

SPECIFICATION DATA  
NOTCH 1 PATTERN (NN1P)

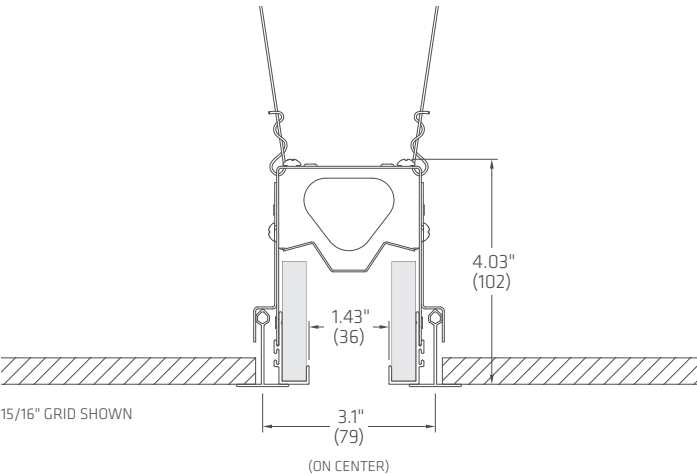
CATALOG #

PROJECT

NOTES

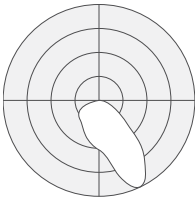
(D2) DRYWALL TRIMLESS WITH (LC) CORNER

CROSS SECTION

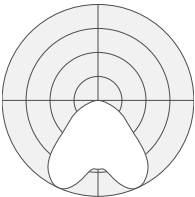


DISTRIBUTIONS

Area Asymmetric (NN1-A)



Area Symmetric (NN1-B)



PERFORMANCE FOCUS

Area Symmetric, 80 CRI 4000 K (NN1-Bx40)

|                          |   | Energy<br>(W/ft)       | Light<br>(lm/ft) | Efficacy<br>(lm/W) |
|--------------------------|---|------------------------|------------------|--------------------|
| Symmetric<br>only        | A | 4.5 W                  | 400              | 99                 |
|                          | B | 5.5 W                  | 525              | 98                 |
|                          | C | 7 W                    | 650              | 96                 |
|                          | D | 8.5 W                  | 800              | 95                 |
| Color Matching<br>(SDCM) |   | Lumen Maintenance (hr) |                  |                    |
|                          |   | L90 per TM21           | L70 Estimate     |                    |
| < 2                      |   | > 60,000               | > 200,000        |                    |

Nominal values, refer to back pages for full performance data.

FEATURES

- 1.5" aperture, open design with fully luminous interior. No horizontal lenses or diffusers.
- Recessed companion to Profile Mini suspended, smaller scale version of Notch 2.
- Anidolic optics provide shielded, precisely controlled optical distributions, for low glare and wide row spacing.
- Up to 12 ft oc. spacing, delivering 40 fc at less than 0.4 W/ft<sup>2</sup>.
- Length increments of 1' in drywall or 2' in T-grid ceilings.
- L-Corner module enables square, rectangular and open patterns.
- Extruded aluminum trims simplify installation and help installers to achieve precise fit and finish.
- Optional Dado and Capsule drywall endcaps create a unique boundary for a continuous line of light.



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PATTERN CATALOG #

NOTE: Some options, such as Battery Packs and Alternative Wiring are shown per side.

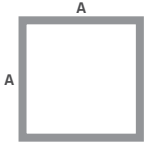
PATTERN CORNER

PATTERN SIDES

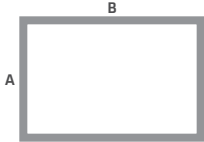
PATTERNS

For patterns, design your own layout using the trim and corner options available or choose from our predefined shapes for simpler specification.

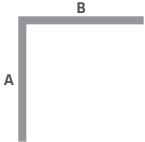
NOTE: Minimum corner to corner length – 4 ft in drywall (4' x 4' square) | 6 ft in grid (6' x 6' square).



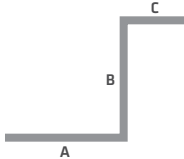
P0 – SQUARE



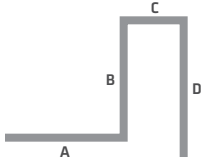
P1 – RECTANGLE



P2 – 2 SIDES | 1 CORNER



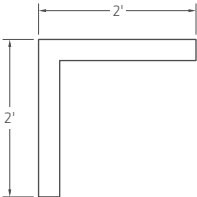
P3 – 3 SIDES | 2 CORNERS



P4 – 4 SIDES | 3 CORNERS

CORNER

A corner fixture can be used as a standalone shape or in combination with straights to create illuminated ceiling designs and patterns of light.



L CORNER (LC)

SPECIFICATION DATA  
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## ORDER GUIDE

| 1          | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | OPTIONS | CONTROLS |
|------------|---|---|---|---|---|---|---|---|---------|----------|
| <b>NN1</b> |   |   |   |   |   |   |   |   |         |          |

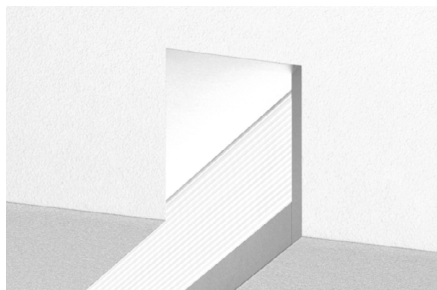
| 1          | FAMILY       | 2  | VERSION                    | 3         | TRIM / CEILING  | 4        | DISTRIBUTION | 5        | ENERGY <sup>2</sup>   |
|------------|--------------|--|----------------------------|-----------|---|----------|--------------|----------|---|
| <b>NN1</b> | Notch 1 Area | <b>L</b>   | Linear Row (incl. Endcaps) | <b>D1</b> | Drywall – Trim Flange                                       | <b>A</b> | Asymmetric   | <b>A</b> | 4.5 W/ft  |
|            |              | <b>R</b>   | Joiner Side/Corner         | <b>D2</b> | Drywall – Trimless  | <b>B</b> | Symmetric    | <b>B</b> | 5.5 W/ft  |
|            |              | <b>PATTERN <sup>1</sup></b>                              |                            | <b>G1</b> | Grid – 9/16" or 15/16" Flat-T<br>9/16" Tegular or Bolt-Slot |          |              | <b>C</b> | 7 W/ft <sup>3</sup>   |
|            |              | <b>P0</b>  | Square                     |           |   |          |              | <b>D</b> | 8.5 W/ft <sup>3</sup>   |
|            |              | <b>P1</b>  | Rectangle                  |           |   |          |              |          |   |
|            |              | <b>P2</b>  | 2 Sides   1 Corner         |           |   |          |              |          |   |
|            |              | <b>P3</b>  | 3 Sides   2 Corners        |           |   |          |              |          |   |
|            |              | <b>P4</b>  | 4 Sides   3 Corners        |           |   |          |              |          |   |
|            |              | <b>P5</b>  | 5 Sides   4 Corners        |           |   |          |              |          |   |
|            |              | <sup>1</sup> Other patterns available, consult Fluxwerx. |                            |           |   |          |              |          | <sup>2</sup> Nominal input power/ft.<br>Add 1W/ft for BP or 347V.<br><sup>3</sup> C,D: Symmetric (B) distribution only. |

| 6         | CRI-CCT       | 7   | DRIVER                              | 8        | VOLTAGE            | 9   | LENGTH  |
|-----------|---------------|---|-------------------------------------|----------|--------------------|---|---|
| <b>30</b> | 80 CRI 3000 K | <b>F1</b>   | Non-Dim                             | <b>M</b> | 120-277 V          | <b>XX</b>   | Length in ft (min 2 ft)<br>Drywall – 1ft increments<br>Grid – 2 ft increments<br>(for 1ft consult Fluxwerx) |
| <b>35</b> | 80 CRI 3500 K | <b>F2</b>   | 0-10 V Dim 3%                       | <b>1</b> | 120 V <sup>4</sup> | <b>CORNERS</b><br><b>LC</b> L Corner (Flat 2'x2') |   |
| <b>40</b> | 80 CRI 4000 K | <b>F4</b>   | Line Voltage Dim (Fwd/Rev) 3% 120 V | <b>2</b> | 277 V <sup>4</sup> |   |   |
| <b>93</b> | 90 CRI 3000 K | <b>E1</b>   | eldoLED ECO 0-10 V Dim 1%           | <b>3</b> | 347 V <sup>5</sup> |   |   |
| <b>90</b> | 90 CRI 3500 K | <b>E2</b>   | eldoLED SOLO 0-10 V Dim 0.1%        |          |                    |   |   |
| <b>94</b> | 90 CRI 4000 K | <b>E3</b>   | eldoLED ECO DALI-2 DT6 Dim 1%       |          |                    |   |   |
|           |               | <b>E4</b>   | eldoLED SOLO DALI-2 DT6 Dim 0.1%    |          |                    |   |   |
|           |               | <b>L1</b>   | Lutron Hi-Lume 1% EcoSystem (LDE1)  |          |                    |   |   |
|           |               | <sup>4</sup> Fixed 120 or 277V for (F4) Line Dim Driver or nLight controls.<br><sup>5</sup> 347V transformer. |                                     |          |                    |   |   |

| OPTIONS  |  | CONTROLS  |   |
|--|--|---|---|
| WIRING & EMERGENCY   | LAYOUT & FINISH  | TYPE & LOCATION <sup>10</sup>   | BRAND & PROTOCOL <sup>10</sup>                  |
| <b>A#</b> Alternate Wiring Module Qty<br>(Two 4 ft circuits in 8 ft module for EM, NL or AV switching) | <b>C</b> Chicago CCEA                                    | <b>R</b> Remote Sensor / Controller on Ceiling  | <b>N1</b> Acuity nLight Wired <sup>11</sup>     |
| <b>B#</b> Battery Pack Qty <sup>6</sup>  | <b>E</b> Dado Endcap <sup>8</sup>                        | <b>V</b> Controller on Housing / Plenum Side  | <b>N3</b> Acuity nLight Air RPP20 <sup>11</sup> |
| <b>F</b> 6' Flex Whip (in first module)  | <b>K</b> Black Trim & Endcap                             |   | <b>E1</b> Enlighted Smart Sensor <sup>12</sup>  |
| <b>H#</b> Emergency Switch Qty <sup>6,7</sup><br>(GTD or Controller)                                   | <b>P</b> Capsule Endcap <sup>9</sup>                     |   | <b>L1</b> Lutron Athena Wireless                |
| <b>T</b> Throughwire Circuit   |  |   | <b>M1</b> LeGrand Encelium X / SensiLum         |
|  |  |   | <b>V1</b> Leviton Intellect Wireless            |
| <sup>6</sup> BP/GTD: For 120-277 V, linear 4 ft or 8 ft modules.                                       | <sup>8</sup> Dado End: D2 trim, only one end by default. | <sup>10</sup> Controls selection may be limited by version, protocol or other features – see Controls page. | <sup>11</sup> Controller (V) only.              |
| <sup>7</sup> GTD not compatible with (F4) Line Dim driver.   | <sup>9</sup> Capsule End: D2 only.                       |   | <sup>12</sup> Sensor/Controller (R) only.       |

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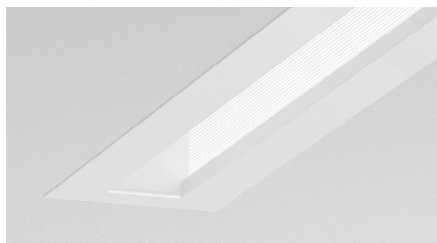
**PRODUCT DETAILS**



VERTICAL ANIDOLIC OPTIC

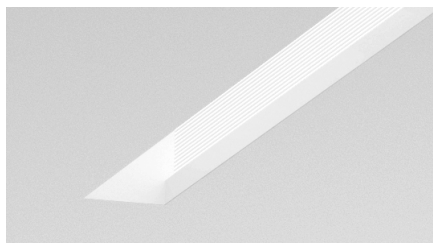
**CEILINGS & TRIM**

**DRYWALL TRIM**

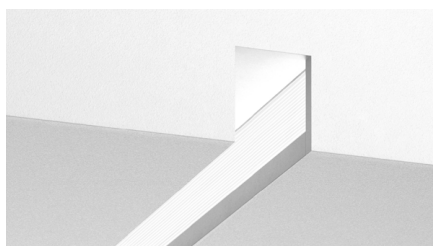


D1 – DRYWALL TRIM FLANGE

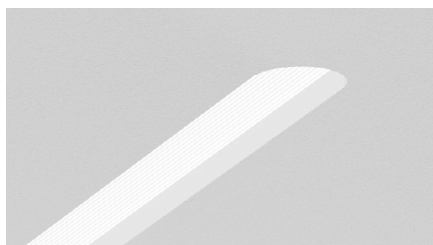
**DRYWALL TRIMLESS**



D2 – DRYWALL TRIMLESS



E – DADO ENDCAP (OPTIONAL)



P – CAPSULE ENDCAP (OPTIONAL)

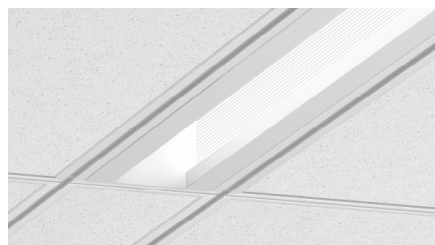
**GRID**



G1 – 9/16" GRID FLAT T

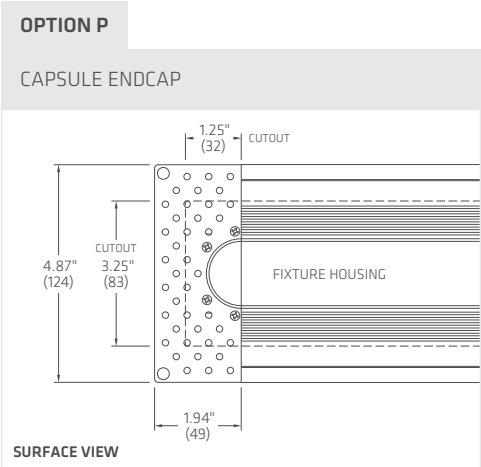
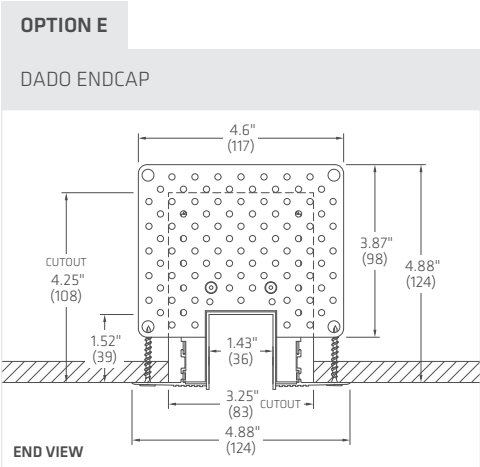
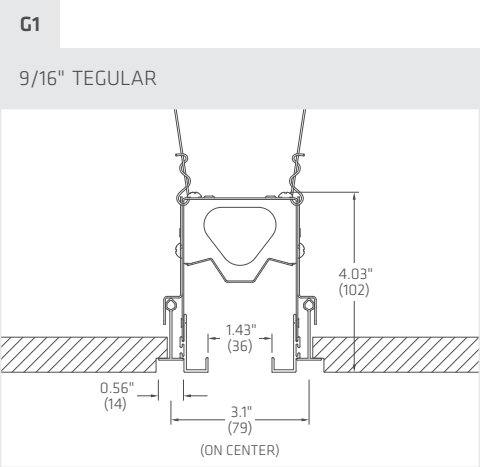
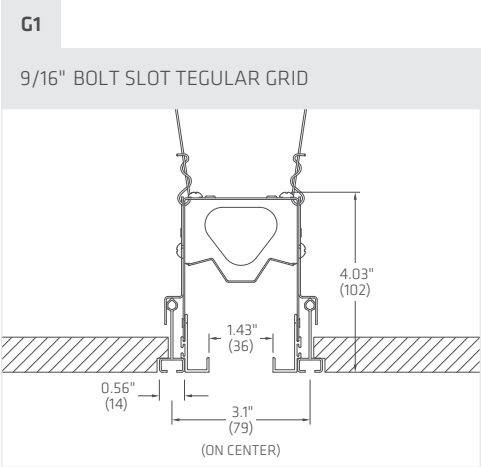
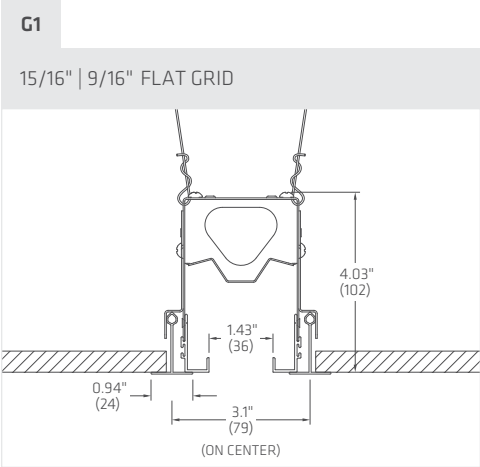
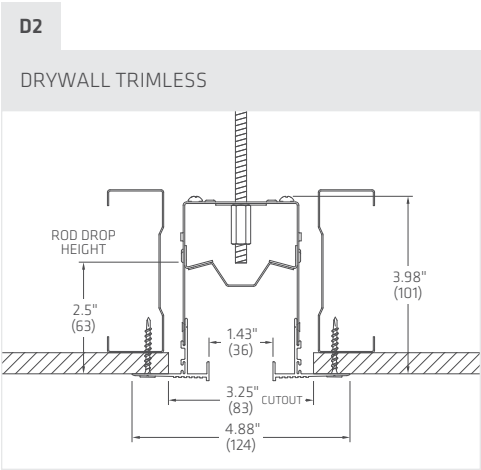
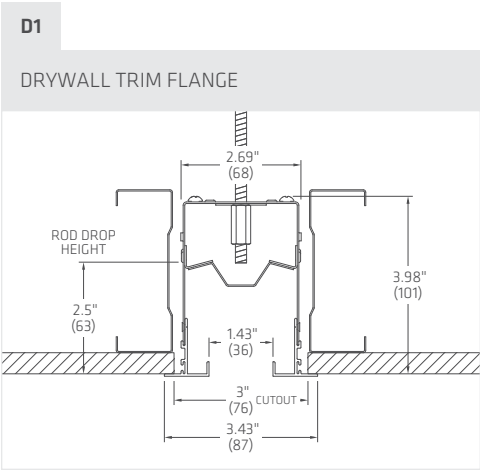


G1 – 15/16" GRID FLAT T



G1 – 9/16" TEGULAR | SLOT GRID

DIMENSIONS



LINEAR ROWS & FIXTURES

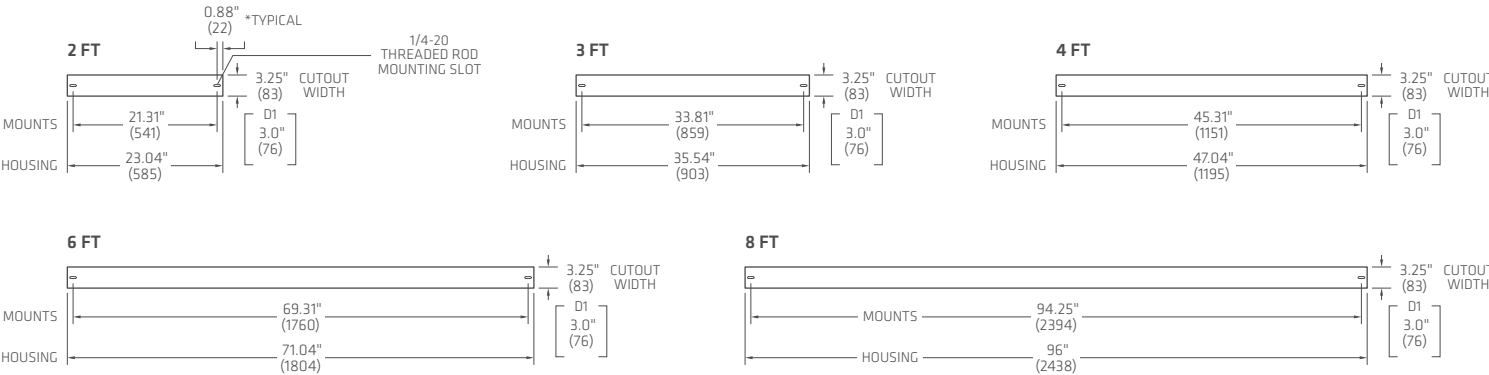
Continuous rows are available in nominal 1' increments in drywall ceilings and in 2' increments on-grid for T-bar ceilings. Standalone fixtures are available in 2', 3', 4', 6', or 8' sizes.



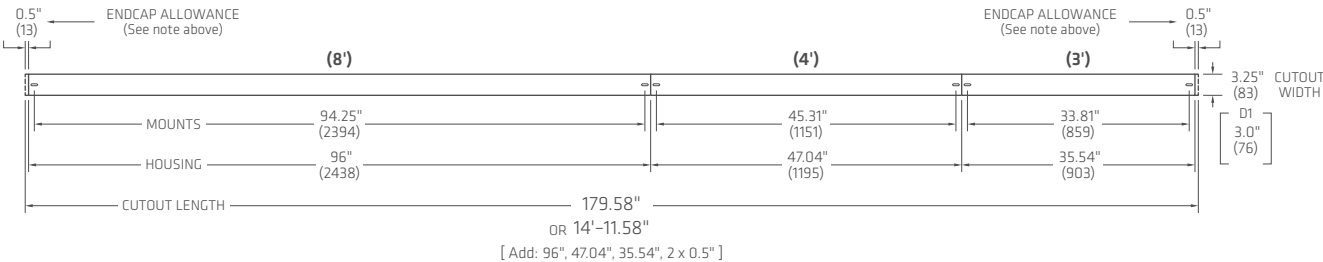
NOTE: Run lengths are nominal and vary with ceiling condition and trim selections.

DRYWALL CUTOUT DIMENSIONS

To determine the overall drywall ceiling cutout length, add an endcap allowance to each end of a straight run, as follows: Standard flat endcap (D1-D4) – 1/2"; Capsule endcap – 1-1/4"; Dado endcap – 3/16".



EXAMPLE OF A DRYWALL CUTOUT FOR A 15' RUN



INSTALLATION NOTES

- Cutout dimensions apply to all drywall trim options.
- A minimum depth of 4.25" above the ceiling plane is required.
- Threaded rod or lag bolt mounting is required for ceiling installations only:
  - Ensure 1/4-20 threaded rod length is cut between 2.25" – 2.75" above finished ceiling plane.
  - 2 threaded rods required for each linear housing.

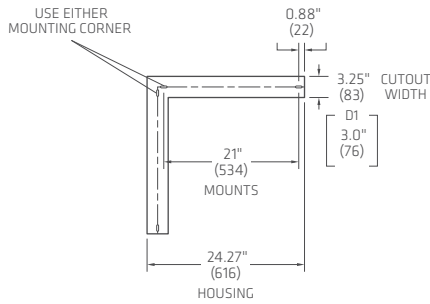
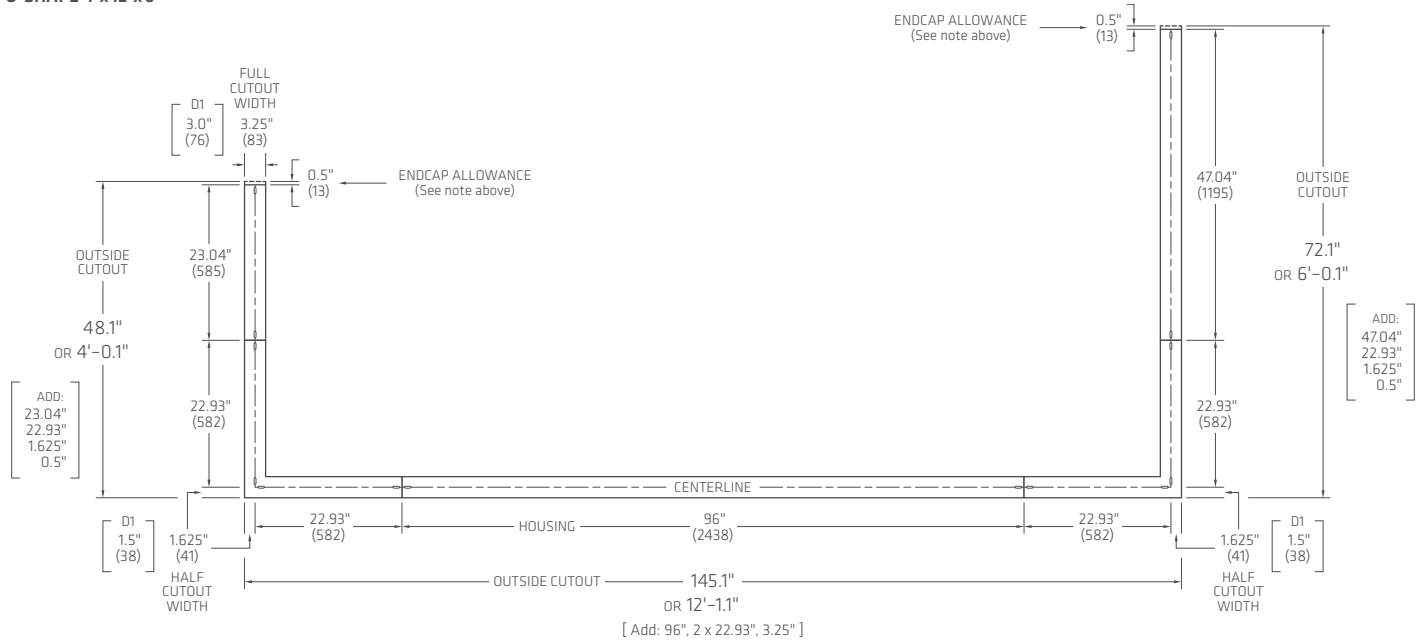
SPECIFICATION DATA  
NOTCH 1 PATTERN (NN1P)

## DRYWALL CUTOUT DIMENSIONS – PATTERNS

To determine the overall drywall ceiling cutout length, add an endcap allowance to the termination legs of an open pattern, as follows:  
Standard flat endcap (D1-D4) – 1/2"; Capsule endcap – 1-1/4"; Dado endcap – 3/16".

For corner legs of a pattern, DO NOT add an endcap allowance. Instead, use centerline dimensions and the relevant trim cutout width to determine the opening.

## CORNER (LC)

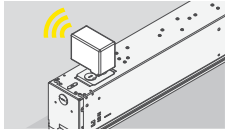
EXAMPLE DRYWALL PATTERN CUTOUT:  
(P3) U-SHAPE 4'x12'x6'

## INSTALLATION NOTES

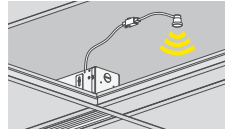
- Cutout dimensions apply to all drywall trim options.
- A minimum depth of 4.25" above the ceiling plane is required.
- For patterns, squares and rectangles, use centerline dimensions with trim cutout width to determine the opening.
- Threaded rod or lag bolt mounting is required for ceiling installations only:
  - Ensure 1/4-20 threaded rod length is cut between 2.25" – 2.75" above finished ceiling plane.
  - 2 threaded rods required for each linear housing, 3 for a corner.

## CONTROLS &amp; SENSORS

## LUMINAIRE INTEGRATION



**V**  
Controller,  
Enclosure/Plenum Side

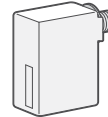


**R**  
Sensor,  
Remote/on Ceiling

**(N1)** Acuity  
nLight Wired



nLight wired, digital network.  
Model: nPS-80-EZ or nPS-80-EZ-ER  
(with **H** – Emergency Switching)

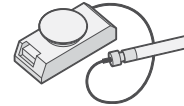


**VN1** nLight Wired Controller, Enclosure/Plenum Side

**(N2, N3)** Acuity  
nLight Air



Acuity nLight wireless network interfaces.  
Models: r10, rPP20

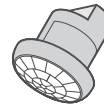


**VN3** nLight rPP20 Controller, Enclosure/Plenum Side

**(E1)** Siemens  
Enlighted



Siemens Enlighted wireless smart  
sensor-controllers.  
Model: SU-5E-CL



**RE1** Enlighted Smart Sensor, Remote/on Ceiling

**(L1)** Lutron  
Athena



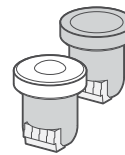
Lutron Athena wireless smart controllers  
& sensors.

Models: A-WN-D01-RF, A-WN-D01-OCC

For YL1 and SL1:  
Default Athena color to match fixture/canopy color

|        |        |
|--------|--------|
| Canopy | Athena |
| WH     | WH     |
| SV     | BK     |
| BK     | BK     |

For VL1 and RL1: default WH



**VL1** Athena Controller, Enclosure/Plenum Side

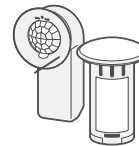
**RL1** Athena Sensor, Remote/on Ceiling

**(M1)** Legrand  
Encelium X



Encelium X wireless smart controllers  
& sensors.

Models: ZBHA-CLM, EN-CLM-PIR



**VM1** X Control Module, Enclosure/Plenum Side

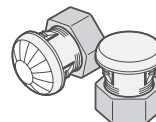
**RM1** SensiLUM Sensor, Remote/on Ceiling

**(V1)** Leviton  
Intellect



Leviton Intellect wireless smart controllers  
& sensors.

Models: ZL0x0, ZL0xS



**VV1** Intellect Controller, Enclosure/Plenum Side

**RV1** Intellect Sensor, Remote/on Ceiling

Ask us about...

Wattstopper®

Pass & Seymour®

FATON

DISTECH  
CONTROLS

CRESTRON

CASAMBI

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Due to continuous product improvements, specifications and dimensions are subject to change without notice.

Certain options have limited compatibility with some other product selections. Consult www.fluxwerx.com for most current technical information.



## SPECIFICATION DATA

### NOTCH 1 PATTERN (NN1P)

#### NOTES

##### CONSTRUCTION

- 20 ga. satin coat steel housing
- Extruded aluminum flange options available for drywall trim, trimless and T-bar grid ceilings
- White powdercoat or optional black trim

##### OPTICAL

- Anidolic optical structures with linear light extraction elements
- Precision extruded high transmittance clear acrylic lenses
- Long life mid-flux LED system designed for typical TM21 lumen maintenance  $\geq$  L90 @ 60,000 h
- Available in 3000 K, 3500 K, 4000 K with CRI  $\geq$  80 and R9  $\geq$  0, or CRI  $\geq$  90 and R9  $\geq$  50, all with color accurate binning  $\leq$  2 SDCM

##### ELECTRICAL

- Integral high efficiency multivolt drivers, for 50–60 Hz 120–277 V or 347 V
- Power Factor  $> 0.90$
- Total Harmonic Distortion  $< 20\%$
- Dim level: Standard 3%, optional 1% or 0.1%
- Surge Protection: Meets ANSI C82.11 spec and ANSI/IEEE C62.41
- Inrush Current: Meets NEMA 410

##### EMERGENCY

- Optional Battery Pack delivers 10 W Class 2 rated output for 90 min. Use 12 W input energy to estimate emergency flux, typically 1000–1200 lm (@ 90–100 lm/W).
- Optional GTD (Generator Transfer Switch), 120–277 V, disables 0–10 V control during emergency for full light output

##### ENVIRONMENTAL & CARE

- Designed for use in dry or damp indoor locations with ambient temperatures of 0–30°C (32–86°F)
- The luminaire may be damaged by chemicals such as chlorine, solvents, ammonia, alcohol or sulfur in the area of operation or in cleaning products. Damage from contaminants is not covered under warranty.
- Not suitable for natatorium environments, e.g. swimming pools, hot tubs and saunas.
- Clean only by wiping with a slightly water-damp, soft, clean cloth.

##### WEIGHT

- Maximum 3.5 lb/ft (5.2 kg/m) with standard driver
- Maximum 3.7 lb/ft (5.5 kg/m) with battery pack or 347 V transformer

##### WARRANTY

- 5 year limited warranty on all components and workmanship

##### INDEPENDENT TESTING




- IESNA LM79
- IESNA LM80 (LED @ 9,000 or 10,000 h)


##### APPROVALS

- UL Listed (USA + Canada)
- CCEA Chicago Plenum
- IC Rated
- Living Building Challenge (LBC) Declared

Protected by one or more US patents: 10215344, 10830415, 9733411, 9823406, D731700, D780971;  
EU patents: 002263020-0001, 002263020-0002, 002263020-0003.

#### DRIVERS + EMERGENCY

| STANDARD DRIVER OPTIONS   |  |
|---|--|
|  | <b>F1</b> Non-Dim<br><b>F2</b> 0–10 V Dim 3%<br><b>F4</b> Line Voltage Dim 3% (Forward/Reverse) 120 V  |
|  | <b>E1</b> eldoLED ECO 0–10 V Dim 1%<br><b>E2</b> eldoLED SOLO 0–10 V Dim 0.1%<br><b>E3</b> eldoLED ECO DALI-2 DT6 Dim 1%<br><b>E4</b> eldoLED SOLO DALI-2 DT6 Dim 0.1% |
|  | <b>L1</b> Lutron Hi-Lume 1% EcoSystem (LDE1)   |

| EMERGENCY OPTIONS  |  |
|--|--|
|  | <b>B</b> Battery Pack<br>Bodine BSL310 (10 W)<br><b>H</b> Emergency Switching<br>Functional Devices<br>ESRB Emergency Lighting Relay |

Driver and emergency selection may be limited by product or version.  
For further options, contact Fluxwerx.



SPECIFICATION DATA

NOTCH 1 PATTERN (NN1P)

FAMILY PERFORMANCE

COLOR

| 80 CRI                | 4000 K | 3500 K | 3000 K |
|-----------------------|--------|--------|--------|
| Color Rendering (CRI) | 83     | 83     | 83     |
| Red Index (R9)        | 6      | 6      | 6      |
| Color Matching (SDCM) | < 2    |        |        |

| 90 CRI                | 4000 K | 3500 K | 3000 K |
|-----------------------|--------|--------|--------|
| Color Rendering (CRI) | 92     | 92     | 92     |
| Red Index (R9)        | 63     | 63     | 59     |
| Color Matching (SDCM) | < 2    |        |        |

Typical colorimetry values.

LUMEN MAINTENANCE

|                    | A<br>4.5 W | B<br>5.5 W | C<br>7 W | D<br>8.5 W |
|--------------------|------------|------------|----------|------------|
| L90 per TM-21 (hr) | > 60,000   |            |          |            |
| L70 Estimate (hr)  | > 200,000  |            |          |            |

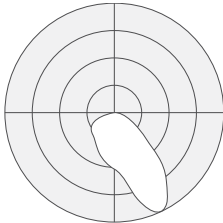
OUTPUT MULTIPLIERS

| MULTIPLIER   | Applies To |                     |
|--------------|------------|---------------------|
| 90 CRI       | 0.84       | All 80 CRI          |
| Battery Pack | 0.70       | Energy A (4.5 W/ft) |

For 90 CRI, emergency BP, use multipliers to scale published Light (lm), Efficacy (lm/W), Intensity (Cd), Luminance (Cd/m²) and IES files.

VERSION PERFORMANCE

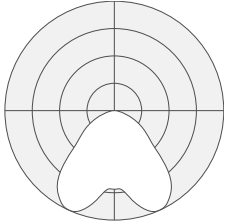
NN1-A – Area Asymmetric, 80 CRI

| CONFIGURATION      |               |       | LIGHT & POWER    |                 |                    | VISUAL COMFORT               |                                 | LIGHT DISTRIBUTION  |
|--------------------|---------------|-------|------------------|-----------------|--------------------|------------------------------|---------------------------------|---|
| CCT                | ENERGY (NOM.) |       | LIGHT<br>(lm/ft) | POWER<br>(W/ft) | EFFICACY<br>(lm/W) | MAX INTENSITY<br>45-90° (Cd) | MAX LUMINANCE<br>45-90° (Cd/m²) |   |
| NN1-Ax40<br>4000 K | A             | 4.5 W | 417              | 4.30            | 97.0               | 776                          | >10,000                         |  |
|                    | B             | 5.5 W | 527              | 5.49            | 96.1               | 980                          |                                 |   |
| NN1-Ax35<br>3500 K | A             | 4.5 W | 408              | 4.30            | 94.8               | 758                          |                                 |   |
|                    | B             | 5.5 W | 515              | 5.49            | 93.9               | 958                          |                                 |   |
| NN1-Ax30<br>3000 K | A             | 4.5 W | 399              | 4.30            | 92.6               | 741                          |                                 |   |
|                    | B             | 5.5 W | 504              | 5.49            | 91.8               | 936                          |                                 |   |

Notch 1  
Area Asymmetric

VERSION PERFORMANCE

NN1-B – Area Symmetric, 80 CRI

| CONFIGURATION      |               |       | LIGHT & POWER    |                 |                    | VISUAL COMFORT               |                                 | LIGHT DISTRIBUTION   |
|--------------------|---------------|-------|------------------|-----------------|--------------------|------------------------------|---------------------------------|--|
| CCT                | ENERGY (NOM.) |       | LIGHT<br>(lm/ft) | POWER<br>(W/ft) | EFFICACY<br>(lm/W) | MAX INTENSITY<br>45-90° (Cd) | MAX LUMINANCE<br>45-90° (Cd/m²) |  |
| NN1-Bx40<br>4000 K | A             | 4.5 W | 418              | 4.23            | 98.9               | 510                          | >10,000                         | <br>Notch 1<br>Area Symmetric |
|                    | B             | 5.5 W | 529              | 5.39            | 98.1               | 644                          |                                 |  |
|                    | C             | 7 W   | 650              | 6.77            | 96.0               | 792                          |                                 |  |
|                    | D             | 8.5 W | 794              | 8.41            | 94.5               | 968                          |                                 |  |
| NN1-Bx35<br>3500 K | A             | 4.5 W | 409              | 4.23            | 96.7               | 499                          |                                 |  |
|                    | B             | 5.5 W | 517              | 5.39            | 95.9               | 630                          |                                 |  |
|                    | C             | 7 W   | 636              | 6.77            | 93.9               | 775                          |                                 |  |
|                    | D             | 8.5 W | 777              | 8.41            | 92.4               | 946                          |                                 |  |
| NN1-Bx30<br>3000 K | A             | 4.5 W | 400              | 4.23            | 94.6               | 487                          |                                 |  |
|                    | B             | 5.5 W | 505              | 5.39            | 93.7               | 616                          |                                 |  |
|                    | C             | 7 W   | 621              | 6.77            | 91.8               | 757                          |                                 |  |
|                    | D             | 8.5 W | 759              | 8.41            | 90.3               | 925                          |                                 |  |

Photometry Reports: 13809463, 13911702

Photometry baseline established with integrating sphere and goniophotometer results from an independent accredited testing laboratory per IES LM-79, ANSI C78.377. Remaining values scaled from baseline data per IES LM-63. Output and power may vary by up to 5%.