

NFP-BL

Back-Lit Flat Panel

DESCRIPTION

This versatile back-lit LED flat panel offers field-selectable color temperatures (3500K, 4000K, and 5000K) and adjustable lumen outputs ranging from 2,700 to 5,000 nominal lumens for optimal illumination. Featuring long-life LEDs with up to 144,000 hours of operation and no visible pixilation, it ensures consistent, high-quality light. With a universal voltage range of 120-277V, standard 0-10V dimming, and easy installation options, it's perfect for both new construction and retrofit projects. Its durable aluminum frame, steel housing, and PMMA lenses provide efficiency, longevity, and secure mounting in grid or suspended ceilings, with a surface mounting kit available separately.



Date: _____ Type: _____ Catalog Number: _____

Project Name: _____

ORDERING INFORMATION

LUMINAIRE

MODEL	SIZE	POWER	CCT	CONTROL	VOLTAGE	FINISH	EMERGENCY DRIVER ¹	ACCESSORIES ²
NFP-BL Nordeon Back-Lit Flat Panel	1X4 1' x 4'	SW Power Selectable	SK CCT Selectable 35/40/50K	DIM 0-10V Dimming	UNV 100-277V	WH White	EM5 5W Emergency Driver 650 Lumens	DWS-010-T 0-10v Dimmer, Toggle Switch
	2X2 2' x 2'						EM10 10W Emergency Driver 1300 Lumens	DWS-010-D 0-10v Dimmer, Decora Switch
	2X4 2' x 4'						EM13 13W Emergency Driver 1690 Lumens	IP710-DLZ 0-10v Dimmer, Button Switch
							BLANK No Emergency Driver - Leave Blank	

Custom solutions are available; consult factory for availability. Factory assistance is available via phone at (864) 487-3535 ext. 258 or via email at DesignServices@EXP-Brands.com.
See Page 5 for ordering information of available mounting accessories.

¹All emergency drivers have a minimum runtime of 90 minutes.
²Accessories are ordered separately.



SELECTABLE
POWER & CCT



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PHYSICAL	HOUSING	Aluminum Frame with Steel Housing Backplate		
	LENS	PMMA		
	MOUNTING	Recessed Mounting in Grid Ceilings with Earthquake Clips Standard. Optional Surface Mount Kits, Flange Mounting Kits Available for Installation on Plaster or Hard Ceilings. Optional Cable Mounting Kits Available for Suspended Mounting. See Page 5 for More Information.		
	OVERALL DIMENSIONS	1x4'	2x2'	2x4'
		47.4" L x 11.8" W x 1.5" H	23.7" L x 23.7" W x 1.5" H	47.7" L x 23.7" W x 1.5" H
	WEIGHT	6 Pounds	4 Pounds	9 Pounds
	OPERATING TEMPERATURE	-4° F to 104° F		

ELECTRICAL	POWER (field selectable)	See "Light Distributions" Section Below.		
	CURRENT	See "Light Distributions" Section Below.		
	VOLTAGE	Universal 120-277 AC Voltage (50-60Hz)		
	DRIVER	0-10v Dimming Emergency Battery Backup Drivers Available		
	SURGE SUPPRESSION	Surge Immunity Protection = 1kV		
	POWER FACTOR	> 0.90		

PHOTOMETRIC	LED	Field-Selectable 3500K, 4000K, and 5000K		
	ILLUMINATION TYPE	Back-Lit		
	COLOR RENDERING INDEX	> 80		
	DELIVERED LUMEN OUTPUT	1x4'	2x2'	2x4'
		Up to 4342 Lumens	Up to 4290 Lumens	Up to 5247 Lumens
	EFFICACY	Up to 140 Lumens per Watt	Up to 145 Lumens per Watt	Up to 148 Lumens per Watt
	LUMEN MAINTENANCE*	L70 > 144,000 Hours L90 > 44,000 Hours		

CERTIFICATIONS	SAFETY	UL Certified for Damp Locations and Insulated Ceilings (Type IC-Rated)		
	OTHER CERTIFICATIONS	DLC Premium Approved Flicker-Free per IEEE1789-2015 (No Observable Adverse Effects of Flicker at 100% Light Output Level)		
	FCC	Complies with FCC Part 15, Class B		
	WARRANTY	Five Year Limited Warranty		

Specifications continued on next page.

*LED life may vary under actual field conditions due to external factors. Lifetime estimates are generated from actual testing in a controlled environment. Values are conservatively derived from those numbers.

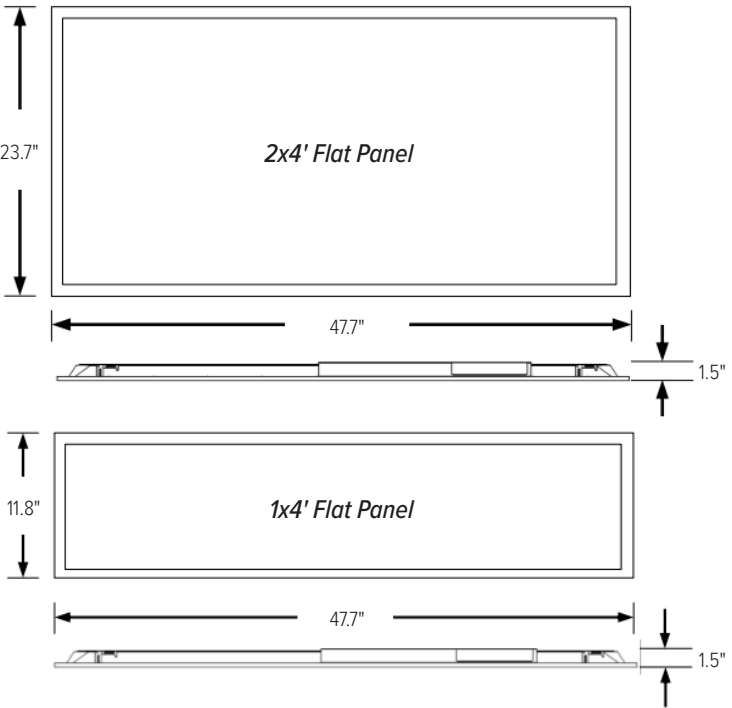
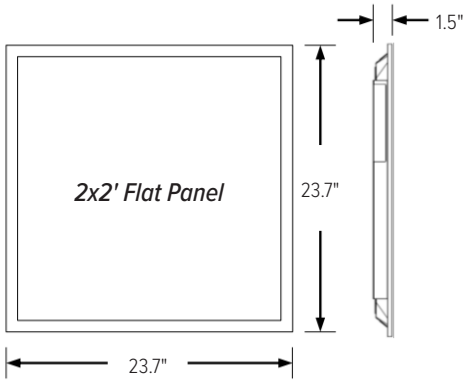
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LIGHT DISTRIBUTIONS	MODEL	MEASUREMENTS	LOW LUMENS			MID LUMENS			HIGH LUMENS		
	1x4'	CCT	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
		LUMENS	2584	2729	2656	3425	3713	3531	4085	4342	4218
		WATTS	20	19	20	28	27	28	35	33	34
		EFFICACY	127	140	132	122	137	127	117	131	123
		INPUT CURRENT @ 120V	0.17A	0.16A	0.17A	0.23A	0.23A	0.23A	0.29A	0.28A	0.28A
		INPUT CURRENT @ 277V	0.07A	0.07A	0.07A	0.10A	0.10A	0.10A	0.13A	0.12A	0.12A
	2x2'	CCT	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
		LUMENS	2733	2802	2810	3632	3810	3743	4072	4290	4179
		WATTS	20	19	20	28	27	28	32	32	32
		EFFICACY	136	145	141	131	142	136	126	135	130
		INPUT CURRENT @ 120V	0.17A	0.16A	0.17A	0.23A	0.23A	0.23A	0.27A	0.27A	0.27A
		INPUT CURRENT @ 277V	0.07A	0.07A	0.07A	0.10A	0.10A	0.10A	0.12A	0.12A	0.12A
	2x4'	CCT	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
		LUMENS	3284	3323	3389	4448	4576	4538	5015	5247	5157
		WATTS	24	23	24	33	32	33	38	37	38
		EFFICACY	138	148	144	134	144	138	131	141	137
		INPUT CURRENT @ 120V	0.20A	0.19A	0.20A	0.28A	0.27A	0.28A	0.32A	0.31A	0.32A
		INPUT CURRENT @ 277V	0.09A	0.08A	0.09A	0.12A	0.12A	0.12A	0.14A	0.13A	0.14A

Values reflect delivered lumens at full output.

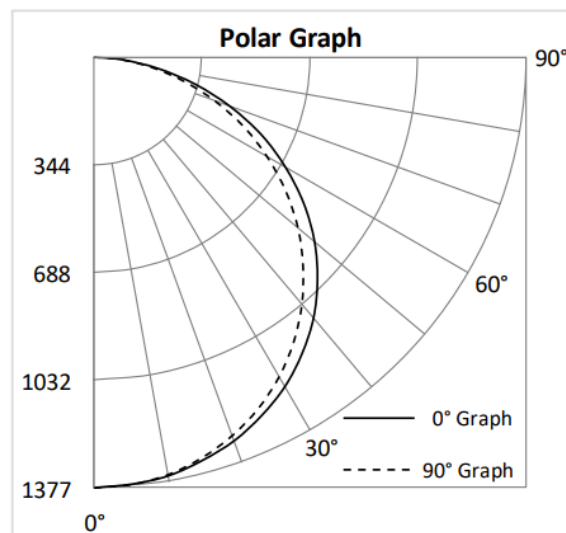
DIMENSIONS



PHOTOMETRICS

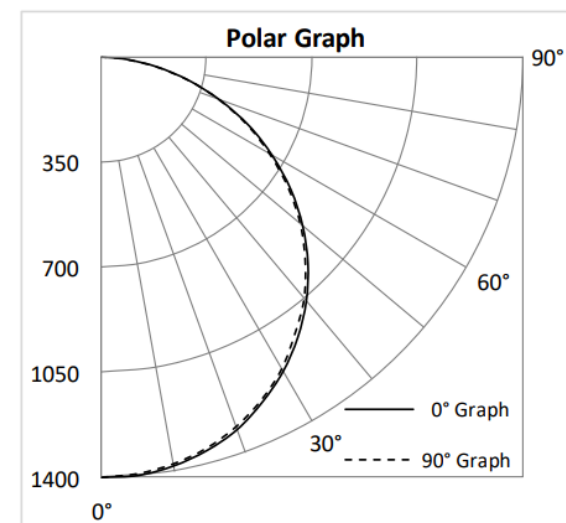
1x4' Panel Luminaire Data	
Total Lumens	4218
Input Wattage	34
Efficacy (lm/W)	123
Spacing Criterion (0-180°)	1.32
Spacing Criterion (90-270°)	1.28

1x4' Panel Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20°	506	12%
0-30°	1085	25.7%
0-40°	1796	42.6%
20-50°	2044	48.4%
40-70°	1995	47.3%
0-60°	3246	77%
0-80°	4117	97.6%
0-90°	4213	99.9%
90-180°	5	0.1%
0-180°	4218	100%



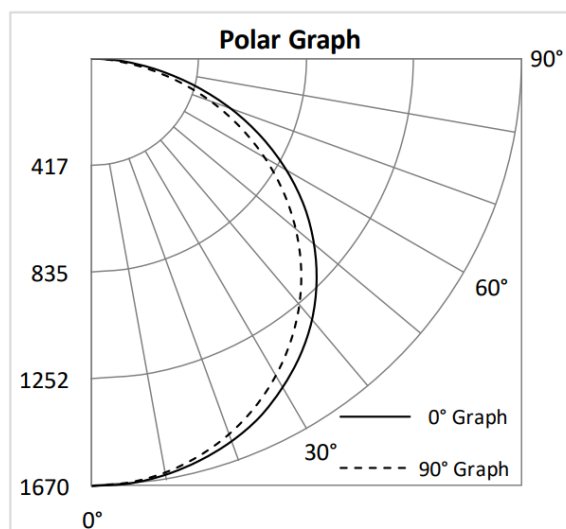
2x2' Panel Luminaire Data	
Total Lumens	4179
Input Wattage	32
Efficacy (lm/W)	130
Spacing Criterion (0-180°)	1.3
Spacing Criterion (90-270°)	1.28

2x2' Panel Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20°	514	12.3%
0-30°	1098	26.3%
0-40°	1810	43.3%
20-50°	2043	48.9%
40-70°	1962	46.9%
0-60°	3240	77.5%
0-80°	4087	97.8%
0-90°	4175	99.9%
90-180°	4	0.1%
0-180°	4179	100%



2x4' Panel Luminaire Data	
Total Lumens	5157
Input Wattage	38
Efficacy (lm/W)	137
Spacing Criterion (0-180°)	1.34
Spacing Criterion (90-270°)	1.28

2x4' Panel Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20°	514	11.9%
0-30°	1316	25.5%
0-40°	2181	42.3%
20-50°	2491	48.3%
40-70°	2457	47.6%
0-60°	3964	76.9%
0-80°	5039	97.7%
0-90°	5152	99.9%
90-180°	5	0.1%
0-180°	5127	100%

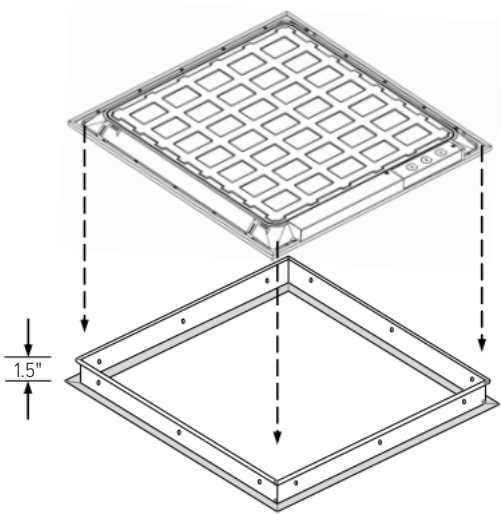


MOUNTING ACCESSORIES

Flange Mounting Kit

FLANGEKIT14-ET (1x4'), FLANGEKIT22-ET (2x2'), or FLANGEKIT24-ET (2x4')

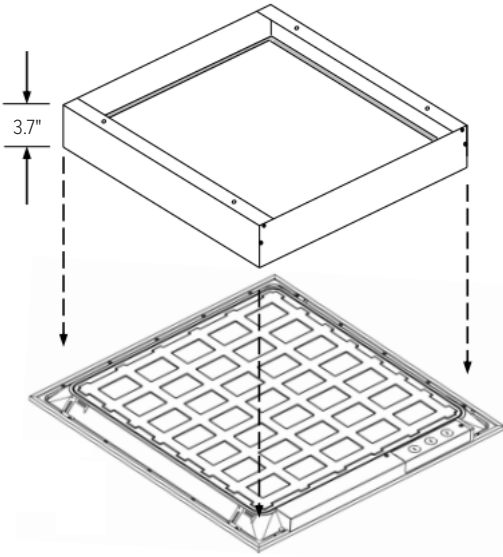
For recessed installation on plaster or other hard ceilings. Attach Flange Mounting Kit to ceiling joists or other stationary structures.
Panel is mounted flush to the ceiling.



Surface Mounting Kit

SMKT-14 (1x4'), SMKT-22 (2x2'), or SMKT-24 (2x4')

Surface Mounting Kit mounts below the ceiling.



Cable Mounting Kit
PNL-CM

Optional Cable Mounting Kits provide additional security, as well as suspended mounting. Attach one end of the Cable Mount Kit to luminaire earthquake clips using spring clips, and attach the other end to stationary structures using the adjustable, locking ceiling attachment.

