

# CA TITLE 24 2019 DESIGN GUIDE

LOBBY WITH 0-10V DIMMING FIXTURES



nLIGHT

## 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
- PLUG LOAD TURNS OFF AUTOMATICALLY
- FIXTURES AND PLUG LOAD AUTOMATICALLY TURN OFF WHEN ROOM BECOMES VACANT

### DAYLIGHT

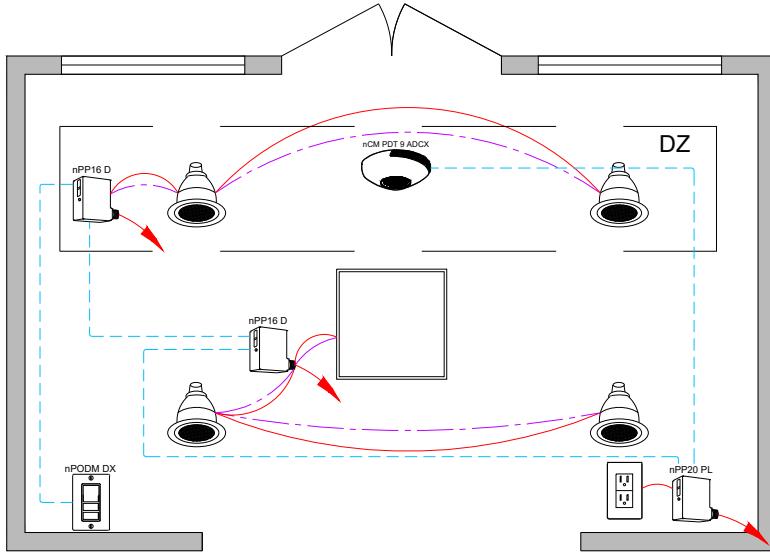
- NOT REQUIRED IF ROOM HAS <24 FT<sup>2</sup>. OF GLAZING OR LIGHTING LOAD < 120W IN THE SKYLIT AND THE SIDELIT DAYLIT ZONE
- SMOOTH CONTINUOUS DIMMING
- DAYLIGHT ZONES DEFINED BY RELAY PACKS

### MANUAL

- ON/OFF & RAISE/LOWER CONTROL OF FIXTURES

### 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

- - - - CAT-5e CABLE
- LINE VOLTAGE WIRES
- - - - 0-10VDC WIRES
- ➔ LINE FEED

## BILL OF MATERIAL

QTY	PRODUCT #	DESCRIPTION
2	nPP16 D	RELAY MODULE WITH 0-10V DIMMING OUTPUT
1	nPODM DX	ON/OFF & RAISE/LOWER WALL POD
1	nCM PDT 9 ADCX	DUAL TECHNOLOGY OCCUPANCY AND DAYLIGHT SENSOR
1	nPP20 PL	PLUG LOAD RELAY PACK

## SUPPORTS THE FOLLOWING REQUIREMENTS:

- ✓ FULL /PARTIAL 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)
- ✓ MULTI-LEVEL DAYLIGHT CONTROL (SECTION 130.1d)