

# OFFICE SOLUTION GUIDE

PRIVATE OFFICE 10'X12', 11'-0" CEILING HEIGHT, WITH WINDOW, AND nLIGHT ENABLED LUMINAIRES



## DESIGN NOTES:

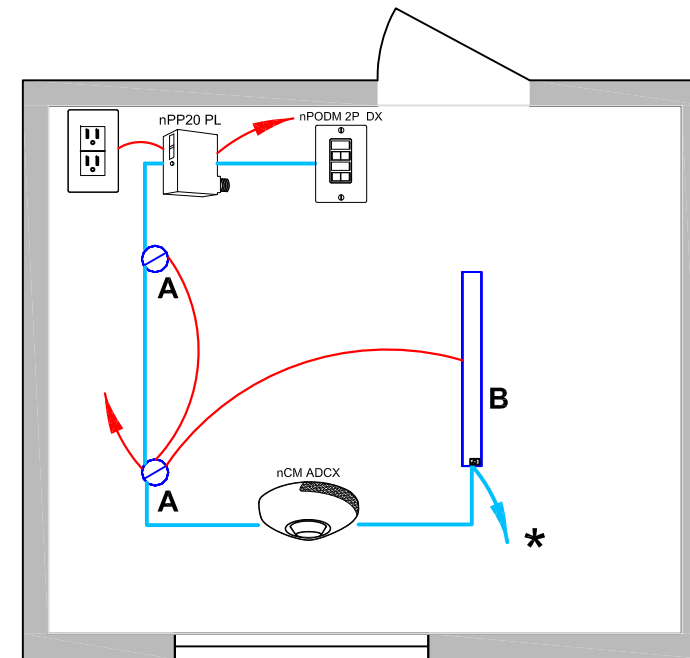
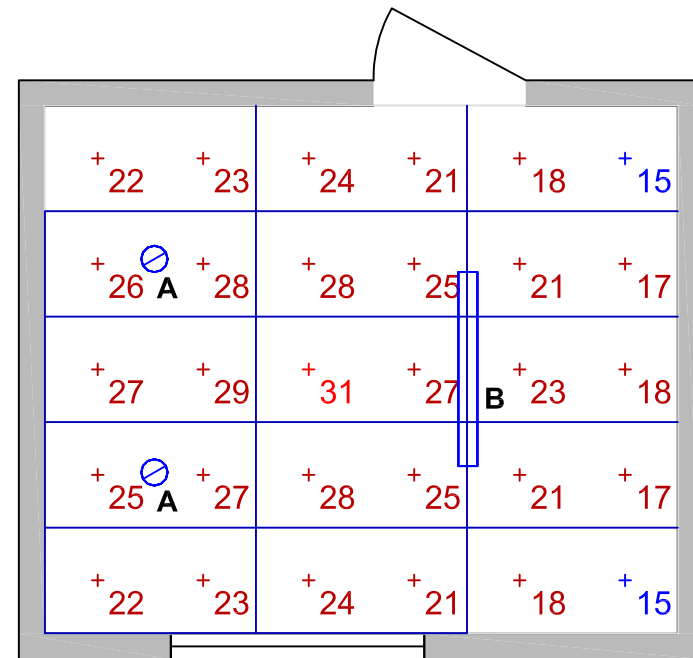
LIGHTING LEVELS ARE CALCULATED BASED ON LUMINAIRES MOUNTED AT LISTED CEILING HEIGHT AND WORKING SURFACE AT 2'-6" ABOVE FINISHED FLOOR (AFF).

REFLECTANCES ARE 80/50/20 PER IESNA RP-3-13 TARGET (HARDCOPY & WRITING TASK) 20 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

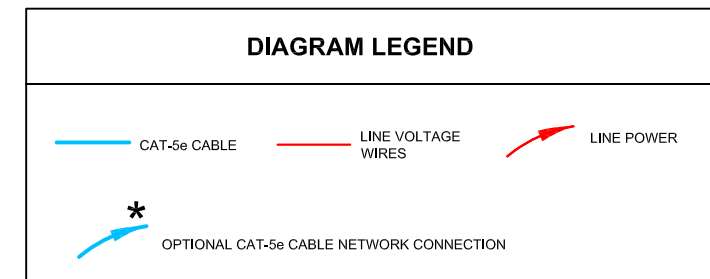
**DAYLIGHT**  
 - SMOOTH CONTINUOUS DIMMING  
 - CUSTOM GROUPING OF LUMINAIRES INTO SEPARATE DAYLIGHT ZONES (MAX. NUMBER ZONES = NUMBER OF LUMINAIRES)  
 - NOT REQUIRED IF TOTAL LUMINAIRE IS < 120W

**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
23 fc	31 fc	15 fc	2.1 : 1	1.5 : 1	80.26	120.00 FT <sup>2</sup>	0.67 W/FT <sup>2</sup>



## \* 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	2	Gotham EVO 35/10 6AR LSS MVOLT EZ1 NPS80EZ	6" Open Downlight 1000 Lumens, 3500K, Clear Semi-specular Finish, nLight Enabled Luminaire	18.4
	B	1	Peerless BRM9L HI 40/60 SSH 4FT R4 277 SCT ENNB MSD7NL DSCNL LMES20 LP835 F1/24 ACG C210	Direct-Indirect (40% up/60% down) Suspended Linear 4800 Lumens, 3500K, nLight Enabled Luminaire with Integrated Sensor	43.8
		1	nLight nPP20 PL	Plug Load Relay Pack	
		1	nLight nPODM 2P DX	2 Pole On/Off & Raise Lower Wall Station	
		1	nLight nCM ADCX	Ceiling Mounted Automatic Dimming Photocell	