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 0.85/0.20 PER USENA RP-3-13 TARGET HARDCOPY & WRITING TASK 20 FOOT CANDLES.

TOTAL LIGHT LOSS FACTOR (FLF) OF .55 HAS BEEN USED FOR THIS CALCULATION.


TO MAKE ADJUSTMENTS FOR ROOM SIZE, CEILING HEIGHT, REFLECTANCE OR WORK SURFACE, USE THE VISUAL INTERIOR TOOL AVAILABLE AT: https://www.acuitybrands.com/tools/interior.

STATISTICS

<table>
<thead>
<tr>
<th>AVG. FC</th>
<th>MAX. FC</th>
<th>MIN. FC</th>
<th>LUMIN.</th>
<th>RECOMMEND</th>
<th>TOTAL WATTS</th>
<th>AREA</th>
<th>POWER DENSITY</th>
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<tbody>
<tr>
<td>59.7</td>
<td>69.1</td>
<td>14.6</td>
<td>73.1</td>
<td>13.1</td>
<td>5329</td>
<td>532</td>
<td>1.03 FT^2</td>
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DIAGRAM LEGEND

- CAT5E CABLE
- LINE VOLTAGE
- L1P POWER
- OPTIONAL CAT5E CABLE NETWORK CONNECTION

ADDITIONAL OPTIONS:

- SURFACE OR RECESSED MOUNT SENSORS ALSO AVAILABLE
- ROOM CAN BE CONNECTED TO NIGHT BACKBONE TO ENABLE NETWORK CONTROL OR ADP (AUTOMATIC DEMAND RESPONSE)
- FOR EMERGENCY LIGHTING CONTROL ADD A NEPI RED PADD

LUMINAIRE & CONTROL SCHEDULE

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>LABEL</th>
<th>QTY</th>
<th>CATALOG #</th>
<th>DESCRIPTION</th>
<th>WATTAGE</th>
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<tbody>
<tr>
<td>A</td>
<td>1</td>
<td>1</td>
<td>EV3 3X10 WARRIORS NYMOLTS 5217F #98012</td>
<td>9” x 36 Downlight 1000 Lumens, 3900K, Clear Bimetallic Finish, nLight Enabled Luminaires</td>
<td>19.6</td>
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<tr>
<td>B</td>
<td>1</td>
<td>1</td>
<td>SP430 5000K 4040-3X10 471 472</td>
<td>47” x 1200 Luminaire, 4000K, Light Enabled Luminaire with Integrated Sensor</td>
<td>43.6</td>
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<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>nLight nHPF2 PL</td>
<td>Plug Load Relay Pack</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>nLight nFCB2P 360</td>
<td>2-Pole On/Off &amp; Rolo Lower Volt Switch</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>nLight nOM AEC2X</td>
<td>Ceiling Mounted Automatic Dimming Control</td>
<td></td>
</tr>
</tbody>
</table>

COMPLIES WITH:

- RECOMMENDATION
- CALIFORNIA TITLE 24
- ENERGY STAR 2012
- EED 2012
- ADP

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 LOADS TURN ON AUTOMATICALLY (LUMINAIRES & PLUG LOADS AUTOMATICALLY TURN OFF WHEN ROOM BECOMES VACANT)

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

- MANUAL
  - ON/OFF & VIBRATO CONTROL OF LUMINAIRES

- ADDITIONAL OPTIONS
  - SURFACE OR RECESSED MOUNT SENSORS ALSO AVAILABLE
  - ROOM CAN BE CONNECTED TO NIGHT BACKBONE TO ENABLE NETWORK CONTROL OR ADP (AUTOMATIC DEMAND RESPONSE)
  - FOR EMERGENCY LIGHTING CONTROL ADD A NEPI RED PADD

COMPLIES WITH:

- FULL AUTOMATION VIA OCCUPANCY SENSORS (SECTION 17.25.6)
- LOCAL SWITCH (SECTION 17.25.4)
- PLUG LOAD CONTROL (SECTION 17.5.3)
- MULTIPLE EER/DRIVING CONTROL (SECTION 17.5.6)
- AUTOMATIC SHADING (SECTION 17.5.6)
- MULTIPLE EER/DRIVING CONTROL (SECTION 17.5.6)
- AUTOMATIC DAY LIGHT CONTROL (SECTION 17.5.6)