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

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

Easy installation
Save time and reduce callbacks
Maestro® In-wall sensors mistake-proof wiring — no polarity for line or loadside wiring

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

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

1. Press and hold 6 seconds
2. Press and hold 6 seconds

It works!
Sensor now talks to the switch

Coverage varies by hallway width and length: Wireless ceiling-mount, 360° — Major motion
Corner-mount, 90° — Minor motion
Wall-mount, 180° — No polarity

Coverage varies by ceiling height: Hallway, long narrow field of view
Wireless ceiling-mount, 360° — Minor motion
Corner-mount, 90° — Minor motion
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Commercial Solutions and Codes & Controls apps
Lutron® Sensor Solutions
Reliable, affordable sensors for any space: residential or commercial, retrofit or new construction.

www.lutron.com
Maestro in-wall sensors

Radio Powr Savr wireless sensors

Lutron Sensor Coverage

Wall-mount, 180°
- 400 ft² — minor motion
- 900 ft² — major motion

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

Corner-mount, 90°
- 1,225 ft² — minor motion
- 2,500 ft² — major motion

- 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 EcoSystems dimmers
- Receptacle controls
- Stairwell fixtures
- LED
- Fluorescent

Wireless ceiling-mount, 360°
Coverage varies by ceiling height

Hallway, long narrow field of view
Coverage varies by hallways width and length

Key:
- minor motion (PIR)
- major motion (PIR)
- very fine motion (Ultrasonic)

- 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

Tools at your fingertips:

• Easy installation
  - Save time and reduce callbacks
  - dimensioning

• No commissioning
  - Simple button-press set-up

• 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
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    - Dimmers
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Key:
- minor motion (PIR)
- major motion (PIR)
- very fine motion (Ultrasonic)
<table>
<thead>
<tr>
<th>Model Number</th>
<th>2A PIR</th>
<th>5A PIR</th>
<th>6A PIR</th>
<th>6A Dual-circuit PIR</th>
<th>6A Dual-tech</th>
<th>6A Dual-circuit dual-tech</th>
<th>PIR Dimmer</th>
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</thead>
<tbody>
<tr>
<td>Key Applications</td>
<td>Small space (storage room, closet) Kitchen</td>
<td>Bathroom</td>
<td>Office</td>
<td>Training room</td>
<td>Private office</td>
<td>Conference room</td>
<td>Private Office</td>
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<tr>
<td>Technology</td>
<td>XCTu PIR</td>
<td>XCT PIR</td>
<td>XCT PIR</td>
<td>XCT PIR</td>
<td>XCT dual-technology (PIR and ultrasonic)</td>
<td>XCT dual-technology (PIR and ultrasonic)</td>
<td>XCT PIR</td>
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<tr>
<td>Coverage (sq ft)</td>
<td>900 (major motion) 400 (minor motion)</td>
<td>900 (major motion) 400 (minor motion)</td>
<td>900 (major motion) 400 (minor motion)</td>
<td>900 (major motion) 400 (minor motion)</td>
<td>900 (major motion) 400 (minor motion)</td>
<td>900 (major motion) 400 (minor motion)</td>
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<tr>
<td>Timeout</td>
<td>1, 5, 15, or 30 minutes</td>
<td>1, 5, 15, or 30 minutes</td>
<td>1, 5, 15, or 30 minutes</td>
<td>1, 5, 15, or 30 minutes</td>
<td>1, 5, 15, or 30 minutes</td>
<td>1, 5, 15, or 30 minutes</td>
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<tr>
<td>Voltage</td>
<td>120V</td>
<td>120V</td>
<td>120-277V</td>
<td>120-277V</td>
<td>120-277V</td>
<td>120-277V</td>
<td>120-277V</td>
</tr>
<tr>
<td>Amperage/Wattage</td>
<td>2A lighting 3A (120V) fan</td>
<td>5A lighting 3A (120V) fan</td>
<td>6A lighting per circuit or 4.4A fan (120V) per circuit</td>
<td>6A lighting per circuit or 4.4A fan (120V) per circuit</td>
<td>6A lighting per circuit or 4.4A fan (120V) per circuit</td>
<td>150W CFL/LED 600W inc/halogen</td>
<td></td>
</tr>
<tr>
<td>Single Pole, 3-way, Multi-location</td>
<td>Single pole</td>
<td>3-way/multi-location</td>
<td>Single pole</td>
<td>3-way/multi-location (neutral model only)</td>
<td>3-way (neutral model only)</td>
<td>3-way/multi-location</td>
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</tr>
<tr>
<td>Ambient Light Detection</td>
<td>Smart</td>
<td>Smart</td>
<td>Smart</td>
<td>Smart or fixed</td>
<td>Smart or fixed</td>
<td>Smart or fixed</td>
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<tr>
<td>Tamper-resistant Lens</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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</tr>
<tr>
<td>Energy Code Met</td>
<td>Automatic shutoff</td>
<td>Automatic shutoff</td>
<td>Automatic shutoff</td>
<td>Multi-level lighting**</td>
<td>Automatic shutoff</td>
<td>Multi-level lighting**</td>
<td>Multi-level lighting</td>
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</tbody>
</table>

** Radio Powr Savr wireless occupancy/vacancy sensors are part of the Energi TriPak® family**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>LRF2-OCR2B-P-WH</th>
<th>LRF2-OWLB-P-WH</th>
<th>LRF2-OKLB-P-WH</th>
<th>LRF2-OHLB-P-WH</th>
<th>MRF2-8ANS-120-XX, MRF2-8S-DV-XX (no neutral)</th>
<th>RMJ-5T-DV-B</th>
<th>RMJ-ECO32-DV-B</th>
<th>RMJ-16R-DV-B</th>
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</thead>
<tbody>
<tr>
<td>Key Applications</td>
<td>Stairwell</td>
<td>Lobby Stairwell</td>
<td>Classroom</td>
<td>Hallway</td>
<td>Utility Closet Private Office</td>
<td>Classoom, Conference Room</td>
<td>Bathroom</td>
<td>Storage Room</td>
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<tr>
<td>Sensing Technology</td>
<td>XCT PIR</td>
<td>XCT PIR</td>
<td>XCT PIR</td>
<td>XCT PIR</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Voltage</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>120-277V</td>
<td>120/277V</td>
<td>120/277V</td>
<td>120/277V</td>
</tr>
<tr>
<td>Amperage/Wattage</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>8A lighting, 3A fan (1/10 HP motor, 120V only)</td>
<td>5A lighting</td>
<td>—</td>
<td>16A lighting</td>
</tr>
<tr>
<td>Load Types</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>All lighting loads, motor loads</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Coverage (sq ft)</td>
<td>500 based on 8ft ceiling</td>
<td>3000 (major motion) 1500 (minor motion)</td>
<td>2500 (major motion) 1225 (minor motion)</td>
<td>150ft hallway</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Timeout</td>
<td>1, 5, 15, or 30 minutes</td>
<td>1, 5, 15, or 30 minutes</td>
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<td>1, 5, 15, or 30 minutes</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Battery Life</td>
<td>10 years</td>
<td>10 years</td>
<td>10 years</td>
<td>10 years</td>
<td>—</td>
<td>—</td>
<td>—</td>
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<tr>
<td>Low Light Detection</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

* XX denotes color suffix
** Meets this requirement when tri-level control is allowed
*** Meets this requirement when paired with proper load control

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