

OFFICE SOLUTION GUIDE

PRIVATE OFFICE 10'X12', 8'-6" CEILING HEIGHT, WITH WINDOW, AND nLIGHT ENABLED LUMINAIRES



DESIGN NOTES:

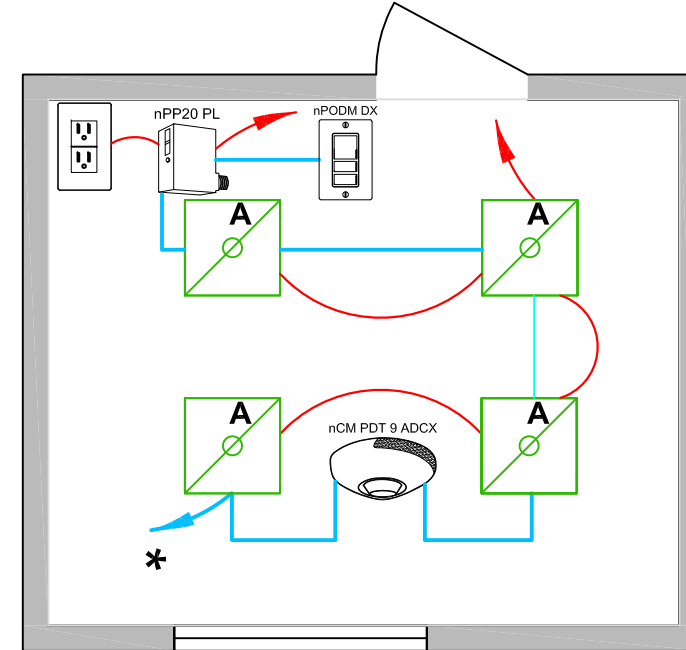
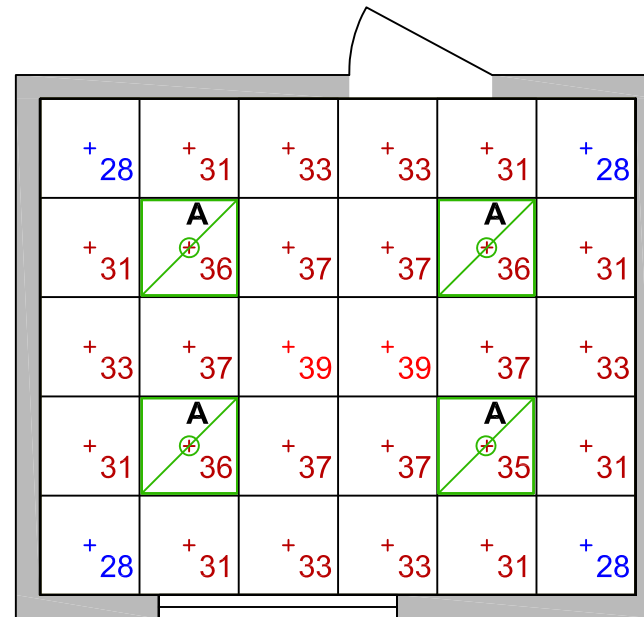
LIGHTING LEVELS ARE CALCULATED BASED ON LUMINAIRES MOUNTED AT LISTED CEILING HEIGHT AND WORKING SURFACE AT 2'-6" ABOVE FINISHED FLOOR (AFF).

REFLECTANCES ARE 80/50/20 PER IESNA RP-1-12 TARGET (VDT SCREEN/KEYBOARD TASK) 30 FOOT CANDLES.

TOTAL LIGHT LOSS FACTOR(LLF) OF .95 HAS BEEN USED FOR THIS CALCULATION.

THE VISUAL FILE FOR THIS TYPICAL CAN BE FOUND AT;
<http://www.acuitybrands.com/resources/tools-and-documents/typicals>

TO MAKE ADJUSTMENTS FOR ROOM SIZE, CEILING HEIGHT, REFLECTANCE OR WORK SURFACE, USE THE VISUAL INTERIOR TOOL AVAILABLE AT;
<https://www.visual-3d.com/tools/interior/>



SEQUENCE OF OPERATION:

LUMINAIRES
 - ALL LUMINAIRES ARE DIMMABLE
 - ALL LUMINAIRES ARE CONTROLLED TOGETHER
 - MAXIMUM LEVEL CAN BE LIMITED TO 80%

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

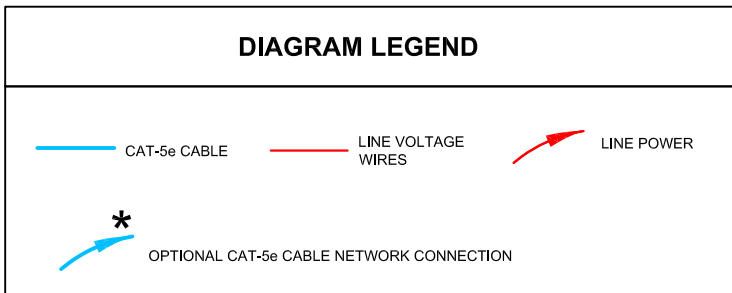
DAYLIGHT
 - SMOOTH CONTINUOUS DIMMING
 - CUSTOM GROUPING OF LUMINAIRES INTO SEPARATE DAYLIGHT ZONES (MAX. NUMBER ZONES = NUMBER OF LUMINAIRES)
 - NOT REQUIRED IF TOTAL LUMINAIRE IS < 120W

MANUAL
 - ON/OFF & RAISE/LOWER CONTROL OF LUMINAIRES

COMPLIES WITH:

- IES RECOMMENDATIONS
- CALIFORNIA TITLE 24
- ASHRAE 90.1 2010
- IECC 2012

| STATISTICS | | | | | | | |
|------------|---------|---------|---------|---------|-------------|------------------------|------------------------|
| AVG. FC | MAX. FC | MIN. FC | MAX/MIN | AVG/MIN | TOTAL WATTS | AREA | POWER DENSITY |
| 33 fc | 39 fc | 28 fc | 1.4 : 1 | 1.2 : 1 | 81.92 | 120.00 FT ² | 0.68 W/FT ² |



* ADDITIONAL OPTIONS:

- SURFACE OR RECESSED MOUNT SENSORS ALSO AVAILABLE
- ROOM CAN BE CONNECTED TO nLIGHT BACKBONE TO ENABLE NET-WORK CONTROL OR ADR (AUTOMATIC DEMAND RESPONSE)
- FOR EMERGENCY LIGHTING CONTROL ADD A NPP16 D ER PACK.

COMPLIES WITH:

- FULL AUTO-OFF VIA OCCUPANCY SENSOR (SECTION 130.1c)
- LOCAL SWITCH (SECTION 130.1a)
- PLUG-LOAD CONTROL (SECTION 130.5d)
- MULTI-LEVEL/ DIMMING CONTROL (SECTION 130.1b)
- AUTOMATIC DEMAND RESPONSE (ADR) READY (SECTION 130.1e)
- MULTI-LEVEL DAYLIGHT CONTROL (SECTION 130.1d)

| LUMINAIRE & CONTROL SCHEDULE | | | | | |
|------------------------------|----------|-----|----------------------------------|---|---------|
| SYMBOL | LABEL | QTY | CATALOG # | DESCRIPTION | WATTAGE |
| | A | 4 | Lithonia 2FSL2 20L EZ1 LP840 N80 | 2x2 2000 Lumens, 4000K, nLight Enabled Luminaire | 20.48 |
| | | 1 | nLight nPP20 PL | Plug Load Relay Pack | |
| | | 1 | nLight nPODM DX | On/Off & Raise Lower Wall Station | |
| | | 1 | nLight nCM PDT 9 ADCX | Dual Technology Occupancy Sensor With Automatic Dimming Photocell | |