

SPECIFICATION DATA
NOTCH 4 (NF1)

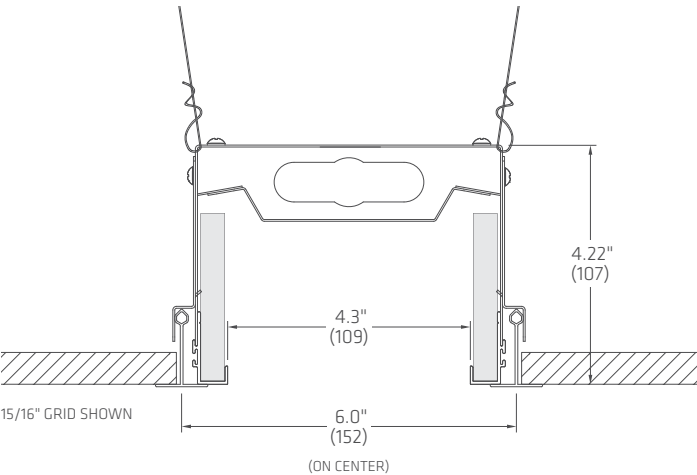
CATALOG #

PROJECT

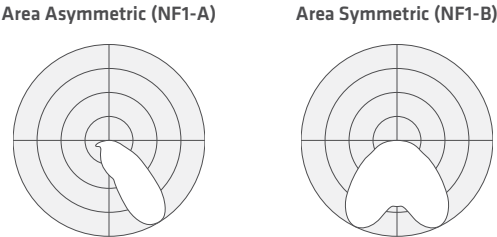
NOTES

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

CROSS SECTION



DISTRIBUTIONS



PERFORMANCE FOCUS

Area Symmetric, 80 CRI 4000 K (NF1-Bx40)

		Energy (W/ft)	Light (lm/ft)	Efficacy (lm/W)
Symmetric only	A	5 W	500	110
	B	6 W	625	110
	C	7.25 W	750	108
	D	9.5 W	1025	109
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

- 4-1/3" open aperture design with fully luminous interior. No horizontal lenses or diffusers.
- Anidolic optics provide shielded, precisely controlled optical distributions, for low glare and wide row spacing.
- Up to 12 ft o.c. spacing, delivering 40 fc at less than 0.5 W/ft².
- Length increments of 1' in drywall or 2' in T-grid ceilings.
- Dedicated corners make it easy to create horizontal patterns.
- Optional Dado drywall endcap creates a unique boundary for the line of light.
- 6" Armstrong TechZone® or 6" USG Logix® T-grid compatible.



SPECIFICATION DATA

NOTCH 4 (NF1)

ORDER GUIDE

1	2	3	4	5	6	7	8	9	OPTIONS	CONTROLS
NF1										

1	FAMILY	2	VERSION	3	TRIM / CEILING	4	DISTRIBUTION	5	ENERGY ²
NF1	Notch 4 Area	L	Linear Row (incl. Endcaps)	D1	Drywall – Trim Flange	A	Asymmetric	A	5 W/ft
		R	Joiner Side/Corner	D2	Drywall – Trimless	B	Symmetric	B	6 W/ft
		PATTERN ¹			G1	Grid – 9/16" or 15/16" Flat-T		C	7.25 W/ft ³
		P0	Square	9/16" Tegular or Bolt-Slot		D	9.5 W/ft ³		
		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.					² Nominal input power/ft. Add 1W/ft for BP or 347 V. ³ C,D: Symmetric (B) distribution only.		

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

OPTIONS		CONTROLS	
WIRING & EMERGENCY		LAYOUT & FINISH	TYPE & LOCATION ⁹
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		C Chicago CCEA E Dado Endcap ⁸ K Black Trim & Endcap	R Remote Sensor / Controller on Ceiling V Controller on Housing / Plenum Side
⁶ BP/GTD: For 120-277V, linear 4 ft or 8 ft modules. ⁷ GTD not compatible with (F4) Line Dim driver.		⁸ Dado End: D2 trim, only one end by default.	⁹ Controls selection may be limited by version, protocol or other features – see Controls page.
			¹⁰ Controller (V) only.

SPECIFICATION DATA

NOTCH 4 (NF1)

PRODUCT DETAILS



VERTICAL ANIDOLIC OPTIC

CEILING & TRIM

DRYWALL TRIM



D1 – DRYWALL TRIM FLANGE

DRYWALL TRIMLESS



D2 – DRYWALL TRIMLESS

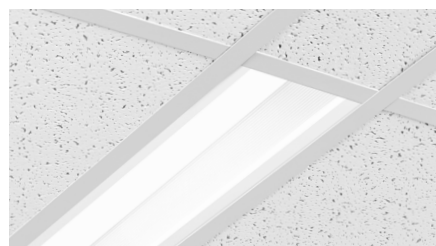


E – DADO ENDCAP (OPTIONAL)

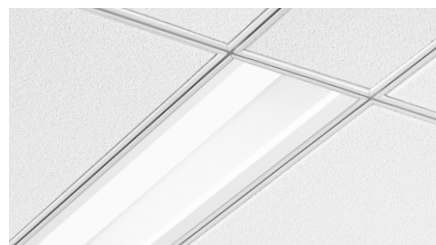
GRID



G1 – 9/16" GRID FLAT T



G1 – 15/16" GRID FLAT T



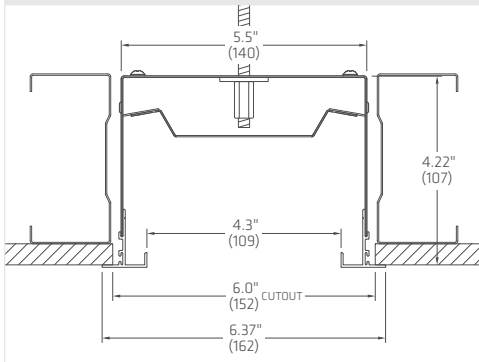
G1 – 9/16" TEGULAR | SLOT GRID

NOTE: Use G1 for 4" Armstrong TechZone[®] or 4" USC Logix[®]

DIMENSIONS

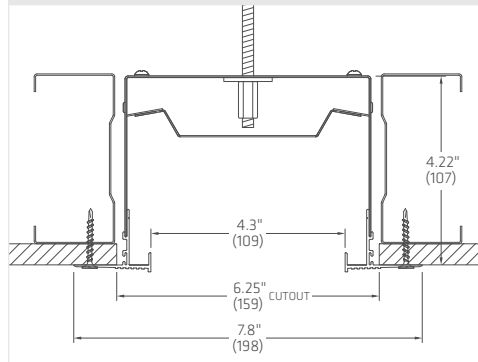
D1

DRYWALL TRIM FLANGE



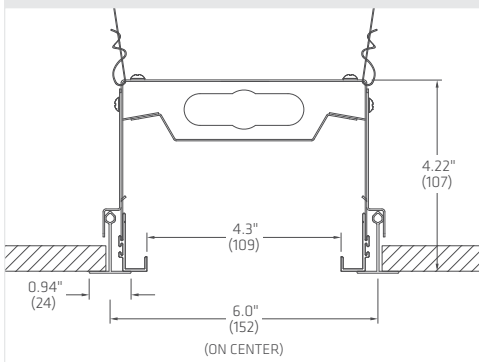
D2

DRYWALL TRIMLESS



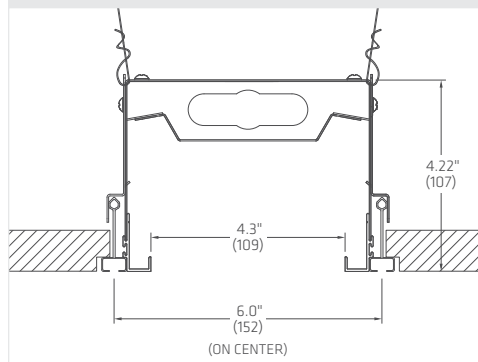
G1

15/16" | 9/16" FLAT GRID



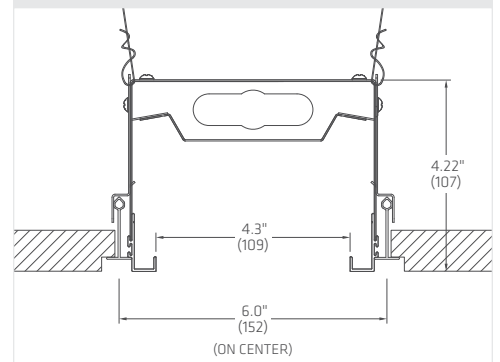
G1

9/16" BOLT SLOT TEGULAR GRID



G1

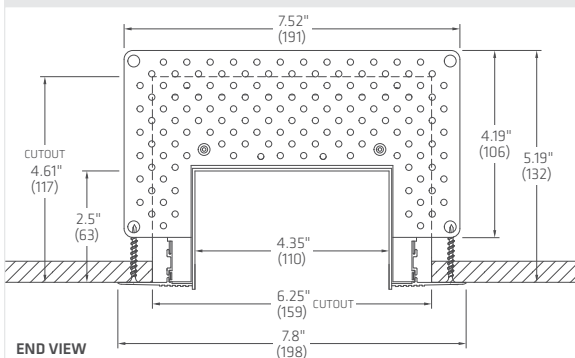
9/16" TEGULAR



Grid (**G1**) is 4" Armstrong TechZone® and 4" USG Logix® T-grid compatible.

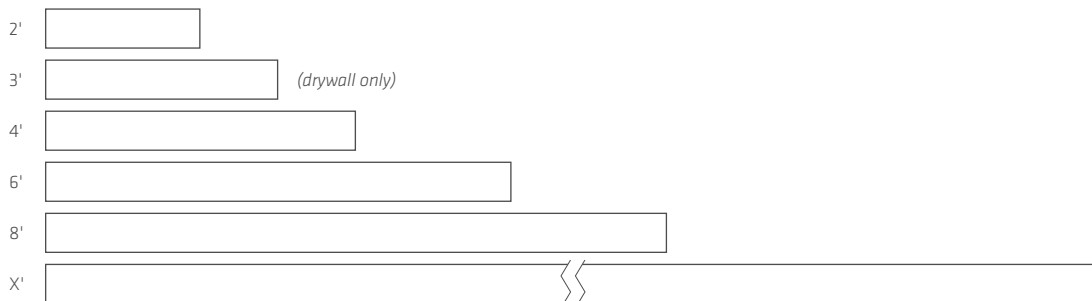
OPTION E

DADO ENDCAP



LINEAR ROWS & FIXTURES

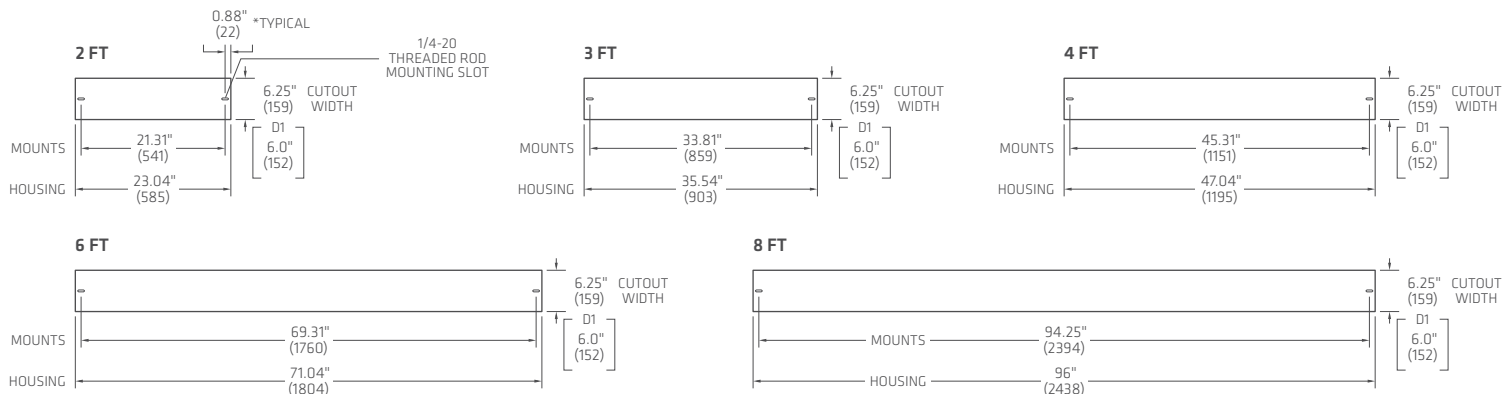
Continuous rows are available in nominal 1' increments in drywall ceilings and in 2' increments on-grid for T-bar ceilings. Standalone fixtures are available in 2', 3', 4', 6', or 8' sizes.



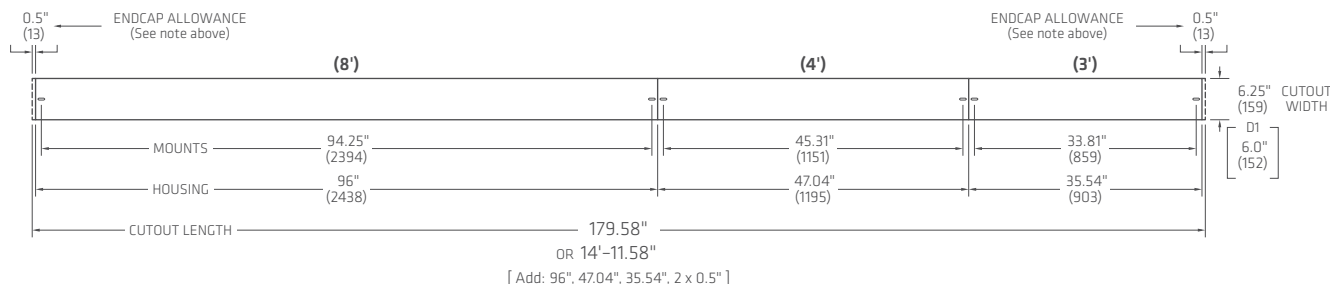
NOTE: Run lengths are nominal and vary with ceiling condition and trim selections.

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"; Dado endcap – 3/16".



EXAMPLE OF A DRYWALL CUTOUT FOR A 15' RUN

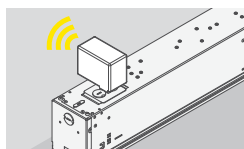


INSTALLATION NOTES

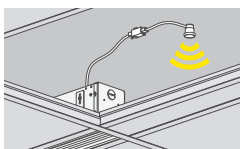
- Cutout dimensions apply to all drywall trim options.
- A minimum depth of 4.75" above the ceiling plane is required.
- Threaded rod or lag bolt mounting is required for ceiling installations only:
 - Ensure 1/4-20 threaded rod length is cut between 3.125" – 3.75" above finished ceiling plane.
 - 2 threaded rods required for each linear housing.

CONTROLS & SENSORS

LUMINAIRE INTEGRATION



V
Controller,
Enclosure/Plenum Side

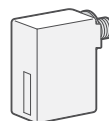


R
Sensor,
Remote/on Ceiling

(N1) Acuity
nLight Wired



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

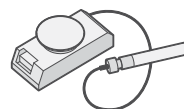


VN1 nLight Wired Controller, Enclosure/Plenum Side

(N2, N3) Acuity
nLight Air



Acuity nLight wireless network
interfaces.
Models: rIO, rPP20

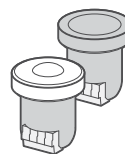


VN3 nLight rPP20 Controller, Enclosure/Plenum Side

(L1) Lutron
Athena



Lutron Athena wireless smart
controllers & sensors.
Models: A-WN-D01-RF, A-WN-D01-OCC
For VL1 and SL1:
Default Athena color to match fixture/canopy color
Canopy Athena
WH WH
SV BK
BK BK
For VL1 and RL1: default WH



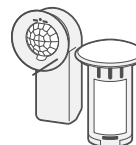
VL1 Athena Controller, Enclosure/Plenum Side

RL1 Athena Sensor, Remote/on Ceiling

(M1) Legrand
Wattstopper
PLUS



Wattstopper PLUS wireless smart
controllers & sensors.
Models: ZBHA-CLM, EN-CLM-PIR



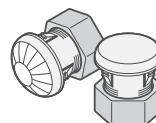
VM1 Wattstopper PLUS Control Module,
Enclosure/Plenum Side

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...

Pass & Seymour®

EATON

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.

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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 1100–1300 lm (@95–105 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 8 lb/ft (11.9 kg/m) with standard driver
- Maximum 9 lb/ft (13.4 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 	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%
	L1 Lutron Hi-Lume 1% EcoSystem (LDE1)

EMERGENCY OPTIONS	
	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.



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NOTCH 4 (NF1)

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 5 W	B 6 W	C 7.25 W	D 9.5 W
L90 per TM-21 (hr)	> 60,000			
L70 Estimate (hr)	> 200,000			

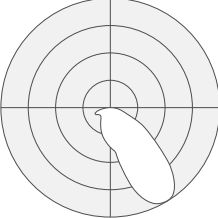
OUTPUT MULTIPLIERS

MULTIPLIER	Applies To	
90 CRI	0.80	All 80 CRI
Battery Pack	0.64	Energy A (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

NF1-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)	
NF1-Ax40 4000 K	A	5 W	468	4.69	99.8	916	9,963	 Notch 4 Area Asymmetric
	B	6 W	604	5.92	102.0	1,182	12,858	
NF1-Ax35 3500 K	A	5 W	462	4.69	98.4	903	9,825	
	B	6 W	596	5.92	100.6	1,165	12,677	
NF1-Ax30 3000 K	A	5 W	455	4.69	97.0	890	9,685	
	B	6 W	587	5.92	99.2	1,149	12,497	

VERSION PERFORMANCE

NF1-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)	
NF1-Bx40 4000 K	A	5 W	500	4.54	110.2	557	5,963	 <div>Notch 4 Area Symmetric</div>
	B	6 W	640	5.84	109.7	713	7,632	
	C	7.25 W	759	7.02	108.1	845	9,045	
	D	9.5 W	1021	9.40	108.6	1,137	12,172	
NF1-Bx35 3500 K	A	5 W	493	4.54	108.6	549	5,880	
	B	6 W	631	5.84	108.1	703	7,526	
	C	7.25 W	748	7.02	106.6	833	8,919	
	D	9.5 W	988	9.40	105.1	1,100	11,780	
NF1-Bx30 3000 K	A	5 W	486	4.58	106.1	541	5,796	
	B	6 W	622	5.84	106.6	693	7,419	
	C	7.25 W	738	7.02	105.1	821	8,792	
	D	9.5 W	955	9.47	100.9	1,064	11,388	