

APM-LEDPNL2X2-32W-CT

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



Project:	
Type:	
Catalog #:	

STANDARD



The premium-performance, ultra-thin, edge-lit LED panel (APM-LEDPNL PRM-ECO) series offers industry-leading lumens per watt (LPW). It 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 238,000 hours of operation with at least 70% of initial lumen output (L_{70}).^{**}
- Provides 4,183 luminaire lumens (131 lumens per watt, LPW) at 3000k; 4,201 luminaire lumens (131 LPW) at 3500k; 4,219 luminaire lumens (132 LPW) at 4000k, and 4,254 luminaire lumens (133 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) light guide panels for optimal light distribution, efficiency and longevity.
- 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.



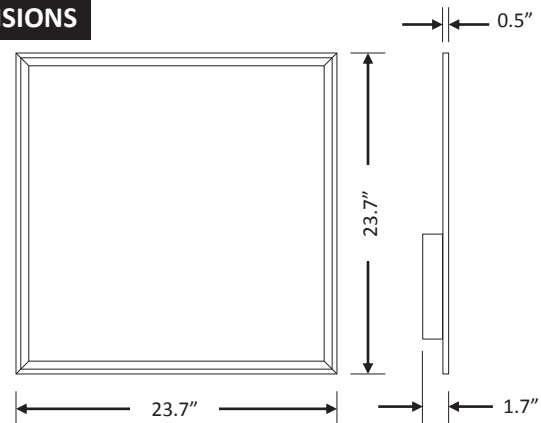
WARRANTY & LISTINGS

- cETLus listed for damp locations and insulated ceilings (IC-rated) for use in ambient temperatures from -25°C to 45°C (-13°F to 113°F).
- DLC premium approved.
- Flicker-free per IEEE1789-2015 (no observable adverse effects of flicker at 100% light output level).
- Complies with RoHS (Restriction on Hazardous Substances) requirements.
- Complies with FCC Part 15, part B.
- Complies with IEEE C.62.41, input transient protection (1kV).
- 5-year warranty of all electronics and housing.

MOUNTING KITS

- Optional surface mounting kits (LEDSEMT-22), and flange mounting kits (FLANGEKIT22-ET) provide for installation on plaster or other hard ceilings.
- Optional cable mounting kits (LEDPNL-CMK) provide additional security, as well as suspended mounting.

DIMENSIONS



Weight: 6.6 lbs.

ORDERING INFORMATION

Example: APMLEDPNL2X2-32W-3KMV-PRM-ECO + LEDSEMT-22 + LEDPNL-EMBRKT

Model	Luminaire Watts	Luminaire Lumens	Lumens/Watt	Color Temperature	Input Voltage	Accessories (Order Separately)
APM-LEDPNL2X2-32W	32	4,183 4,201 4,219 4,254	131 131 132 133	3K = 3000k 35K = 3500K 4K = 4000k 5K = 5000k	MV-PRM-ECO = Multi-volt (120-277V)	LEDSEMT-22 = Surface Mounting Kit (2x2) FLANGEKIT22-ET = Flange Mounting Kit (2x2) LEDPNL-CMK = Cable Mounting Kit, Quantity 6, 1 meter long, 1/16" diameter, with spring clips & adjustable locking ceiling attachment 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	L ₇₀ Hours ⁴
							120V	240V	277V			
APM-LEDPNL2X2-32W-3KMV-PRM-ECO	3000k	> 80	4,183	32	131	120-277	0.27	0.13	0.12	>0.90	< 20%	238,000
APM-LEDPNL2X2-32W-35KMV-PRM-ECO	3500k	> 80	4,201	32	131	120-277	0.27	0.13	0.12	> 0.90	< 20%	238,000
APM-LEDPNL2X2-32W-4KMV-PRM-ECO	4000k	> 80	4,219	32	132	120-277	0.27	0.13	0.12	> 0.90	< 20%	238,000
APM-LEDPNL2X2-32W-5KMV-PRM-ECO	5000k	> 80	4,254	32	133	120-277	0.27	0.13	0.12	> 0.90	< 20%	238,000

¹ Color rendering index.

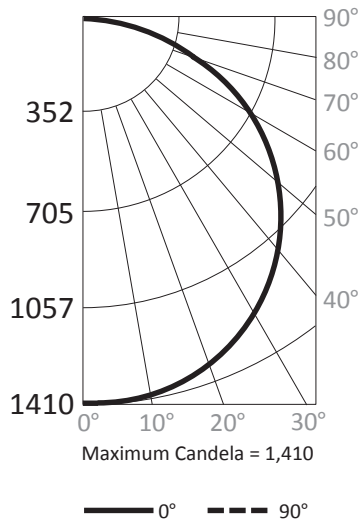
² All 50-60Hz.

³ Total harmonic distortion.

⁴ L₇₀ refers to the number of hours at which lumen output declines to 70% of the initial level. L₇₀ hours are IES TM-21-11 calculated hours.

PHOTOMETRIC DATA

APM-LEDPNL2X2-32W-5KMV-PRM-ECO (4,254 Lumens)



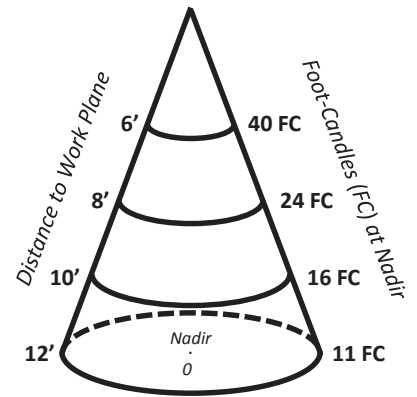
Candlepower Summary

	0°	90°
0°	1,410	1,410
10°	1,393	1,384
20°	1,343	1,318
30°	1,252	1,208
40°	1,111	1,055
50°	918	861
60°	683	635
70°	426	390
80°	172	150
90°	0	0

Zonal Lumen Summary

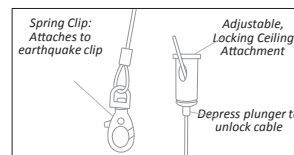
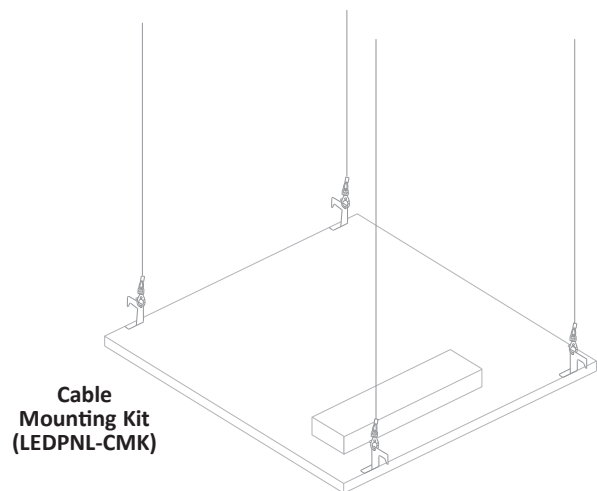
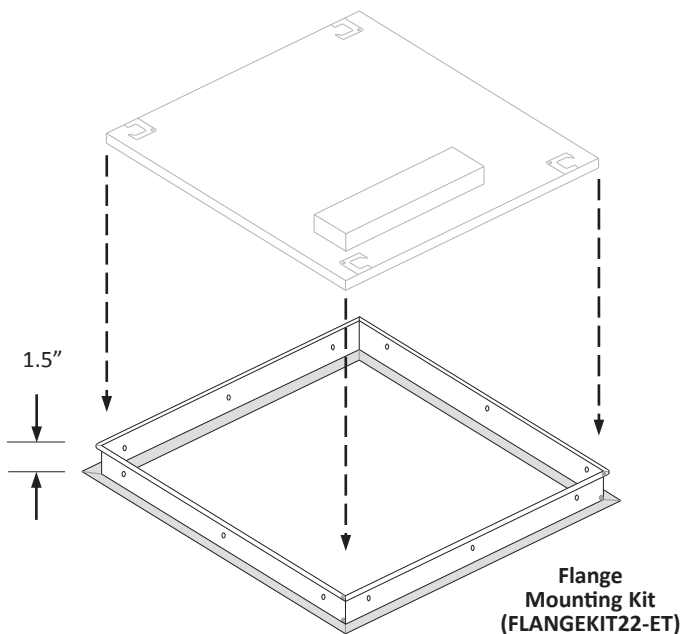
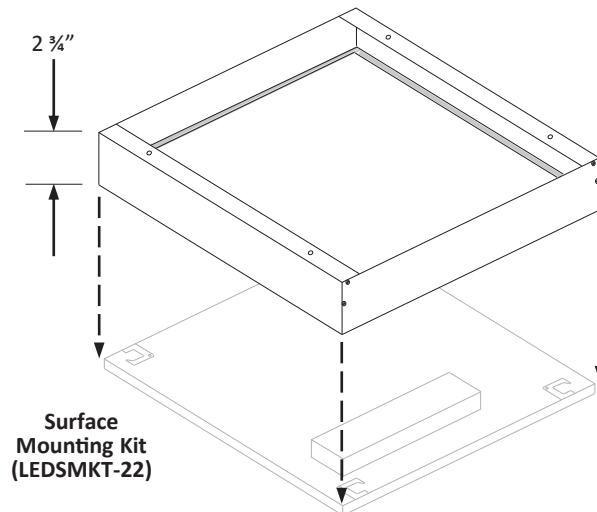
Zone	Lumens	% Fixture
0° - 10°	134	3.1%
0° - 20°	520	12.2%
0° - 30°	1,115	26.2%
0° - 40°	1,846	43.4%
0° - 50°	2,617	61.5%
0° - 60°	3,321	78.1%
0° - 70°	3,861	90.8%
0° - 80°	4,170	98.0%
0° - 90°	4,254	100.0%
90° - 180°	0	0.0%
0° - 180°	4,254	100.0%

Cone of Light



OPTIONS

- Optional surface mounting kits (LEDSMKT-22) 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 when the battery backups are installed.



Cable Mount Kit:

- Spring Clip
- Adjustable, locking ceiling attachment

