Project:	
Type:	
Catalog #:	

STANDARD

The premium-performance, ultra-thin, edge-lit LED panel (APM2X2-32W-PCO) 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

- $_{c}ETL_{US}$ 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 (LEDSMKT-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

0.5"
23.7"
23.7"
1.7"
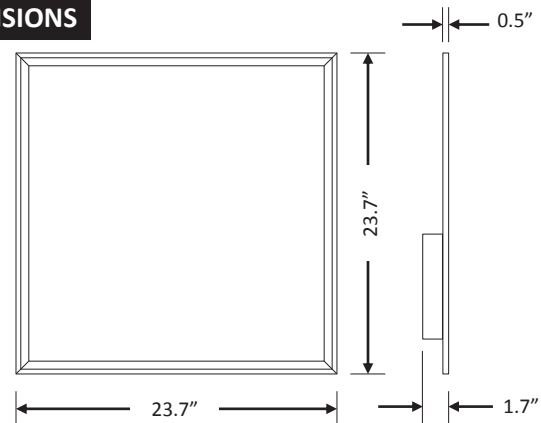
Weight: 6.6 lbs.

ORDERING INFORMATION

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

Model	Luminaire Watts	Luminaire Lumens	Lumens/ Watt	Color Temperature	Input Voltage	Accessories (Order Separately)	
APM2X2-32W-CT	32	4,183	131	3K = 3000k	MV-PRM-ECO = Multi-volt (120-277V)	LEDSMKT-22	= Surface Mounting Kit (2x2)
		4,201	131	35K = 3500K		FLANGEKIT22-ET	= Flange Mounting Kit (2x2)
		4,219	132	4K = 4000k		LEDPNL-CMK	= Cable Mounting Kit, Quantity 6, 1 meter long, 1/16" diameter, with spring clips & adjustable locking ceiling attachment
		4,254	133	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			
APM2X2-32W-3KMV-PCO	3000k	> 80	4,183	32	131	120-277	0.27	0.13	0.12	>0.90	< 20%	238,000
APM-2X2-32W-35KMV-PCO	3500k	> 80	4,201	32	131	120-277	0.27	0.13	0.12	> 0.90	< 20%	238,000
APM2X2-32W-4KMV-PCO	4000k	> 80	4,219	32	132	120-277	0.27	0.13	0.12	> 0.90	< 20%	238,000
APM-2X2-32W-5KMV-PCO	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] 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

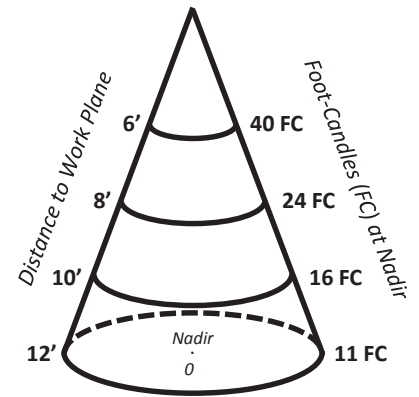### APM2X2-32W-5KMV-PCO (4,254 Lumens)

Maximum Candela = 1,410

—— 0°   - - - 90°
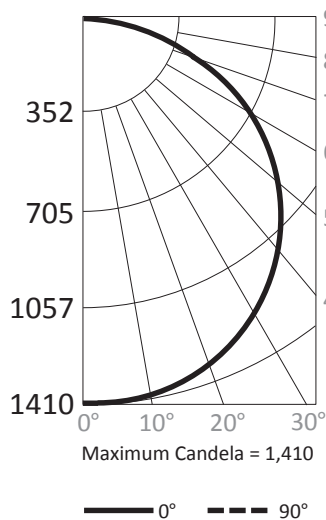
Candlepower Summary

	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

Distance to Work Plane | Foot-Candles (FC) at Nadir

6'		40 FC
8'		24 FC
10'		16 FC
12'	Nadir 0	11 FC

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.*

2 ¾"

**Surface
Mounting Kit
(LEDSMKT-22)**

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*
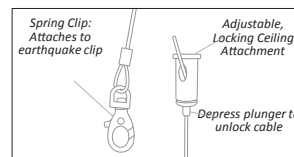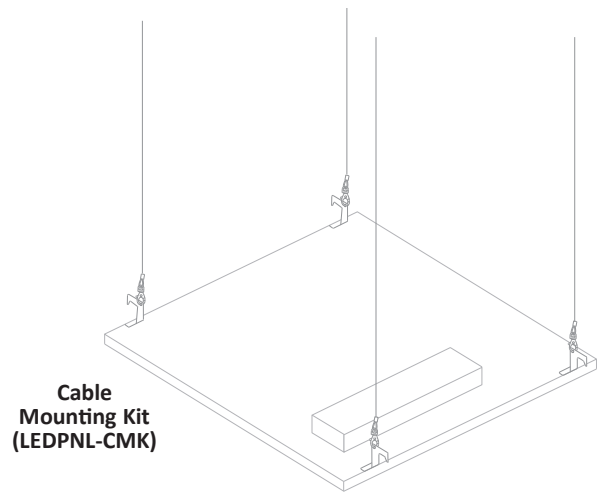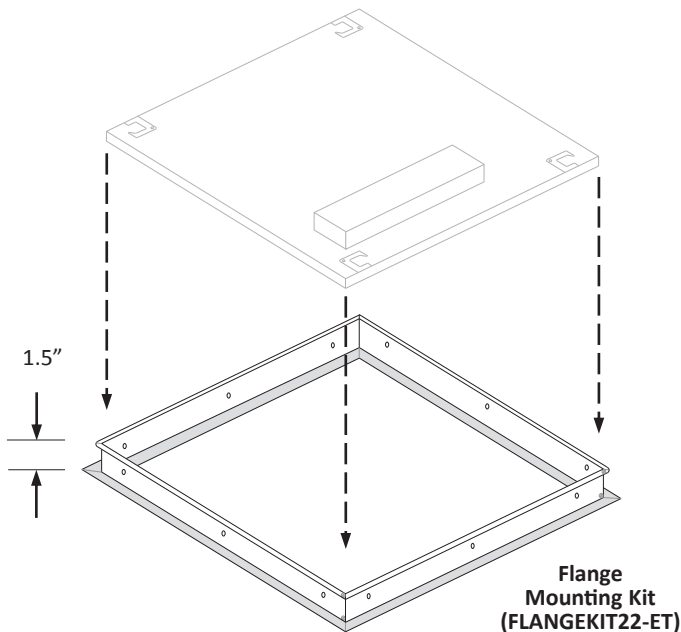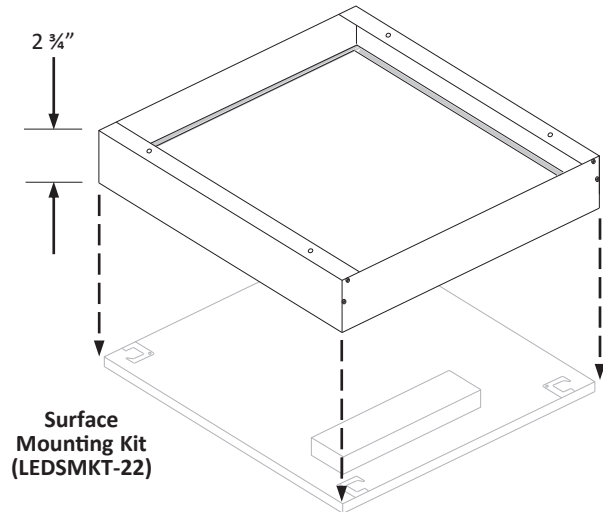
Cable Mount Kit:
- *Spring Clip*
- *Adjustable, locking ceiling attachment*

**Bracket for
Emergency Battery
Backup Unit
(LEDPNL-EMBRKT)**