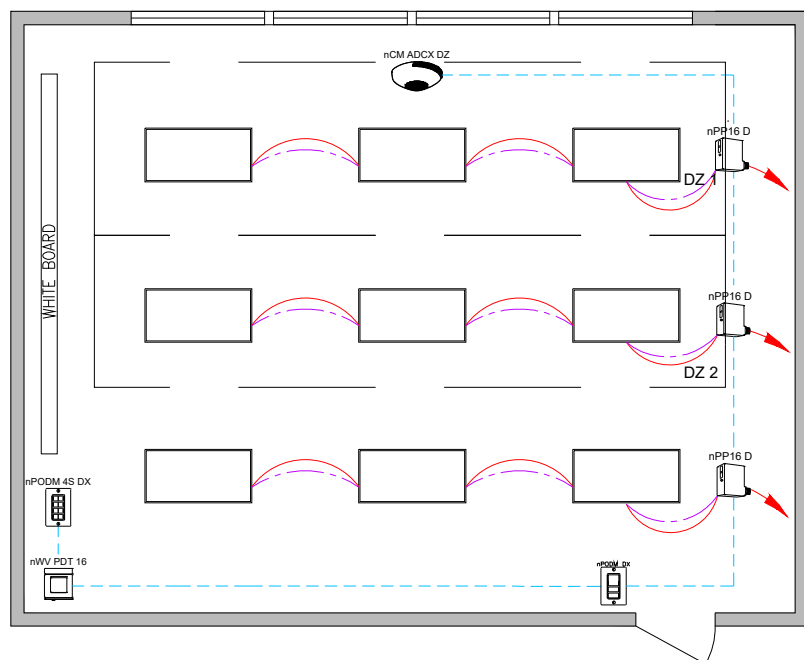


CA TITLE 24 2019 DESIGN GUIDE

CLASSROOM WITH 0-10V DIMMING FIXTURES



SEQUENCE OF OPERATION:

LIGHTS

- ALL LIGHTS ARE DIMMABLE
- FIXTURES ARE CONTROLLED BASED ON POWER PACK LINE VOLTAGE AND 0-10V WIRING
- MAXIMUM LEVEL CAN BE TASK TUNED TO ANY PERCENTAGE VIA PROGRAMMING

OCCUPANCY

- PARTIAL-ON OCCUPANCY SENSORS AUTOMATICALLY ACTIVATE BETWEEN 50-70% OF CONTROLLED LIGHTING POWER OR FIXTURES MUST BE TURNED ON MANUALLY
- FIXTURES AUTOMATICALLY TURN OFF WHEN ROOM BECOMES VACANT

DAYLIGHT

- NOT REQUIRED IF ROOM HAS <24 FT² OF GLAZING OR LIGHTING LOAD < 120W IN THE SKYLIT AND THE SIDELIT DAYLIT ZONE
- SMOOTH CONTINUOUS DIMMING
- CUSTOM GROUPING OF FIXTURES INTO SEPARATE DAYLIGH ZONES (MAX.NUMBER OF ZONES =NUMBER OF FIXTURES)

MANUAL

- ON/OFF & RAISE/LOWER CONTROL OF FIXTURES
- TEACHER STATION WITH 4 PRESET SCENES

ADDITIONAL OPTIONS:

- ROOM CAN BE CONNECTED TO NLIGHT BACKBONE TO ENABLE NETWORK CONTROL, TIME SCHEDULES AND AUTOMATED DEMAND RESPONSE (OPENADR 2.0A)
- HVAC CONTROL AVAILABLE THROUGH SYSTEM-WIDE BACNET® INTERFACE OPTION ON THE ECLYPSE® CONTROLLER
- WIRELESS FIXTURE EMBEDDED CONTROL AND OCCUPANCY/DAYLIGHTING SENSOR OPTIONS AVAILABLE, PLEASE SEE THE FIXTURE SPECIFICATION SHEET

DIAGRAM LEGEND

- CAT-5e CABLE
- LINE VOLTAGE WIRES
- 0-10VDC WIRES
- LINE FEED

BILL OF MATERIAL

	PRODUCT #	DESCRIPTION
3	nPP16 D	RELAY MODULE WITH 0-10V DIMMING OUTPUT
1	nPODM 4S DX	TEACHER STATION - 4 SCENE CONTROL MASTER ON/OFF RAISE/LOWER.
1	nPODM DX	ON/OFF & RAISE/LOWER WALL POD
1	nWV PDT 16	DUAL TECHNOLOGY WIDE VIEW OCCUPANCY SENSOR
1	nCM ADCX DZ	AUTOMATIC DIMMING PHOTOCELL w/ DUAL ZONE CONTROL

SUPPORTS THE FOLLOWING REQUIREMENTS:



FULL AUTO-OFF VIA OCCUPANCY SENSOR (SECTION 130.1c)



AREA CONTROL (SECTION 130.1a)



MULTI-LEVEL/ DIMMING CONTROL (SECTION 130.1b)



AUTOMATIC DEMAND RESPONSE (ADR) READY (SECTION 130.1e)



LESS THAN 120W PRIMARY DAYLIGHT ZONE DO NOT REQUIRE DAYLIGHT HARVESTING (SECTION 130.1d)