**SEQUENCE OF OPERATIONS:**

**LIGHTING**
- 0-10V LIGHTING LOADS
- UP TO 3 DIMMING ZONES
- OUT OF THE BOX 75% HIGH END TRIM

**OCCUPANCY**
- OUT OF THE BOX AUTO ON TO 50%
- OPTIONAL VACANCY MODE
- OPTIONAL AUTO ON TO SCENE
- PLUG LOAD TURNS ON WITH OCCUPANCY
- AUTOMATIC OFF OF LIGHTING AND PLUG LOAD ON VACANCY

**DAYLIGHTING**
- CONTINUOUS DIMMING TO OFF
- INDIVIDUAL LUMINAIRE DAYLIGHT DIMMING
- DAYLIGHTING NOT REQUIRED FOR INDOOR OFFICES
- NOT REQUIRED IN SPACES WITHOUT WINDOWS THAT ARE LESS THAN 120W.

**MANUAL CONTROLS**
- PROGRAMMABLE SCENES
- SCENE RAISE
- SCENE LOWER
- ALL OFF

**ADDITIONAL FEATURES**
- ENERGY CALCULATIONS AVAILABLE THROUGH TRELLIX
- AUTOMATIC DEMAND RESPONSE AVAILABLE FROM WIRELESS AREA CONTROLLER
- SCHEDULING OF PARTIAL OFF LIGHT LEVELS AND TIMES FROM WIRELESS AREA CONTROLLER
- UL924 EMERGENCY CONTROL CAPABILITIES AVAILABLE VIA LUMINAIRE BATTERY BACKUP

---

**Bill of Materials**

<table>
<thead>
<tr>
<th>Qty</th>
<th>Catalog #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>WAC-POE</td>
<td>Wireless Area Controller</td>
</tr>
<tr>
<td>1</td>
<td>W4S-RL-W</td>
<td>4 Small button scene wallstation</td>
</tr>
<tr>
<td>1</td>
<td>WR-15</td>
<td>Wireless Receptacle</td>
</tr>
<tr>
<td>1</td>
<td>WTA</td>
<td>Wireless Tile Mount Sensor</td>
</tr>
<tr>
<td>3</td>
<td>LD4 or LD6</td>
<td>Portfolio Commercial Recessed LED</td>
</tr>
<tr>
<td>4</td>
<td>22EN-LD2-34-UNV-L835-CD1-SWP1-U</td>
<td>Encounter 2x2 with INSTinct Sensor</td>
</tr>
</tbody>
</table>

---

**TYPICAL WIRING DETAIL**

- **Design Consideration:**
  - Gateway/WAC range
  - Number of interior walls
  - Distance from WAC to 1st WCL device
  - Distance between WCL devices
  - Number of hops from WAC
  - Number of areas per WAC
  - Number of zones per area
  - Number of scenes per area

- **Best Practice:**
  - 150 feet to 250 feet LOS
  - 2 walls
  - 75 feet
  - 4 hops
  - 15 + construction area
  - 3
  - 16

---

**ASHRAE 90.1-2016**

|---------------|-----------|---------|-------|----------|-----|----------|---------|-----------|-----------|------------|----------------|------------------|------------------|------------------|