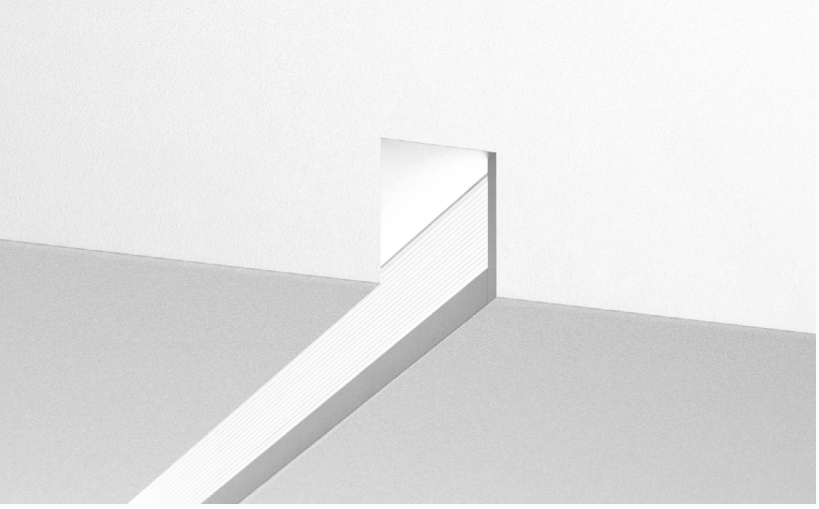
FLUXWERX®

SPECIFICATION DATA

NOTCH 1 (NN1)



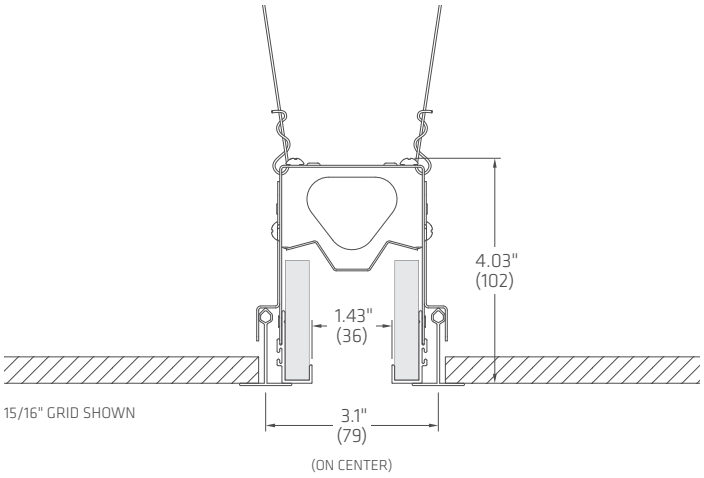
(D2) DRYWALL TRIMLESS WITH (E) DADO ENDCAP OPTION

CATALOG #

PROJECT

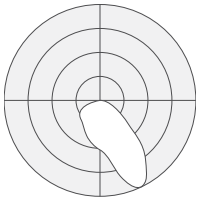
NOTES

CROSS SECTION

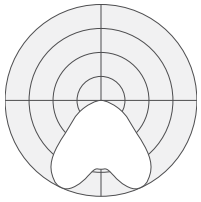


DISTRIBUTIONS

Area Asymmetric (NN1-A)



Area Symmetric (NN1-B)



PERFORMANCE FOCUS

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

		Energy (W/ft)	Light (lm/ft)	Efficacy (lm/W)
	A	**4.5 W**	400	99
	B	**5.5 W**	525	98
Symmetric only	**C**	**7 W**	650	96
	D	**8.5 W**	800	95

Color Matching (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^2.
- 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.

Declare. UL CERTIFIED 5 YEAR WARRANTY

FLUXWERX®

SPECIFICATION DATA

NOTCH 1 (NN1)

ORDER GUIDE

1	2	3	4	5	6	7	8	9	OPTIONS	CONTROLS
NN1										

1 FAMILY

NN1 Notch 1 Area

2 VERSION

L Linear Row (incl. Endcaps)
R Joiner Side/Corner

PATTERN [1]

P0 Square
P1 Rectangle
P2 2 Sides | 1 Corner
P3 3 Sides | 2 Corners
P4 4 Sides | 3 Corners
P5 5 Sides | 4 Corners

[1] Other patterns available, consult Fluxwerx.

3 TRIM / CEILING

D1 Drywall – Trim Flange
D2 Drywall – Trimless
G1 Grid – 9/16" or 15/16" Flat-T 9/16" Tegular or Bolt-Slot

4 DISTRIBUTION

A Asymmetric
B Symmetric

5 ENERGY [2]

A 4.5 W/ft
B 5.5 W/ft
C 7 W/ft [3]
D 8.5 W/ft [3]

[2] Nominal input power/ft. Add 1 W/ft for BP or 347 V.
[3] C,D: Symmetric (B) distribution only.

6 CRI-CCT

30 80 CRI 3000 K
35 80 CRI 3500 K
40 80 CRI 4000 K
93 90 CRI 3000 K
90 90 CRI 3500 K
94 90 CRI 4000 K

7 DRIVER

F1 Non-Dim
F2 0–10 V Dim 3%
F4 Line Voltage Dim (Fwd/Rev) 3% 120 V
E1 eldoLED ECO 0–10 V Dim 1%
E2 eldoLED SOLO 0–10 V Dim 0.1%
E3 eldoLED ECO DALI-2 DT6 Dim 1%
E4 eldoLED SOLO DALI-2 DT6 Dim 0.1%
L1 Lutron Hi-Lume 1% EcoSystem (LDE1)

8 VOLTAGE

M 120–277 V
1 120 V [4]
2 277 V [4]
3 347 V [5]

[4] Fixed 120 or 277V for (F4) Line Dim Driver or nLight controls.
[5] 347 V transformer.

9 LENGTH

XX Length in ft (min 2 ft)
Drywall – 1 ft increments
Grid – 2 ft increments
(for 1 ft consult Fluxwerx)

CORNERS

LC L Corner (Flat 2' x 2')

OPTIONS

WIRING & EMERGENCY

A# Alternate Wiring Module Qty
(Two 4 ft circuits in 8 ft module for EM, NL or AV switching)
B# Battery Pack Qty [6]
F 6' Flex Whip (in first module)
H# Emergency Switch Qty [6,7]
(GTD or Controller)
T Throughwire Circuit

[6] BP/GTD: For 120-277 V, linear 4 ft or 8 ft modules.
[7] GTD not compatible with (F4) Line Dim driver.

LAYOUT & FINISH

C Chicago CCEA
E Dado Endcap [8]
K Black Trim & Endcap
P Capsule Endcap [9]

[8] Dado End: D2 trim, only one end by default.
[9] Capsule End: D2 only.

CONTROLS

TYPE & LOCATION [10]

R Remote Sensor / Controller on Ceiling
V Controller on Housing / Plenum Side

[10] Controls selection may be limited by version, protocol or other features – see Controls page.

BRAND & PROTOCOL [10]

N1 Acuity nLight Wired [11]
N3 Acuity nLight Air RPP20 [11]
E1 Enlighted Smart Sensor [12]
L1 Lutron Athena Wireless
M1 LeGrand Encelium X / SensiLum
V1 Leviton Intellect Wireless

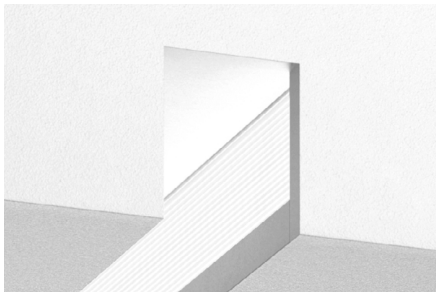
[11] Controller (V) only.
[12] Sensor/Controller (R) only.

FLUXWERX®

SPECIFICATION DATA

NOTCH 1 (NN1)

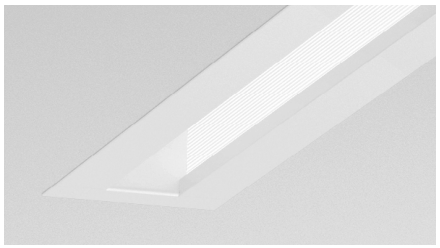
PRODUCT DETAILS



VERTICAL ANIDOLIC OPTIC

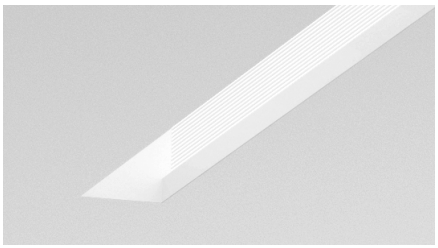
CEILINGS & TRIM

DRYWALL TRIM

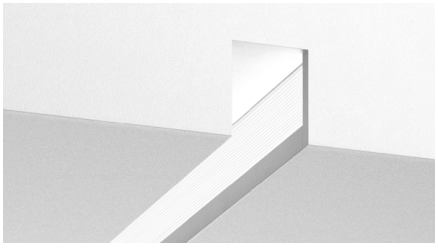


D1 – DRYWALL TRIM FLANGE

DRYWALL TRIMLESS



D2 – DRYWALL TRIMLESS



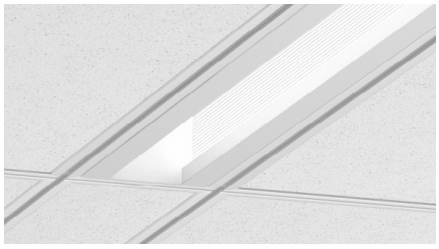
E – DADO ENDCAP (OPTIONAL)

P – CAPSULE ENDCAP (OPTIONAL)

GRID

G1 – 9/16" GRID FLAT T

G1 – 15/16" GRID FLAT T



G1 – 9/16" TEGULAR | SLOT GRID

FLUXWERX

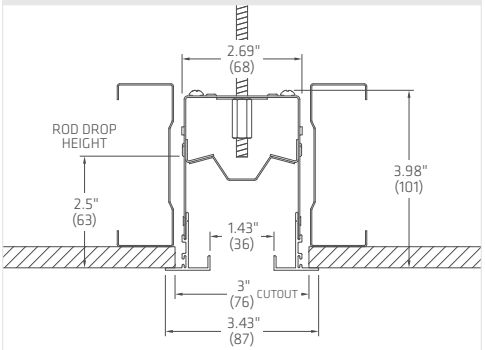
SPECIFICATION DATA

NOTCH 1 (NN1)

DIMENSIONS

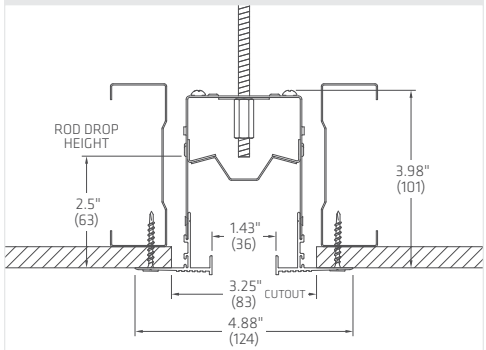
D1

DRYWALL TRIM FLANGE



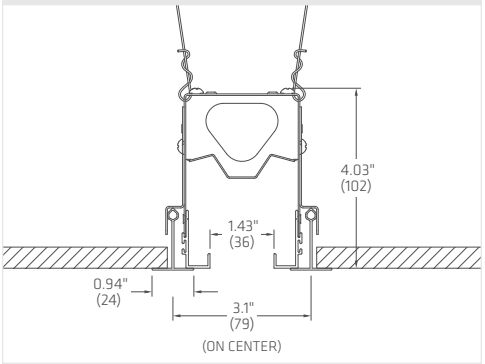
D2

DRYWALL TRIMLESS



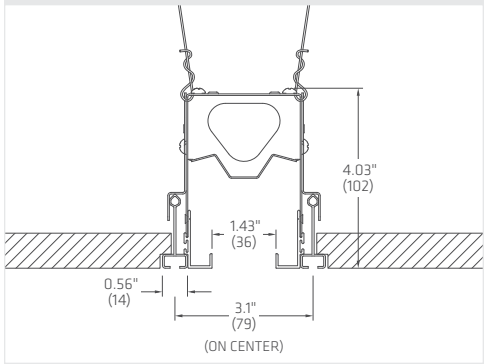
G1

15/16" | 9/16" FLAT GRID



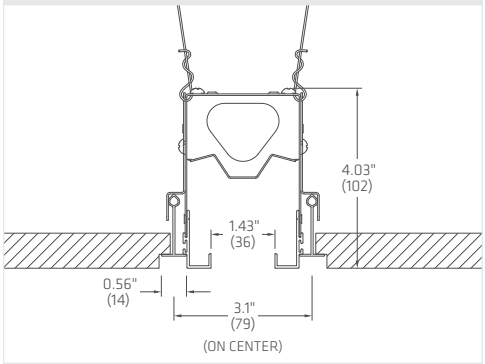
G1

9/16" BOLT SLOT TEGULAR GRID



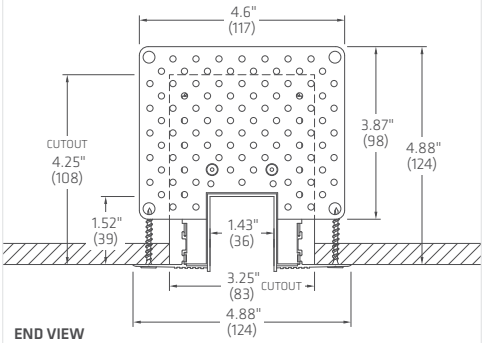
G1

9/16" TEGULAR



OPTION E

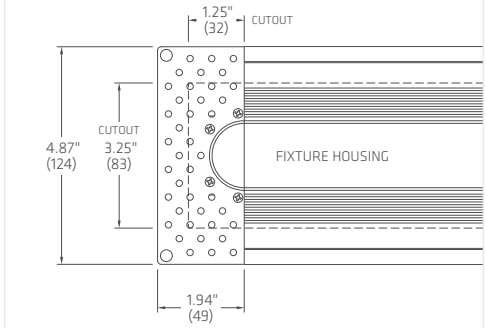
DADO ENDCAP



END VIEW

OPTION P

CAPSULE ENDCAP



SURFACE VIEW

FLUXWERX®

SPECIFICATION DATA

NOTCH 1 (NN1)

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.

2'

3' *(drywall only)*

4'

6'

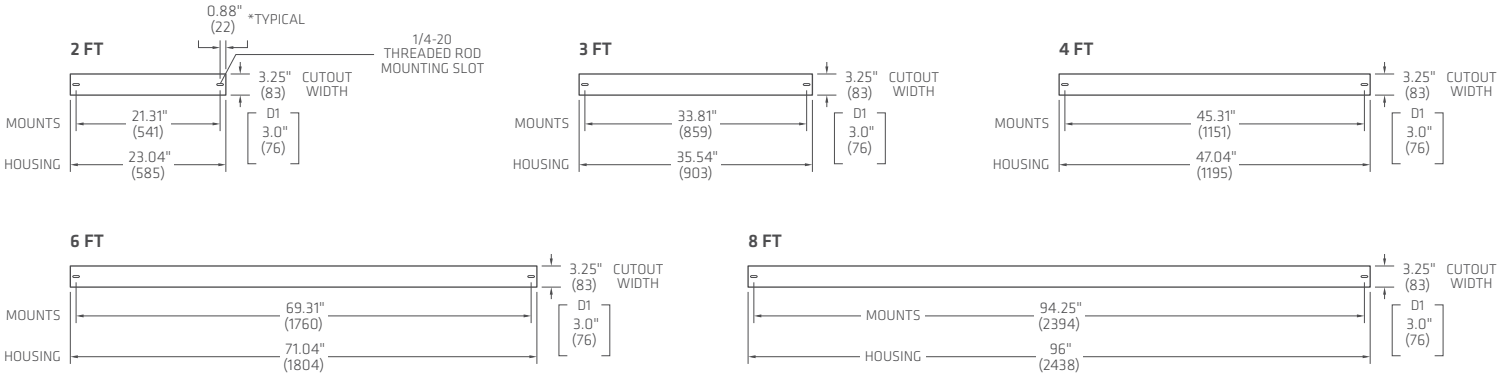
8'

X'

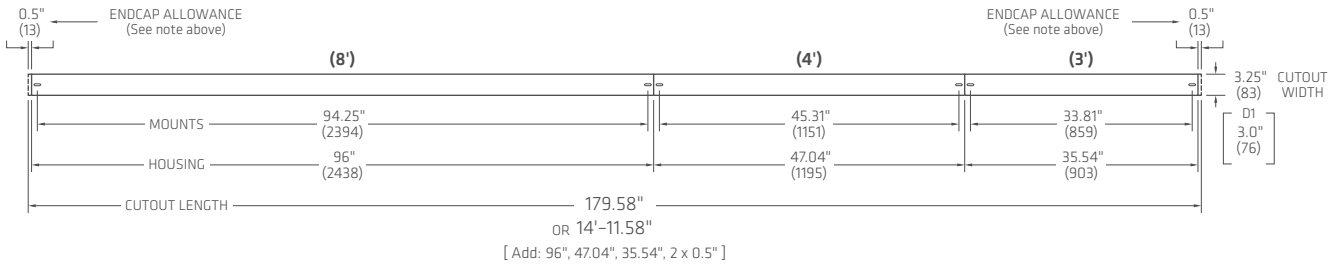
NOTE: Run lengths are nominal and vary with ceiling condition and trim selections.

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.

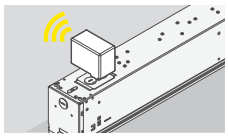
FLUXWERX

SPECIFICATION DATA

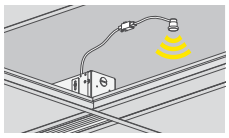
NOTCH 1 (NN1)

CONTROLS & SENSORS

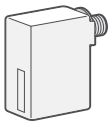
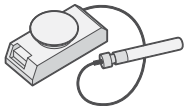
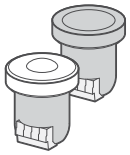
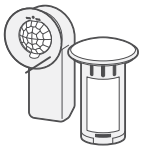
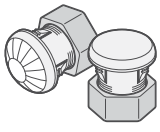
LUMINAIRE INTEGRATION



V
Controller,
Enclosure/Plenum Side



R
Sensor,
Remote/on Ceiling

(N1)	Acuity nLight Wired	nLIGHT	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	nLIGHT	Acuity nLight wireless network interfaces. Models: rIO, rPP20		**VN3**	nLight rPP20 Controller, Enclosure/Plenum Side
(E1)	Siemens Enlighted	Enlighted	Siemens Enlighted wireless smart sensor-controllers. Model: SU-5E-CL		**RE1**	Enlighted Smart Sensor, Remote/on Ceiling
(L1)	Lutron Athena	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** **RL1**	Athena Controller, Enclosure/Plenum Side Athena Sensor, Remote/on Ceiling
(M1)	Legrand Encelium X	legrand® ENCELIUM	Encelium X wireless smart controllers & sensors. Models: ZBHA-CLM, EN-CLM-PIR		**VM1** **RM1**	X Control Module, Enclosure/Plenum Side SensiLUM Sensor, Remote/on Ceiling
(V1)	Leviton Intellect	LEVITON	Leviton Intellect wireless smart controllers & sensors. Models: ZL0x0, ZL0xS		**VV1** **RV1**	Intellect Controller, Enclosure/Plenum Side Intellect Sensor, Remote/on Ceiling

Ask us about... Wattstopper® Pass & Seymour® EATON DISTECH CONTROLS CRESTRON CASAMBI

All integrated controls trademarks and logos are the property of their manufacturer and are used under license.

FLUXWERX®

SPECIFICATION DATA

NOTCH 1 (NN1)

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 ≥ L90 @ 60,000 h
- Available in 3000 K, 3500 K, 4000 K with CRI ≥ 80 and R9 ≥ 0, or CRI ≥ 90 and R9 ≥ 50, all with color accurate binning ≤ 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	
OPTOTRONIC® ADVANCE ERP POWER	**F1** Non-Dim **F2** 0–10 V Dim 3% **F4** Line Voltage Dim 3% (Forward/Reverse) 120 V
eldoLED®	**E1** eldoLED ECO 0–10 V Dim 1% **E2** eldoLED SOLO 0–10 V Dim 0.1% **E3** eldoLED ECO DALI-2 DT6 Dim 1% **E4** eldoLED SOLO DALI-2 DT6 Dim 0.1%
LUTRON®	**L1** Lutron Hi-Lume 1% EcoSystem (LDE1)

EMERGENCY OPTIONS	
bodine RIB®	**B** Battery Pack Bodine BSL310 (10 W) **H** Emergency Switching Functional Devices ESRB Emergency Lighting Relay

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

FLUXWERX®

SPECIFICATION DATA

NOTCH 1 (NN1)

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

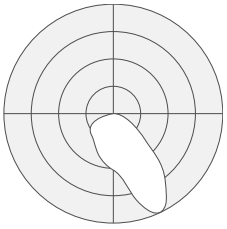
OUTPUT MULTIPLIERS

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 (lm/ft)	POWER (W/ft)	EFFICACY (lm/W)	MAX INTENSITY 45–90° (Cd)	MAX LUMINANCE 45–90° (Cd/m²)	
NN1-Ax40 4000 K	A	4.5 W	417	4.30	97.0	776	>10,000	 Notch 1 Area Asymmetric
	B	5.5 W	527	5.49	96.1	980		
NN1-Ax35 3500 K	A	4.5 W	408	4.30	94.8	758		
	B	5.5 W	515	5.49	93.9	958		
NN1-Ax30 3000 K	A	4.5 W	399	4.30	92.6	741		
	B	5.5 W	504	5.49	91.8	936		

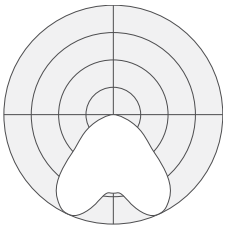
FLUXWERX®

SPECIFICATION DATA

NOTCH 1 (NN1)

VERSION PERFORMANCE

NN1-B – Area Symmetric, 80 CRI

CONFIGURATION			LIGHT & POWER			VISUAL COMFORT		LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm/ft)	POWER (W/ft)	EFFICACY (lm/W)	MAX INTENSITY 45–90° (Cd)	MAX LUMINANCE 45–90° (Cd/m²)	
NN1-Bx40 4000 K	A	4.5 W	418	4.23	98.9	510	>10,000	 Notch 1 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 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 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%.