### 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**
- Power measurement reporting through mobile application
- 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>TM-SWPD1</td>
<td>Wireless Tile Mount Sensor</td>
</tr>
<tr>
<td>6</td>
<td>RL56</td>
<td>Halo recessed LED with wireless</td>
</tr>
<tr>
<td>2</td>
<td>DSI-WS-3L35-1D-UNV-AC48-T1-8-STD-WCL-W</td>
<td>Divide Suspended with INstinct Sensor</td>
</tr>
</tbody>
</table>

### Typical Wiring Detail

**Design Consideration:**
- Gateway/WAC range: 150 feet to 250 feet LOS
- Number of interior walls: 2 walls
- Distance from WAC to 1st WCL device: 150 feet
- Distance between WCL devices: 75 feet
- Number of hops from WAC: 4 hops
- Number of areas per WAC: 16
- Number of zones per area: 3
- Number of scenes per area: 6

**Best Practice:**
- 300 feet LOS
- 3 walls
- 200 feet
- 150 feet
- 5 hops
- 16
- 16
- 10