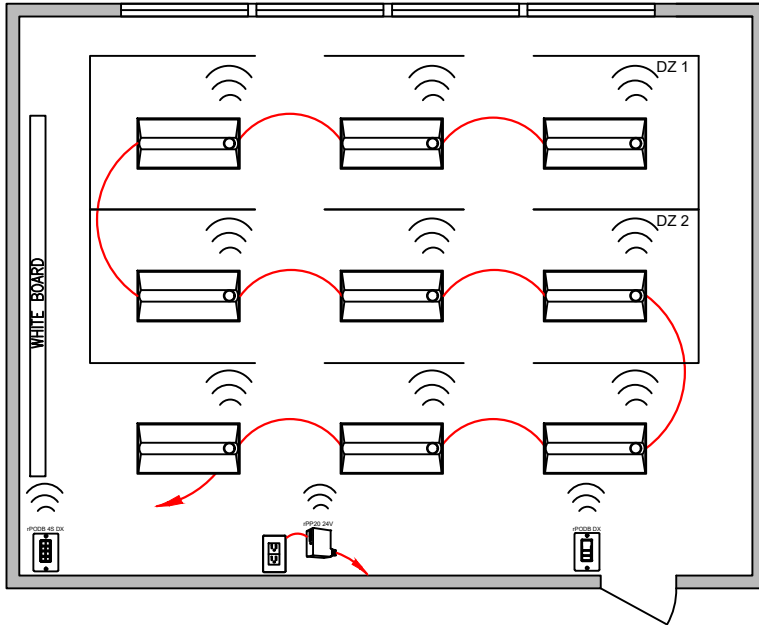


WSEC 2015 DESIGN GUIDE

WIRELESS CLASSROOM WITH nLIGHT AIR ENABLED FIXTURES



SEQUENCE OF OPERATION:

LIGHTS

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

OCCUPANCY CONTROL:

- 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 CONTROL:

- 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 CONTROL:

- 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 NETWORK CONTROL OR TIME SCHEDULES (C405.2.2.1) AND QUALIFY FOR ENHANCED DIGITAL LIGHTING CONTROLS (C406.4)
- HVAC CONTROL AVAILABLE THROUGH SYSTEM-WIDE BACNET® INTERFACE OPTION ON THE ECLYPSE CONTROLLER

DIAGRAM LEGEND	BILL OF MATERIAL		
LINE VOLTAGE WIRES	QTY	PRODUCT #	DESCRIPTION
LINE POWER	9	SEE NOTE	nLIGHT WIRELESS ENABLED FIXTURES
	1	rPODB DX G2	ON/OFF & RAISE/LOWER WALL POD
	1	rPP20 24V G2	PLUG LOAD RELAY PACK
	1	nPODM 4S DX	TEACHER STATION - 4 SCENE CONTROL MASTER ON/OFF RAISE/LOWER.

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)
- ENHANCED DIGITAL LIGHTING CONTROLS (C406.4)
- PLUG LOAD CONTROL (C405.10)

Note: Contact your local lighting agent for more information on nLight enabled fixtures. nLight enabled fixtures provide Luminaire Level Lighting Controls (LLLC), as specified in the WSEC CODE.