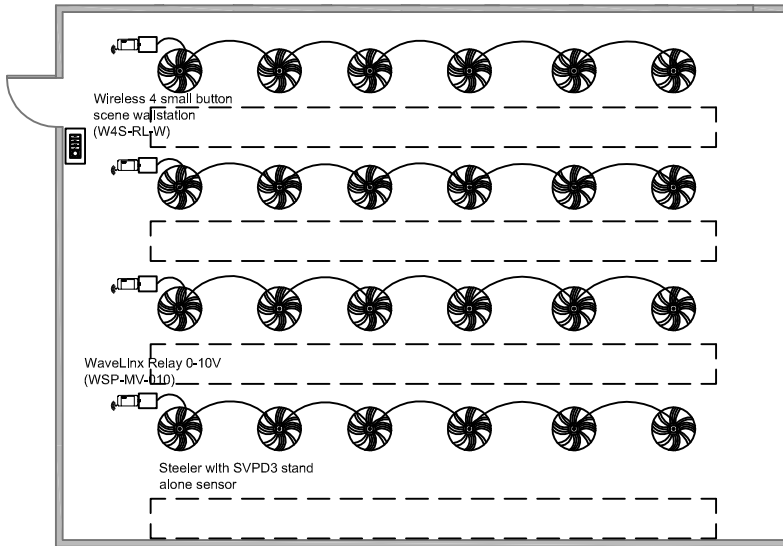




WaveLinx Wireless Connected Lighting

CA TITLE 24 2016 DESIGN GUIDE

WAREHOUSE WITH 0-10V DIMMING AND DEMAND RESPONSE



SEQUENCE OF OPERATIONS:

LIGHTING

- 0-10V LIGHTING LOADS
- EACH LUMINAIRE INCLUDES DIMMABLE INTEGRATED SENSOR
- EACH LUMINAIRE SUPPORTS OCCUPIED/UNOCCUPIED PROGRAMMABLE LIGHT LEVELS

OCCUPANCY

- AUTOMATIC ON TO PROGRAMMABLE LEVEL
- PROGRAMMABLE UNOCCUPIED LIGHT LEVEL

DAYLIGHTING

- CONTINUOUS DIMMING
- INDIVIDUAL LUMINAIRE DAYLIGHT DIMMING
- DAYLIGHTING NOT REQUIRED FOR INDOOR SPACES

MANUAL CONTROLS

- PROGRAMMABLE ZONE/SCENE CONTROL
- OPTIONAL SCENE/RAISE/LOWER CONTROL
- ALL OFF

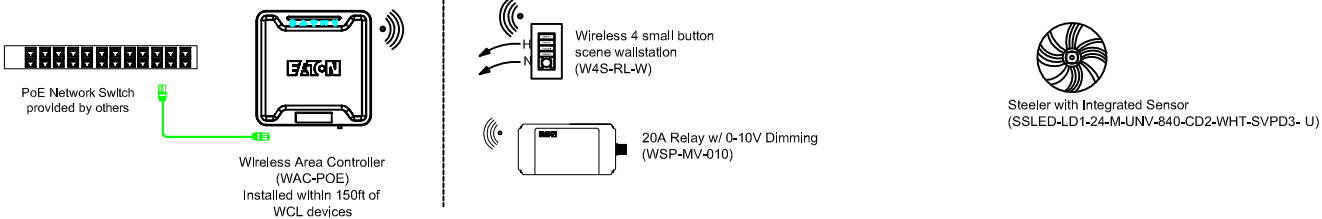
ADDITIONAL FEATURES

- 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

| Qty | Catalog # | Description |
|-----|--|----------------------------------|
| 1 | WAC-POE | Wireless Area Controller |
| 1 | W4S-RL-W | 1 Large button scene wallstation |
| 4 | WSP-MV-010 | WaveLinx Relay 0-10V Switchpack |
| 24 | SSLED-LD1-24-M-UNV-840-CD2-WHT-SVPD3-U | Steeler with Integrated Sensor |

TYPICAL WIRING DETAIL



| Design Consideration: | Best Practice: | Best Practice: |
|-------------------------------------|--------------------------|----------------|
| Gateway/WAC range | 150 feet to 250 feet LOS | 300 feet LOS |
| Number of interior walls | 2 walls | 3 walls |
| Distance from WAC to 1st WCL device | 150 feet | 200 feet |
| Distance between WCL devices | 75 feet | 150 feet |
| Number of hops from WAC | 4 hops | 5 hops |
| Number of areas per WAC | 16 | 16 |
| Number of zones per area | 3 | 16 |
| Number of scenes per area | 6 | 10 |

| | Local Control | Manual ON | Partial ON | Bi-level Lighting | Daylight Slide | Daylight Top | Partial OFF | Automatic OFF | Scheduled OFF | Receptacle Control | Energy Monitoring | Parking Garage | Functional Testing | Demand Response | Enhanced Digital |
|----------|---------------|-------------|------------|-------------------|----------------|--------------|-------------|---------------|---------------|--------------------|-------------------|----------------|--------------------|-------------------|------------------|
| T24 2016 | 130.1(a)(b) | 130.1(a)(b) | 130.1(b) | 130.1(d) | 130.1(d) | 130.1(d) | 130.1(c),6 | 130.1(c),5 | 130.1(c) | 130.5(d) | 130.5(b) | 130.1(d) | 130.4 | 130.1(e),130.5(e) | |

