

PROlite LED Lighting™

A Division of Emergensee® Lighting, Inc.

TYPE: _____ DATE: _____

JOB NAME: _____

CONTRACTOR: _____

CATALOG NO: _____

NOTES: _____

PLEDPNL1X4-PRM-CP

Premium Performance 1x4 Ultra-Thin Edge-Lit LED Panel



FEATURES

- Available in 3000k (warm white), 3500k (warm/neutral white) 4000k (neutral white) & 5000k (cool white) color temperatures.*
- Long-life LEDs provide 199,000 hours of operation with at least 70% of initial lumen output (L70).**
- Provides 4,011 luminaire lumens (125 lumens per watt, LPW) at 3000k, 4,051 luminaire lumens (127 LPW) at 3500k; 4,075 luminaire lumens (127 LPW) at 4000k, and 4,122 luminaire lumens (129 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.
- 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

**L₇₀ hours are IES TM-21-11 calculated hours

The premium-performance, ultra-thin, edge-lit LED panel (PLEDPNL1X4-PRM-CP) series offers industry-leading lumens per watt (LPW). This family of luminaires 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.

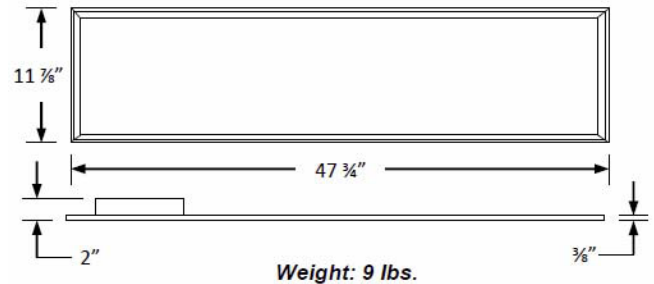
MOUNTING OPTIONS

- Optional Surface Mount Kits (LEDSMKT-14) and Flange Mounting Kits (FLANGEKIT14-ET) provide for installation on plaster or other hard ceilings.
- Optional Cable Mounting Kits (LEDPNL-CMK) provide additional security, as well as suspended mounting.

WARRANTY & LISTINGS

- cULus for damp locations and insulated ceilings (IC-rated). Suitable for ambient temperatures from -20°C to 50°C (-4°F to 122°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, class B.
- Complies with EN61000-4-5, surge immunity protection (1kV).
- 5-year warranty of all electronics and housing.

DIMENSIONS

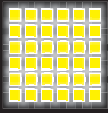


ORDERING INFORMATION: PLEDPNL1X4-32W-3KMV-PRM-CP + LEDSMKT-14 + LEDPNL-CMK

MODEL	LUMINAIRE WATTS	LUMINAIRE LUMENS	LUMENS/WATT	COLOR TEMP	Options (Order Separately)
PLEDPNL1X4-32W-3KMV-PRM-CP	32	4,011	125	3KMV-PRM-CP= 3000k	LEDSMKT-14=Surface Mounting Kit (1x4) FLANGEKIT14-ET=Flange Mounting Kit (1x4) LEDPNL-CMK=Cable Mounting Kit, Quantity 6, 1 meter long, 1/16" diameter, with spring clips & adjustable, locking ceiling attachment
PLEDPNL1X4-32W-35KMV-PRM-CP		4,051	127	35KMV-PRM-CP= 3500K	
PLEDPNL1X4-32W-4KMV-PRM-CP		4,075	127	4KMV-PRM-CP= 4000k	
PLEDPNL1X4-32W-5KMV-PRM-CP		4,122	129	5KMV-PRM-CP= 5000k	

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ELECTRICAL DATA

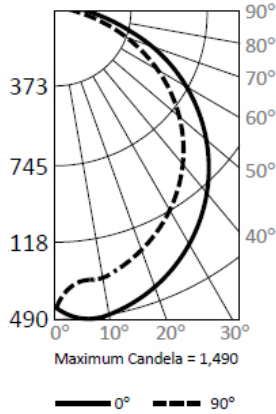
MODEL	COLOR TEMP	CRI ¹	LUMINAIRE LUMENS	LUMINAIRE WATTS	LUMENS/WATT	INPUT VOLTAGE	INPUT CURRENT (A)			POWER FACTOR	THD ²	L ₇₀ HOURS ³
							120V	240V	277V			
PLEDPNL1X4-32W-3KMV-PRM-CP	3000k	> 80	4,011	32	125	120-277	0.27	0.13	0.12	> 90%	< 20%	199,000
PLEDPNL1X4-32W-35KMV-PRM-CP	3500K	> 80	4,051	32	127	120-277	0.27	0.13	0.12	> 90%	< 20%	199,000
PLEDPNL1X4-32W-4KMV-PRM-CP	4000k	> 80	4,075	32	127	120-277	0.27	0.13	0.12	> 90%	< 20%	199,000
PLEDPNL1X4-32W-5KMV-PRM-CP	5000k	> 80	4,122	32	129	120-277	0.27	0.13	0.12	> 90%	< 20%	199,000

¹ Color rendering index

² Total harmonic distortion

³ 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



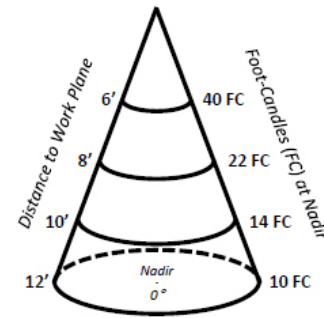
Candlepower Summary

	0°	90°
0°	1,427	1,427
10°	1,445	1,350
20°	1,343	1,296
30°	1,198	1,182
40°	1,011	1,016
50°	790	798
60°	553	563
70°	311	311
80°	96	81
90°	0	0

Zonal Lumen Summary

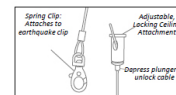
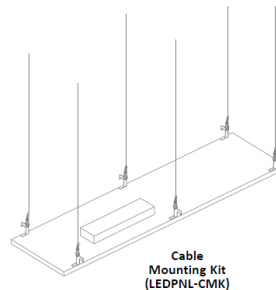
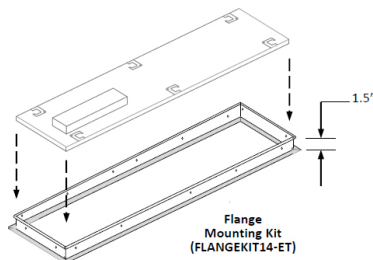
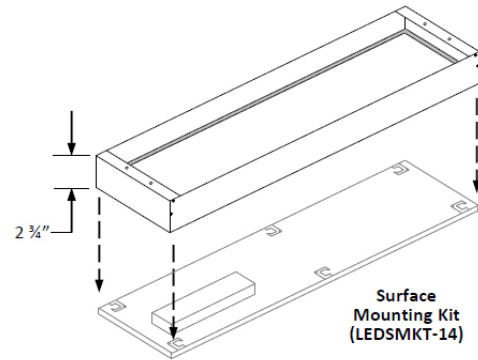
Zone	Lumens	% Fixture
0° – 10°	35	0.8%
0° – 20°	309	7.4%
0° – 30°	819	19.8%
0° – 40°	1,496	36.1%
0° – 50°	2,247	54.2%
0° – 60°	2,970	71.6%
0° – 70°	3,569	86.0%
0° – 80°	3,971	95.7%
0° – 90°	4,149	100.0%
90° – 180°	0	0.0%
0° – 180°	4,149	100.0%

Cone of Light



OPTIONS

- Optional surface mounting kits (LEDSMKT-14) mounts below the ceiling.
- Optional flange mounting kits provide for recessed installation on plaster or other hard ceilings. Attach Flange Mount Kit (FLANGEKIT14-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).



Cable Mount Kit:
 • Spring Clip
 • Adjustable, locking ceiling attachment