CA TITLE 24 2019 DESIGN GUIDE

WIRELESS CLASSROOM WITH nLIGHT AIR ENABLED FIXTURES

AcuityControls™

nLIGHT AIR

SEQUENCE OF OPERATION:

LIGHTS
- ALL LIGHTS ARE DIMMABLE
- ALL FIXTURES CAN BE CONTROLLED TOGETHER OR INDEPENDENTLY
- 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
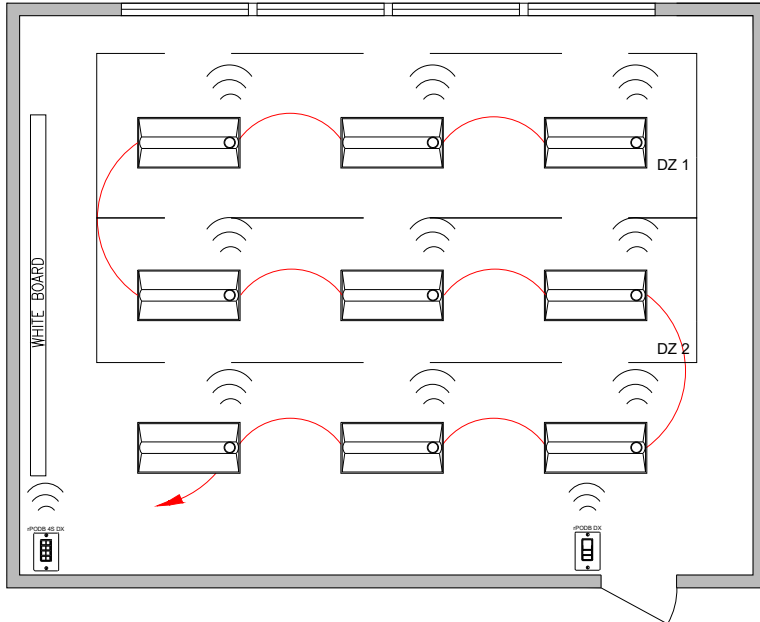
DIAGRAM LEGEND

LINE VOLTAGE WIRES

LINE POWER

BILL OF MATERIAL

QTY	PRODUCT #	DESCRIPTION
9	SEE NOTE	nLIGHT AIR ENABLED FIXTURES
1	rPODB DX G2	ON/OFF & RAISE/LOWER WALL POD
1	rPODB 4S DX G2	TEACHER STATION - 4 SCENE CONTROL MASTER ON/OFF RAISE/LOWER.

SUPPORTS THE FOLLOWING REQUIREMENTS:

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

✔ AREA CONTROL (SECTION 130.1a)

✔ MULTI-LEVEL/ DIMMING CONTROL (SECTION130.1b)

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

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

Note: Contact your local lighting agent for more information on nLight enabled fixtures