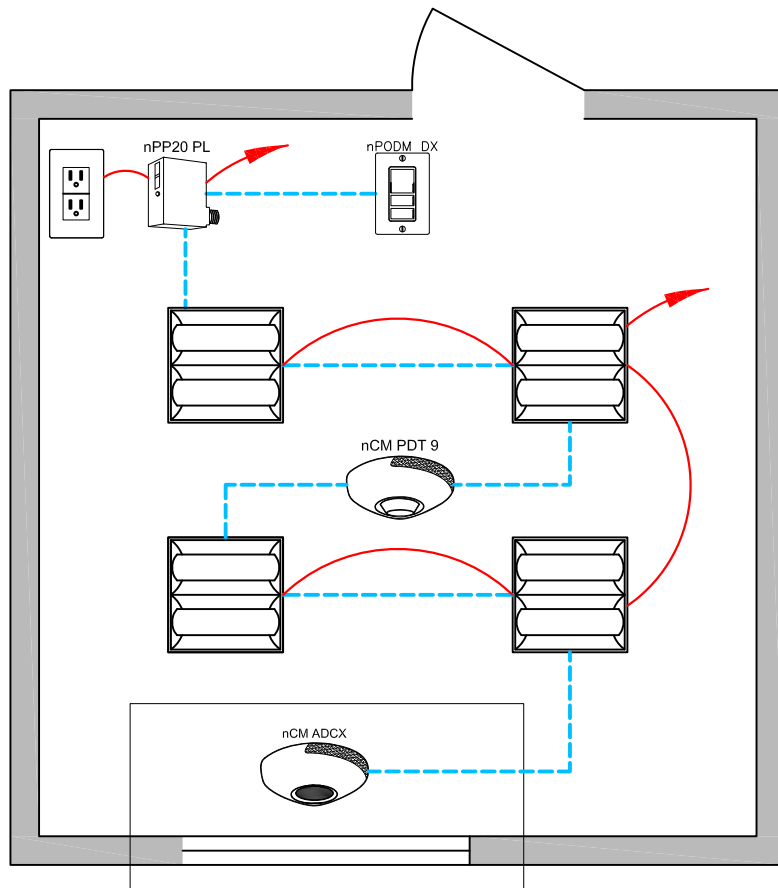


ASHRAE DESIGN GUIDE
90.1- 2010

PRIVATE OFFICE WITH nLIGHT ENABLED FIXTURES AND WINDOW(S)



*IF DAYLIGHTING IS REQUIRED, ADDITIONAL RELAY PACK(S) MAY ALSO BE REQUIRED.

SEQUENCE OF OPERATION:

LIGHTS

- ALL LIGHTS ARE DIMMABLE
- ALL FIXTURES ARE CONTROLLED TOGETHER
- MAXIMUM LEVEL CAN BE LIMITED TO 80%
- OPTIONAL AUTOMATIC LUMEN COMPENSATION

OCCUPANCY

- LIGHTS MUST BE TURNED ON MANUALLY (OR OPTIONALLY CAN BE CONFIGURED TO COME ON AUTOMATICALLY TO 50% OR 100%)
- PLUG LOAD TURNS ON AUTOMATICALLY
- LIGHTS & PLUG LOAD AUTOMATICALLY TURN OFF WHEN ROOM BECOMES VACANT

DAYLIGHT

- SMOOTH CONTINUOUS DIMMING
- CUSTOM GROUPING OF FIXTURES INTO SEPARATE DAYLIGHT ZONES (MAX. NUMBER ZONES = NUMBER OF FIXTURES)
- NOT REQUIRED FOR OFFICES WITHOUT SIDE LIT AREAS < 250FT²

MANUAL

- ON/OFF & RAISE/LOWER CONTROL OF LIGHTS

ADDITIONAL OPTIONS:

- SURFACE OR RECESSED MOUNT SENSORS ALSO AVAILABLE
- 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, ORDER FIXTURES WITH -n80EMG OR n100EMG OPTION

DIAGRAM LEGEND	
	CAT-5e CABLE
	LINE VOLTAGE WIRES
	LINE POWER

BILL OF MATERIAL		
QTY	PRODUCT #	DESCRIPTION
1	nPP16 D	RELAY MODULE WITH 0-10V DIMMING OUTPUT
1	nPP20 PL	PLUG LOAD RELAY PACK
1	nPODM DX	DUAL ON/OFF & RAISE/LOWER WALL POD
1	nCM PDT 9	DUAL TECHNOLOGY OCCUPANCY SENSOR
OPTIONS		
1	nCM ADCX	AUTOMATIC DIMMING PHOTOCELL - IF AREA FROM SIDELIGHTING IS >250 ft ²

SUPPORTS THE FOLLOWING REQUIREMENTS:

- FULL OFF VIA OCCUPANCY SENSOR
- LOCAL SWITCH
- PLUG-LOAD CONTROL
- MULTI LEVEL DAYLIGHTING CONTROL