LEDPNL2X2-32W
Premium Performance 32 Watt 2x2 Ultra-Thin Edge-Lit LED Panel

BEST LIGHTING PRODUCTS

Project:	
Type:	
Catalog #:	

STANDARD

c(UL)us | DLC LISTED PREMIUM | FC | DAMP | IC RATED FOR INSULATED CEILINGS | ⚡ 2kV Surge Protection

The premium-performance, ultra-thin, edge-lit LED panel (LEDPNL) series offers industry-leading lumens per watt (LPW), and is *DLC Premium* listed. The LEDPNL is designed to deliver general ambient lighting in a variety of indoor settings, including schools, offices, hospitals and stores, and is the perfect choice for both new construction and retrofits. This high-efficacy luminaire provides long-life and uniform illumination, as well as standard 0-10 vdc dimming capability.

FEATURES

- *Available in 3000k (warm white), 3500k (warm/neutral white), 4000k (neutral white) and 5000k (cool white) color temperatures.[*]*
- *Long-life LEDs provide 81,000 hours of operation with at least 70% of initial lumen output (L_{70}).[**]*
- *Provides 4,003 luminaire lumens (125 lumens per watt, LPW) at 3000k; 4,051 luminaire lumens (127 LPW) at 3500k; 4,081 luminaire lumens (128 LPW) at 4000k, and 4,111 luminaire lumens (128 LPW) at 5000k.[*]*
- *Uniform illumination with no visible LED pixilation.*
- *Universal 120-277 AC voltage (50-60Hz) is standard.*
- *0-10vdc dimming capability is standard.*
- *Power factor > 0.90.*
- *Total harmonic distortion < 20%.*
- *Color rendering index > 80.*
- *Aluminum housing.*
- *PMMA (polymethyl methacrylate) acrylic lens with light guide panels for optimal light distribution and efficiency.*
- *Easy installation in new construction or retrofit.*
- *Standard earthquake clips provide secure installation in grid ceilings.*
- *Standard mounting options include recessed mounting in grid ceilings, or suspended mounting using attached hanging brackets. For mounting in plaster or other hard ceiling, see Mounting Kits.*

[*] *Contact factory for other color temperatures and lumen packages.*
[**] *L_{70} hours are IES TM-21-11 calculated hours.*

WARRANTY & LISTINGS

- *UL listed for damp locations and insulated ceilings (IC-rated) for use in ambient temperatures from -25°C to 50°C (-13°F to 122°F).*
- *DLC Premium listed.*
- *Complies with RoHS (Restriction on Hazardous Substances) requirements.*
- *Complies with FCC Part 15, part B.*
- *Complies with IEEE C.62.41, input transient protection (2kV).*
- *5-year warranty of all electronics and housing.*

MOUNTING KITS *See below for details*

- *Optional surface & flange mounting kits provide for installation on plaster or other hard ceilings.*
- *Optional cable mounting kits provide additional security, as well as suspended mounting.*

DIMENSIONS

0.5"
23.7"
23.7"
2.0"
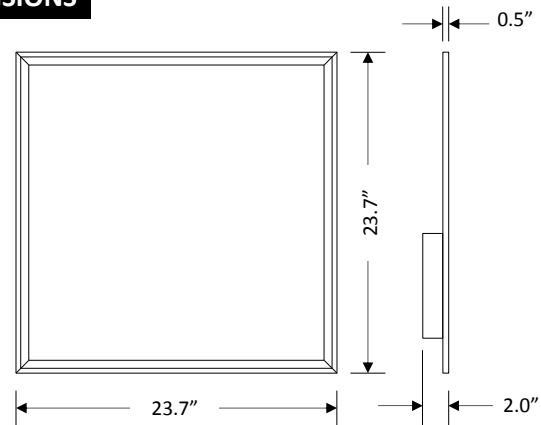
Weight: 9 ½ lbs.

ORDERING INFORMATION

Example: LEDPNL22-32W-3KMV-PRM-BES-SMK22 + LEDPNL-EMBRKT

Model	Luminaire Watts	Luminaire Lumens	Lumens/ Watt	Color Temperature	Input Voltage	DLC Listing	Options (See below for details)	
LEDPNL2X2-32W	32	4,003	125	3K = 3000k	MV = Multi-volt (120-277V)	PRM-BES = DLC Premium	SMK22	= Surface Mounting Kit (2x2)
		4,051	127	35K = 3500K			FLANGEKIT22-ET	= Flange Mounting Kit (2x2)
		4,081	128	4K = 4000k			LEDPNL-CMK	= Cable Mounting Kit, Quantity 6, 1 meter long, 1/16" diameter, with spring clips & adjustable, locking ceiling attachment
		4,111	128	5K = 5000k			LEDPNL-EMBRKT	= Bracket for emergency battery backup unit

ELECTRICAL DATA

| Model	Color Temp.	CRI [1]	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage [2]	Input Current (A)			Power Factor	THD [3]	L70 Hours [4]
							120V	240V	277V			
LEDPNL2X2-32W-3KMV-PRM-BES	3000k	> 80	4,003	32	125	120-277	0.27	0.13	0.12	> 90%	< 20%	81,000
LEDPNL2X2-32W-35KMV-PRM-BES	3500k	> 80	4,051	32	127	120-277	0.27	0.13	0.12	> 90%	< 20%	81,000
LEDPNL2X2-32W-4KMV-PRM-BES	4000k	> 80	4,081	32	128	120-277	0.27	0.13	0.12	> 90%	< 20%	81,000
LEDPNL2X2-32W-5KMV-PRM-BES	5000k	> 80	4,111	32	128	120-277	0.27	0.13	0.12	> 90%	< 20%	81,000

[1] Color rendering index.
[2] All 50-60Hz.
[3] Total harmonic distortion.
[4] L_{70} refers to the number of hours at which lumen output declines to 70% of the initial level. L_{70} hours are IES TM-21-11 calculated hours.

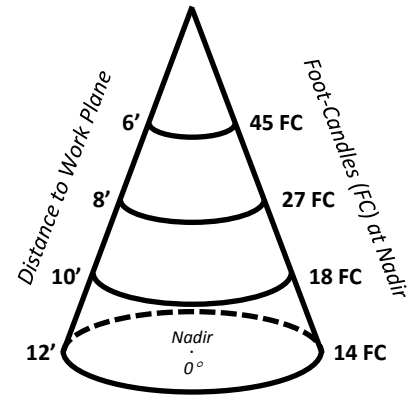## PHOTOMETRIC DATA

LEDPNL22-32W-5KMV-PRM-BES (4,111 Lumens)

Maximum Candela = 1,427

—— 0°   --- 90°
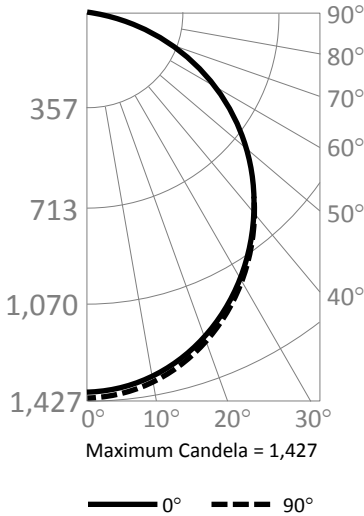
Candlepower Summary

	0°	90°
0°	1,427	1,427
10°	1,385	1,431
20°	1,296	1,363
30°	1,164	1,240
40°	990	1,076
50°	777	880
60°	540	660
70°	292	427
80°	77	189
90°	0	15

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	139	3.4%
0° – 20°	536	13.0%
0° – 30°	1,136	27.6%
0° – 40°	1,858	45.2%
0° – 50°	2,601	63.3%
0° – 60°	3,267	79.5%
0° – 70°	3,764	81.6%
0° – 80°	4,038	98.2%
0° – 90°	4,111	100.0%
90° – 180°	0	0.0%
0° – 180°	4,111	100.0%

Cone of Light

Distance to Work Plane

Foot-Candles (FC) at Nadir

6'   45 FC
8'   27 FC
10'   18 FC
Nadir 0°
12'   14 FC

OPTIONS

- *Optional surface mounting kits (SMK22) mounts below the ceiling.*

- *Optional flange mounting kits provide for recessed installation on plaster or other hard ceilings. Attach Flange Mount Kit (FLANGEKIT22-ET) to ceiling joists or other stationary structures, and the panel is mounted flush to the ceiling.*

- *Optional cable mounting kits provide additional security, as well as suspended mounting. Attach one end of the Cable Mount Kit (LEDPNL-CMK) to luminaire earthquake clips using spring clips, and attach the other end to stationary structures using the adjustable, locking ceiling attachment (see picture below right).*

- *Optional bracket for emergency battery backup unit (LEDPNL-EMBRKT) provides structural support to prevent panels from bending the battery backups are installed.*

2.0"

Surface Mounting Kit (SMK22)

1.5"

Flange Mounting Kit (FLANGEKIT22-ET)

Cable Mounting Kit (LEDPNL-CMK)

Spring Clip: Attaches to earthquake clip

Adjustable, Locking Ceiling Attachment

Depress plunger to unlock cable
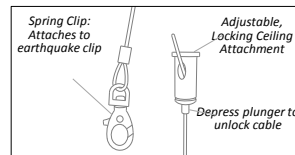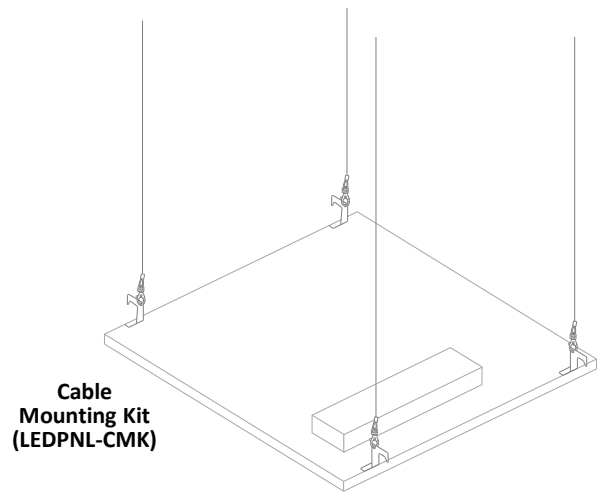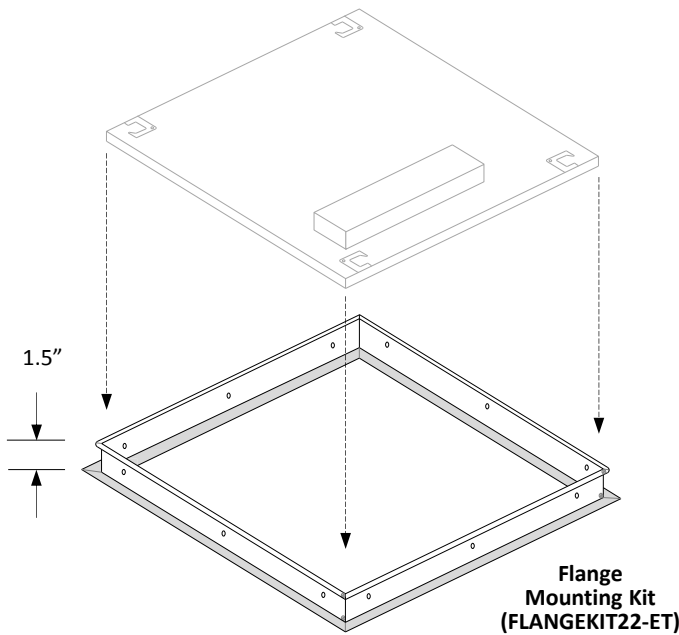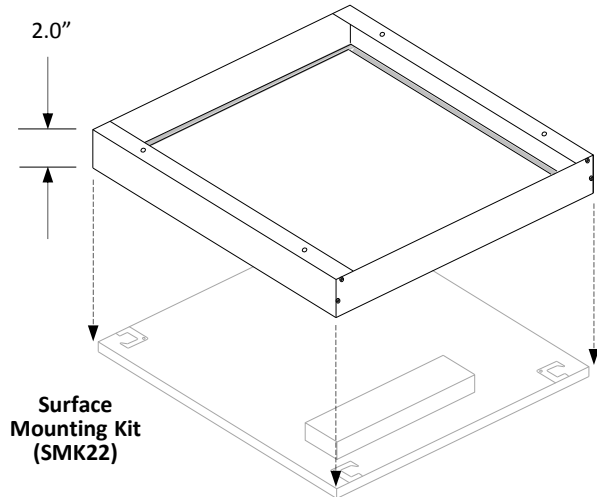
Cable Mount Kit:
- *Spring Clip*
- *Adjustable, locking ceiling attachment*

Bracket for Emergency Battery Backup Unit (LEDPNL-EMBRKT)