	2 A lighting, occupancy/vacancy sensing switch, 120V~	29.00
MS-OPS5M-XX	5 A lighting, 3 A fan (1/10HP motor), occupancy/vacancy sensing switch, 120V~	41.00
MS-OPS6M2-DV-XX	6 A lighting, 3 A fan (1/10HP motor, 120V only), occupancy/vacancy sensing switch, 120-277 V~	49.00
MS-OPS6M2N-DV-XX	6 A lighting, 3 A fan (1/10HP motor, 120V only), occupancy/vacancy sensing switch, neutral wire, 120-277 V~	49.00
<b>Maestro occupancy/vacancy sensing dimmers*‡</b>		
MSCL-OP153M-XX	600W incandescent/halogen, 150W dimmable CFL/LED, occupancy/vacancy sensing dimmer, 120V~	54.00
<b>Maestro Wireless/Maestro occupancy sensing control companion devices†</b>		
MA-AS-XX	Multi-location companion switch, 120V~	35.50
MA-AS-277-XX	Multi-location companion switch, 277 V~	44.00
MA-R-XX	Multi-location companion dimmer, 120V~	27.50
MA-R-277-XX	Multi-location companion dimmer, 277 V~	44.00
<b>Faceplates</b>		
CW-1-XX	Claro® 1-gang faceplate	4.90
CW-2-XX	Claro 2-gang faceplate	9.80
CW-3-XX	Claro 3-gang faceplate	15.00
CW-4-XX	Claro 4-gang faceplate	20.00

\* Vacancy-only models available to meet California Title 24 section 119(j) requirements.

\*\* Available in white only.

† Price indicated for light or power text/icon labeling only.

†† Price indicated for Arctic White and Midnight only, contact Lutron for additional color options and pricing.

‡ Price indicated for gloss finish only.