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

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
- 150 feet
- 75 feet
- 4 hops
- 15 construction area
- 15 construction area
- 3
- 16
- 16

Best Practice:
- 300 feet LOS
- 3 walls
- 200 feet
- 150 feet
- 5 hops
- 15 + construction area
- 15 + construction area
- 16
- 16

Bill of Materials

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<tr>
<th>Qty</th>
<th>Catalog #</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>WAC-POE</td>
<td>Wireless Area Controller</td>
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<tr>
<td>6</td>
<td>W4S-RL-W</td>
<td>1 Large button scene wallstation</td>
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<td>4</td>
<td>WSP-MV-010</td>
<td>WaveLinx Relay 0-10V Switchpack</td>
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<td>4</td>
<td>LDCM-PL - 120-277 - 010V -GR</td>
<td>Linear Dimming Control Modules</td>
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<td>23</td>
<td>24EN-LD2-34-UNV-L835-CD1-SWPD1-U</td>
<td>Encounter 2x4 with iNstinct Sensor</td>
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</table>

TYPICAL WIRING DETAIL

Wireless Area Controller (WAC-POE) installed within 150ft of WCL devices

Wireless Receptacle (WR-15)

Wireless 4 small button scene wallstation (W4S-RL-W)

Encounter 2x4 with iNstinct Sensor 24EN-LD2-34-UNV-L835-CD1-SWPD1-U

Linear Dimming Control Module (LDCM-PL - 120-277 - 010V -GR)

20A Relay w/ 0-10V Dimming (WSP-MV-010)