

CA TITLE 24 2019 DESIGN GUIDE

WIRELESS CLASSROOM WITH 0-10V DIMMING FIXTURES



nLIGHT AIR

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

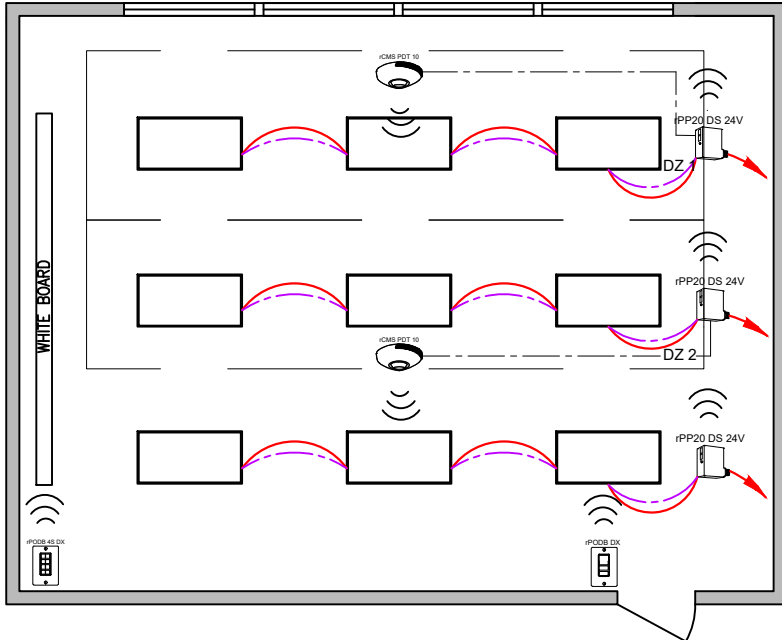


DIAGRAM LEGEND	
	LOW VOLTAGE WIRES
	LINE VOLTAGE WIRES
	0-10VDC WIRES
	LINE FEED

BILL OF MATERIAL		
	PRODUCT #	DESCRIPTION
3	rPP20 DS 24V G2	RELAY PACK WITH 0-10V DIMMING OUTPUT
1	rPODB 4S DX G2	TEACHER STATION - 4 SCENE CONTROL MASTER ON/OFF RAISE/LOWER.
1	rPODB DX G2	ON/OFF & RAISE/LOWER WALL POD
2	rCMS PDT 9 G2	OCCUPANCY and DAYLIGHT SENSOR

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)