

WSEC 2015 DESIGN GUIDE

CLASSROOM WITH 0-10V DIMMING FIXTURES



SEQUENCE OF OPERATION:

LIGHTS

- ALL LIGHTS ARE DIMMABLE
- EACH ROW CONTROLLED INDEPENDENTLY
- OPTIONAL AUTOMATIC LUMEN COMPENSATION
- ADJUSTABLE HIGH/LOW TRIM

OCCUPANCY

- FIXTURES MUST BE TURNED ON MANUALLY (OR OPTIONALLY CAN BE CONFIGURED TO SOME ON AUTOMATICALLY TO 50%)
- FIXTURES AND RECEPTACLES AUTOMATICALLY TURN OFF WHEN ROOM BECOMES VACANT

DAYLIGHT

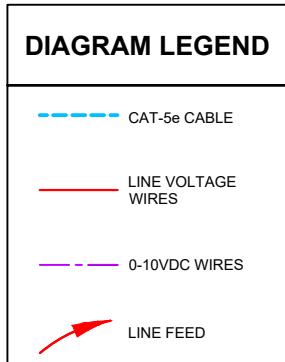
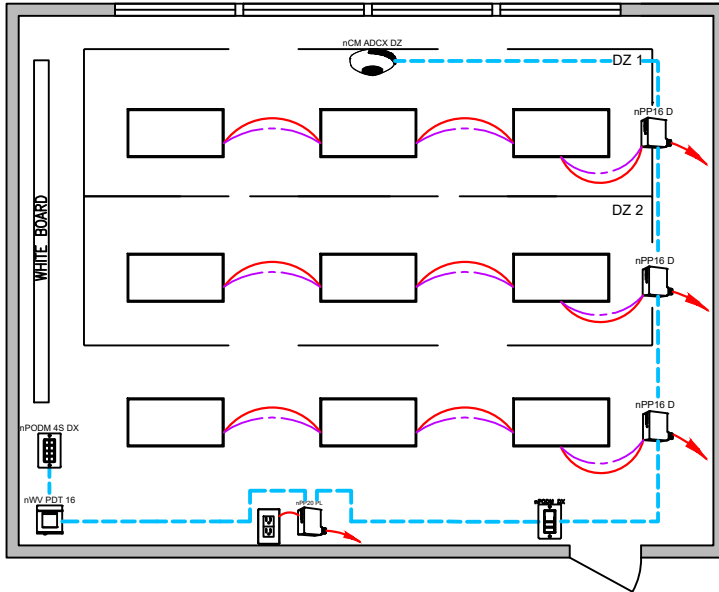
- SMOOTH CONTINUOUS DIMMING
- CUSTOM GROUPING OF FIXTURES INTO SEPARATE DAYLIGHT ZONES (MAX NUMBER ZONES = NUMBER OF FIXTURES)
- NOT REQUIRED FOR AREAS WITHOUT WINDOWS OR WITH TWO OR LESS LUMINAIRES

MANUAL

- MASTER ON/OFF & RAISE/LOWER CONTROL OF ENTIRE ROOM
- MASTER 4 SCENE CONTROL

ADDITIONAL OPTIONS:

- ADD GRAPHIC WALLPOD (MODEL NPOD TOUCH) FOR INDIVIDUAL ROW AND UP TO 16 SCENE CONTROL
- ROOM CAN BE CONNECTED TO NLIGHT BACKBONE TO ENABLE NET-WORK CONTROL OR TIME SCHEDULES (C405.2.2.1)
- HVAC CONTROL AVAILABLE THROUGH SYSTEM-WIDE BACNET® INTERFACE OPTION ON THE ECLYPSE CONTROLLER



BILL OF MATERIAL

| QTY | PRODUCT # | DESCRIPTION |
|-----|-------------|--|
| 3 | nPP16 D | RELAY PACK WITH 0-10V DIMMING OUTPUT |
| 1 | nPP20 PL | PLUG LOAD RELAY PACK |
| 1 | nPODM DX | ON/OFF & RAISE/LOWER WALL POD |
| 1 | nWV PDT 16 | DUAL TECHNOLOGY WIDE VIEW OCCUPANCY SENSOR |
| 1 | nPODM 4S DX | TEACHER STATION - 4 SCENE CONTROL MASTER ON/OFF RAISE/LOWER. |
| 1 | nCM ADCX DZ | DAYLIGHT SENSOR |

SUPPORTS THE FOLLOWING REQUIREMENTS:

- ✔ FULL AUTO-OFF VIA OCCUPANCY SENSOR (C405.2.1.1)
- ✔ LOCAL SWITCH (C405.2.2.3)
- ✔ LIGHTING REDUCTION (C405.2.2.2)
- ✔ PLUG LOAD CONTROL (C405.10)