

FLUXWERX®

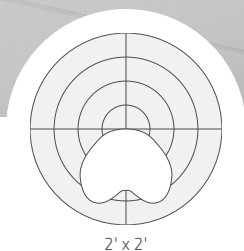
SPECIFICATION DATA INBOX MINI (NX1 | NX2)

CATALOG

PROJECT

NOTES

2' x 2' (2-SIDED | 4-SIDED OPTICS)



2' x 2'



1' x 4'



2' x 4'

PERFORMANCE FOCUS

2x2 4-SIDE, 80 CRI 4000 K (NX122x40)

	Energy (W)	Light (lm)	Efficacy (lm/W)
A	23 W	2750	119
B	29 W	3300	117
C	38 W	4300	115
D	47 W	5100	111

Color Matching (SDCM)	Lumen Maintenance (hr)	
	L90 per TM21	L70 Estimate
< 2	> 60,000	> 200,000

Preliminary nominal values, refer to back pages for full performance data.

FEATURES

- Minimalist architectural aesthetic disappears into the plenum.
- 2" optic is a slimmer look than Inbox and matches the design language of Profile Mini and Notch 1 families.
- 2-sided or 4-sided anidolic extraction optics generate a visually comfortable, precisely controlled light distribution.
- Up to 10' x 12' spacing, delivering over 40 fc at less than 0.4 W/ft².
- Priced to support a wide range of budgets.
- 2x2, 1x4 & 2x4 standard sizes address a variety of applications.
- Suitable for T-Grid or GWB ceilings, with optional trim or trimless flange kits.

Declare.



SPECIFICATION DATA

INBOX MINI (NX1 | NX2)

ORDER GUIDE

1	2	3	4	5	6	OPTIONS	CONTROLS

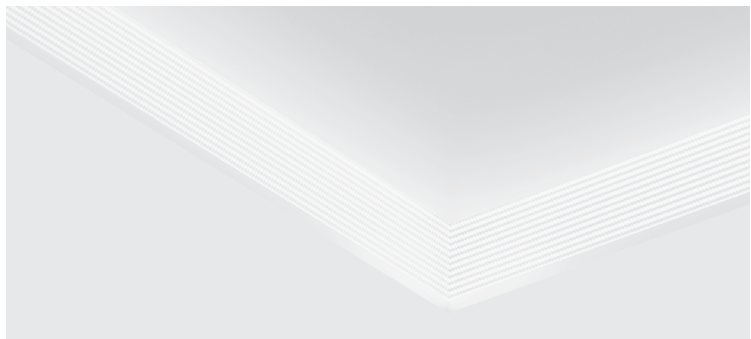
1	FAMILY	2	SIZE	3	ENERGY ¹	4	CRI-CCT	5	DRIVER
NX1	Inbox Mini 4-Sided Optics	22	2' x 2'		A 23 W		30 80 CRI 3000 K		F1 Non-Dim
					B 29 W		35 80 CRI 3500 K		F2 0-10 V Dim 3%
NX2	Inbox Mini 2-Sided Optics	14	1' x 4'		C 38 W		40 80 CRI 4000 K		F4 Line Voltage Dim (Fwd/Rev) 3% 120 V
					D 47 W ²		93 90 CRI 3000 K		E1 eldoLED ECO 0-10 V Dim 1%
							90 90 CRI 3500 K		E2 eldoLED SOLO 0-10 V Dim 0.1%
		24	2' x 4'				94 90 CRI 4000 K		E3 eldoLED ECO DALI-2 DT6 Dim 1%
									E4 eldoLED SOLO DALI-2 DT6 Dim 0.1%
									L1 Lutron Hi-Lume 1% EcoSystem (LDE1)

¹ Nominal input power. Add 4 W for BP or 347 V.
² D: 1x4, 2x4, 2x2 4-Optic only.

6	VOLTAGE	OPTIONS	CONTROLS	
M	120-277 V	B Battery Pack ⁵ C Chicago CCEA F 6' Flex Whip H Emergency Switching ^{5,6} (GTD or Controller) J1 Surface Mount Enclosure (2x2) K1 Drywall Flange Kit – Trim K2 Drywall Flange Kit – Trimless	TYPE & LOCATION ⁷	
	1 120 V ³		R Remote Sensor / Controller on Ceiling V Controller on Enclosure / Plenum Side	BRAND & PROTOCOL ⁷
	2 277 V ³			N1 Acuity nLight Wired ⁸ N3 Acuity nLight Air RPP20 ⁸ E1 Enlighted Smart Sensor ⁹ L1 Lutron Athena Wireless M1 Legrand Wattstopper PLUS V1 Leviton Intellect Wireless
	3 347 V ⁴			

³ Fixed voltage only for (F4) Line Dim Driver or nLight controls.
⁴ 347 V transformer for drivers E1-4/L1.
⁵ BP & GTD available for 120-277 V.
⁶ GTD not compatible with (F4) Line Dim driver.
⁷ Controls selection may be limited by version, protocol or other features – see Controls page.
⁸ nLight: Controller (V) only.
⁹ Enlighted: Sensor/Controller (R) only.

LINEAR ANIDOLIC OPTIC

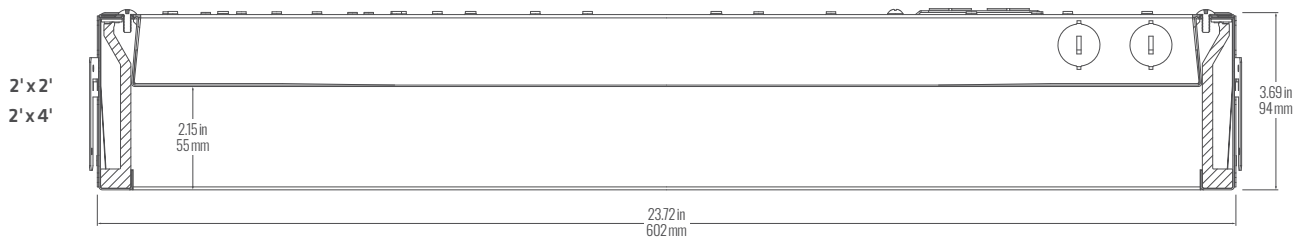
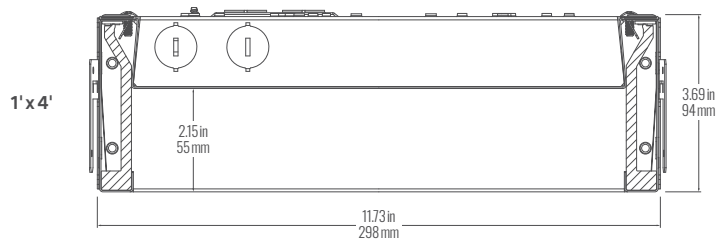


SURFACE MOUNT ENCLOSURE (2x2)

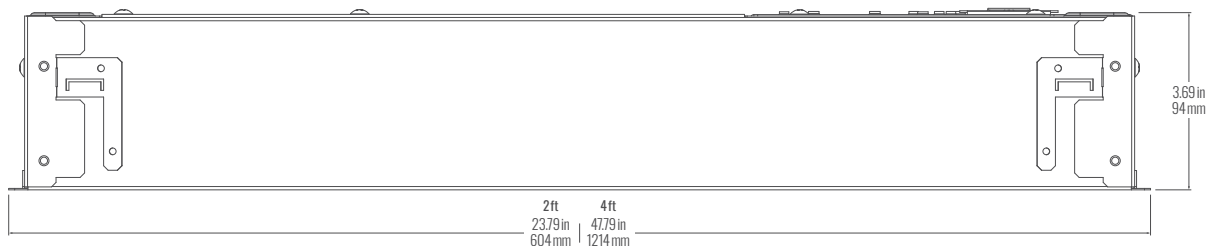


DIMENSIONS

CROSS SECTION



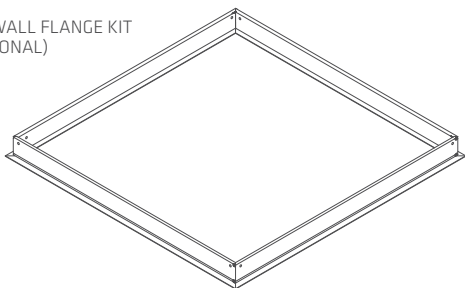
SIDE VIEW



CEILING INTEGRATION

DRYWALL

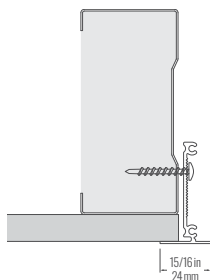
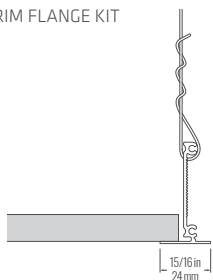
DRYWALL FLANGE KIT (OPTIONAL)



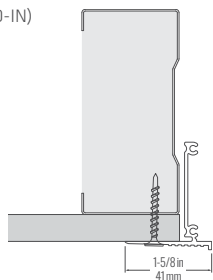
CEILING CUT-OUT

- (14) 1' x 4' 12.5" x 48.5" (318 x 1232 mm)
- (22) 2' x 2' 24.5" x 24.5" (622 x 622 mm)
- (24) 2' x 4' 24.5" x 48.5" (622 x 1232 mm)

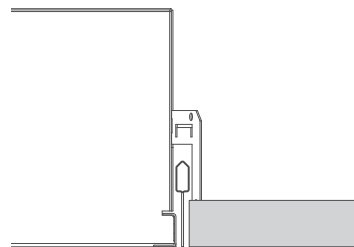
TRIM FLANGE KIT



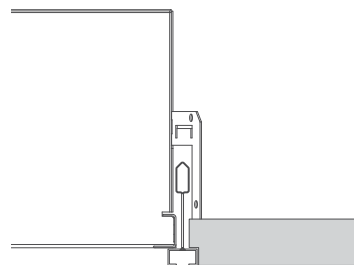
TRIMLESS (MUD-IN) FLANGE KIT



GRID



FLAT GRID

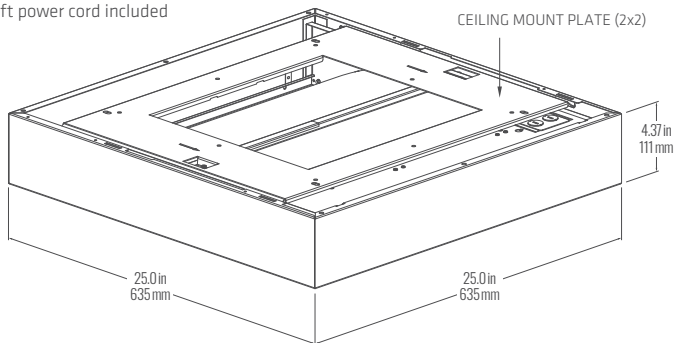


SLOT GRID

SURFACE 2' x 2'

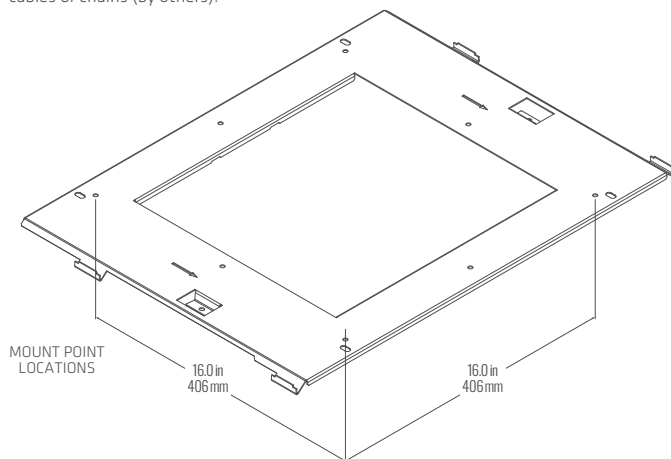
(J1) SURFACE MOUNT ENCLOSURE (2x2)

White Finish
 6 ft power cord included



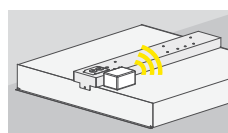
CEILING MOUNT PLATE (2x2)

Attach to structure with bolts, threaded rod, cables or chains (by others).

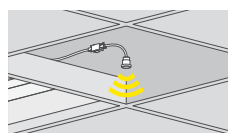


CONTROLS & SENSORS

LUMINAIRE INTEGRATION



V
Controller,
Enclosure/Plenum Side

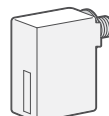


R
Sensor,
Remote/on Ceiling

(N1) Acuity
nLight Wired



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

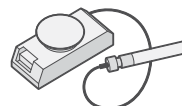


VN1 nLight Wired Controller, Enclosure/Plenum Side

(N2, N3) Acuity
nLight Air



Acuity nLight wireless network
interfaces.
Models: r10, rPP20

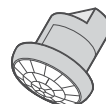


VN3 nLight rPP20 Controller, Enclosure/Plenum Side

(E1) Siemens
Enlighted



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

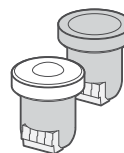


RE1 Enlighted Smart Sensor, Remote/on Ceiling

(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

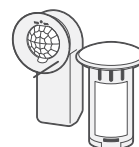


VL1 Athena Controller, Enclosure/Plenum Side
RL1 Athena Sensor, Remote/on Ceiling

(M1) Legrand
Wattstopper
PLUS



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

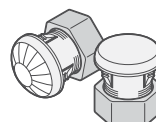


VM1 Wattstopper PLUS Control Module,
Enclosure/Plenum Side
RM1 SensiLUM Sensor, Remote/on Ceiling

(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®

F.A.T.O.N

DISTECH
CONTROLS

CRESTRON

CASAMBI

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SPECIFICATION DATA

INBOX MINI (NX1 | NX2)

NOTES

CONSTRUCTION

- Formed 22 ga. steel housing
- Quick wire access plate and integral seismic restraint tabs/tie-offs
- Optional drywall trim or trimless (mud-in) flange kits
- High reflectance diffuse white textured powdercoat

OPTICAL

- Anidolic optical structures with linear light extraction elements
- Precision extruded high transmittance clear acrylic lenses
- Long life LED system designed for typical TM21 lumen maintenance \geq L90 @ 60,000 h
- Available in 3000K, 3500K, 4000K 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 drivers for 50–60 Hz, 120–277 V and transformer for 347 V
- Power Factor $>$ 0.90
- Total Harmonic Distortion $<$ 20%
- Dim level: Standard 3%, optional 1% or 0.1%
- Optional flex whip: 6' prewired
- 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 1150–1750 lm (@ 100–150 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.

WARRANTY

- 5 year limited warranty on all components and workmanship

MAX WEIGHT

	120-277 V NO OPTIONS	EMERGENCY OR 347 V
2' x 2' 2-SIDE	14.2 lbs (6.5 kg)	18.7 lbs (8.5 kg)
2' x 2' 4-SIDE	16.5 lbs (7.5 kg)	21 lbs (9.5 kg)
1' x 4'	17.6 lbs (8.0 kg)	22 lbs (10 kg)
2' x 4'	24.1 lbs (11 kg)	28.5 lbs (13 kg)

INDEPENDENT TESTING






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



APPROVALS

- UL Listed (USA + Canada)
- CCEA Chicago Plenum
- IC Rated
- Living Building Challenge (LBC) Red List Approved (except Surface Enclosure)

Protected by one or more US patents: 10215344, 10830415, 9733411, 9823406, D848047.

DRIVERS + EMERGENCY

STANDARD DRIVER OPTIONS	
  	F1 Non-Dim F2 0–10 V Dim 3% F4 Line Voltage Dim 3% (Forward/Reverse) 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)

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.

SPECIFICATION DATA

INBOX MINI (NX1 | NX2)

FAMILY PERFORMANCE

COLOR

80 CRI	4000 K	3500 K	3000 K
Color Rendering (CRI)	82	82	82
Red Index (R9)	2	2	2
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 23 W	B 29 W	C 38 W	D 47 W
L90 per TM-21 (hr)	> 60,000			
L70 Estimate (hr)	> 200,000			

OUTPUT MULTIPLIERS

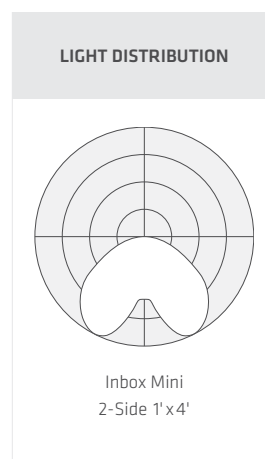
MULTIPLIER	Applies To	
90 CRI	0.84	All 80 CRI
Battery Pack	0.51	Energy A (23 W)

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

VERSION PERFORMANCE

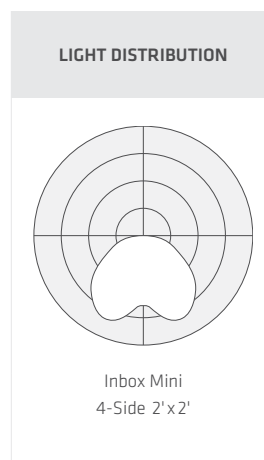
NX214 - 2-SIDE 1'x4', 80 CRI

CCT	CONFIGURATION		LIGHT & POWER		
	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)
NX214x40 4000 K	A	23 W	2779	22.80	121.9
	B	29 W	3422	28.39	120.5
	C	38 W	4403	37.43	117.6
	D	47 W	5265	46.99	112.0
NX214x35 3500 K	A	23 W	2645	23.03	114.8
	B	29 W	3257	28.39	114.7
	C	38 W	4191	37.43	112.0
	D	47 W	5012	46.99	106.7
NX214x30 3000 K	A	23 W	2511	22.80	110.1
	B	29 W	3092	28.39	108.9
	C	38 W	3979	37.43	106.3
	D	47 W	4758	47.17	100.9

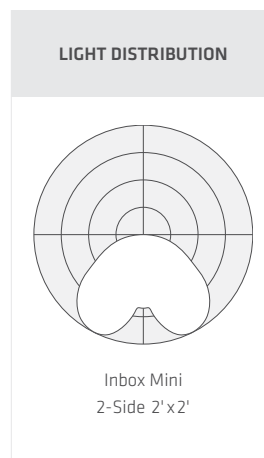


VERSION PERFORMANCE
NX122 – 4-SIDE 2' x 2', 80 CRI

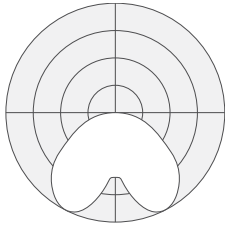
CONFIGURATION			LIGHT & POWER		
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)
NX122x40 4000 K	A	23 W	2745	23.03	119.2
	B	29 W	3334	28.39	117.4
	C	38 W	4290	37.43	114.6
	D	47 W	5130	46.32	110.8
NX122x35 3500 K	A	23 W	2655	23.03	115.3
	B	29 W	3281	28.39	115.6
	C	38 W	4221	37.43	112.8
	D	47 W	5048	46.32	109.0
NX122x30 3000 K	A	23 W	2565	22.75	112.8
	B	29 W	3227	28.39	113.7
	C	38 W	4153	37.43	110.9
	D	47 W	4966	48.28	102.9


NX222 – 2-SIDE 2' x 2', 80 CRI

CONFIGURATION			LIGHT & POWER		
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)
NX222x40 4000 K	A	23 W	2541	23.04	110.3
	B	29 W	3098	28.80	107.6
	C	38 W	3997	38.30	104.4
NX222x35 3500 K	A	23 W	2499	23.04	108.4
	B	29 W	3013	28.80	104.6
	C	38 W	3888	38.30	101.5
NX222x30 3000 K	A	23 W	2456	22.97	106.9
	B	29 W	2928	28.80	101.7
	C	38 W	3778	37.96	99.5



VERSION PERFORMANCE
NX224 – 2-SIDE 2' x 4', 80 CRI

CONFIGURATION			LIGHT & POWER			LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	
NX224x40 4000 K	A	23 W	2867	23.03	124.5	 <p>Inbox Mini 2-Side 2' x 4'</p>
	B	29 W	3525	28.78	122.5	
	C	38 W	4543	37.43	121.4	
	D	47 W	5432	47.19	115.1	
NX224x35 3500 K	A	23 W	2807	23.03	121.9	
	B	29 W	3404	28.39	119.9	
	C	38 W	4387	37.43	117.2	
	D	47 W	5247	47.19	111.2	
NX224x30 3000 K	A	23 W	2708	23.03	117.6	
	B	29 W	3284	28.78	114.1	
	C	38 W	4232	37.43	113.1	
	D	47 W	5061	47.35	106.9	