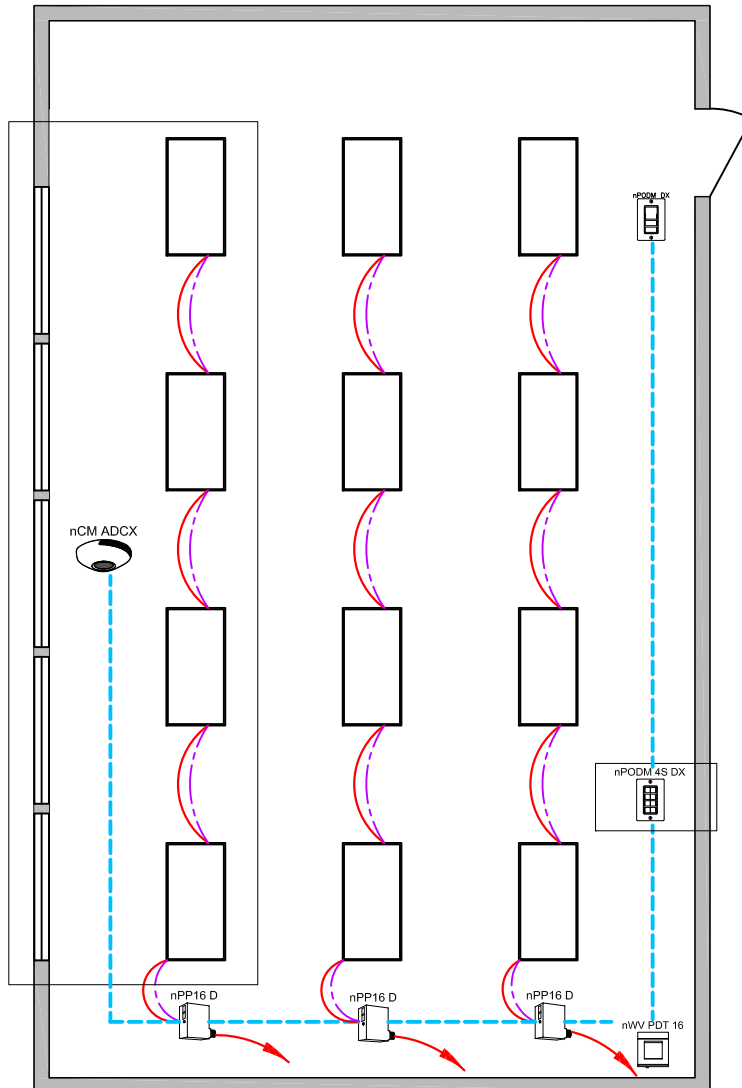
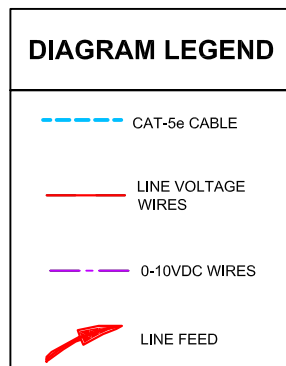


ASHRAE DESIGN GUIDE  
90.1- 2010  
CLASSROOM WITH 0-10V DIMMING FIXTURES



\* NOTE: AUTOMATIC RECEPTACLE CONTROL REQUIRED IN COMPUTER CLASSROOMS



**SEQUENCE OF OPERATION:**

**LIGHTS**

- ALL LIGHTS ARE DIMMABLE
- EACH ROW CONTROLLED INDEPENDENTLY
- MAXIMUM LEVEL CAN BE LIMITED TO 80%

**OCCUPANCY**

- LIGHTS MUST BE TURNED ON MANUALLY OR CAN BE RECONFIGURED TO BE AUTO ONTO 50%
- LIGHTS AUTOMATICALLY TURN OFF WHEN ROOM BECOMES VACANT

**DAYLIGHT**

- PROVIDES UP TO THREE DAYLIGHT ZONES, EACH CONTROLLED INDEPENDENTLY
- NOT REQUIRED IN SPACES WITHOUT SIDE LIT AREAS < 250FT<sup>2</sup>

**MANUAL**

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

**ADDITIONAL OPTIONS:**

- SURFACE OR RECESSED MOUNT SENSORS ALSO AVAILABLE
- ADD ADDITIONAL RELAY PACK (MODEL NPP16 D) IF A WHITE BOARD LIGHTING ZONE ALSO REQUIRED
- ADD GRAPHIC WALLPOD (MODEL NPOD GFX) FOR INDIVIDUAL ROW AND UP TO 16 SCENE CONTROL
- ROOM CAN BE CONNECTED TO NLIGHT BACKBONE TO ENABLE NETWORK CONTROL INCLUDING TIME BASED CONTROLS AND INTEGRATION WITH BUILDING MANAGEMENT SYSTEMS.
- FOR EMERGENCY LIGHTING CONTROL ADD A NPP16 D ER PACK.
- ADD PLUG LOAD CONTROL FOR COMPUTER CLASSROOMS.

**BILL OF MATERIAL**

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

**SUPPORTS THE FOLLOWING REQUIREMENTS:**

- ✓ FULL AUTO-OFF VIA OCCUPANCY SENSOR
- ✓ LOCAL SWITCH
- ✓ MULTI-LEVEL/ DIMMING CONTROL
- ✓ MULTI-LEVEL DAYLIGHT CONTROL