# Quick Recommendation Guide

## Typical Applications

<table>
<thead>
<tr>
<th>Application</th>
<th>Size</th>
<th>Sensor(s) Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Private Offices</strong></td>
<td>Up to 15’x15’</td>
<td>WSX ** / WSX D**&lt;sup&gt;**&lt;/sup&gt; / WSX PDT VLP ** / WSX PDT D VLP ** &lt;br&gt;sensor must have visibility to desktop activity</td>
</tr>
<tr>
<td><strong>Conference Rooms</strong></td>
<td>Up to 15’x15’</td>
<td>WSX PDT VLP ** / WSX PDT D VLP **  &lt;br&gt;sensor will detect both motion and sound</td>
</tr>
<tr>
<td><strong>Classrooms</strong></td>
<td>Up to 30’x30’</td>
<td>WV PDT 16* &lt;br&gt;place sensor in corner along entrance wall</td>
</tr>
<tr>
<td><strong>Open Office Areas</strong></td>
<td>8’-10’ Mounting Height</td>
<td>Multiple CM PDT 9* &lt;br&gt;place sensors on 25’ - 30’ centers and cover all entrances</td>
</tr>
<tr>
<td><strong>Restrooms</strong></td>
<td>Private</td>
<td>WSX ** / WSX D**&lt;sup&gt;**&lt;/sup&gt;  &lt;br&gt;For rooms without obstructions</td>
</tr>
<tr>
<td><strong>Corridors</strong></td>
<td>9’ Mounting Height</td>
<td>CM 10* &lt;br&gt;place sensors 50’ on center</td>
</tr>
<tr>
<td><strong>Gymnasiums</strong></td>
<td>25’ Mounting Height</td>
<td>LSXR 6 &lt;br&gt;place sensors on 40’ centers and cover all entrances</td>
</tr>
<tr>
<td><strong>Warehouses</strong></td>
<td>360° Mounting Height</td>
<td>LSXR 6 &lt;br&gt;1 sensor per fixture</td>
</tr>
</tbody>
</table>

---

* Requires power pack(s). †Results typical; actual savings may differ. **WSD series may be substituted in place of the WSX; see datasheet for product details.
Wiring Diagrams

**LINE VOLTAGE SENSOR**
(i.e., CMR 9)

**LOW VOLTAGE**
Single Sensor (i.e., CM 9)

**WIRING TO GROUND (NO NEUTRAL)**
Wall Switch Sensor Single Relay

**WIRING TO NEUTRAL**
Wall Switch Sensor Single Relay

**BI-LEVEL (AUTO-ON/MANUAL ON) SOLUTION**
WITH CEILING SENSOR: 2-GANG

**CONVERSION FROM GROUND ONLY (NO NEUTRAL) TO NEUTRAL WIRING WITH WALL SENSOR**
The product is pre-configured for wiring without a neutral; however, if connection to neutral is required by code, contractors can quickly and easily convert the unit in seconds.

**LINE VOLTAGE - SINGLE RELAY (I.E., LSXR XX)**
Wiring to single Phase Power (120/277/347 VAC)

- **Black**
  - 120/277 VAC input (red wire for 347 VAC)
  - Switched line voltage output to luminaire (Red wire for 347 VAC)
- **White**
  - Neutral
- **Blue**
  - Line 2 Input
  - Load 2 Output

**Notes:**
1. Black wires can be reversed.
2. Blue wires can be reversed.
3. Disconnect and cap black output wire going to driver/ballast if switching fixture is not required.

**LINE VOLTAGE - DUAL RELAY (I.E., LSXR XX 2P)**
Wiring to single Phase Power (120/277/347 VAC)

- **Black**
  - Pole 1: 120/277 VAC input (red wire for 347 VAC)
  - Pole 1: Switched line voltage output to luminaire (Red wire for 347 VAC)
- **Blue**
  - Pole 2: 120/277/347 VAC Input
  - Pole 2: Switched line voltage output to luminaire

**Notes:**
1. Black wires can be reversed.
2. Blue wires can be reversed.
3. Wire is red 347 VAC version.
4. Red wires can be reversed.