LEDPNL1X4-PRM-CP

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

Project:	
Type:	
Catalog #:	

STANDARD

The premium-performance, ultra-thin, edge-lit LED panel (LEDPNL1X4-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.

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 (L_{70}).***
- *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.*
- *PMMA (polymethyl methacrylate) light guide panels for optimal light distribution, efficiency and longevity.*
- *Easy installation in new construction or retrofit.*
- *Standard mounting options include recessed mounting in grid ceilings. 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

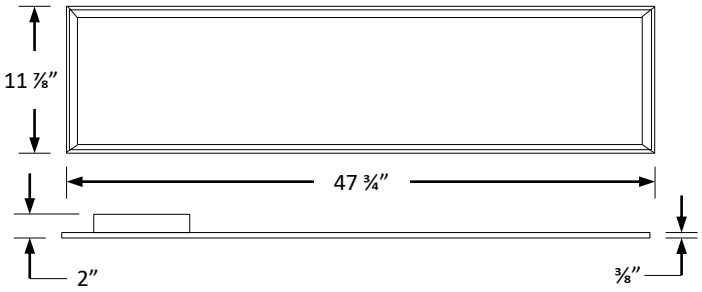
- *cULus for damp locations and insulated ceilings (IC-rated). Suitable for ambient temperatures from -20°C to 50°C (-4°F to 122°F).*
- *DLC premium approved.*
- *Flicker-free per IEEE1789-2015 (no observable adverse effects of flicker at 100% light output level).*
- *Complies with RoHS (Restriction 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.*

MOUNTING KITS

See below for details

- *Optional Surface Mount Kits (LEDSMKT-14) and Flange Mounting Kits (FLANGEKIT14-ET) provide for installation on plaster or other hard ceilings.*

DIMENSIONS



Weight: 9 lbs.

ORDERING INFORMATION

Example: LEDPNL1X4-32W-3KMV-PRM-CP + LEDSMKT-14

Model	Luminaire Watts	Luminaire Lumens	Lumens/ Watt	Color Temperature	Options (Order Separately)
LEDPNL1X4-32W	32	4,011	125	3KMV-PRM-CP = 3000k	LEDSMKT-14 = Surface Mounting Kit (1x4)
		4,051	127	35KMV-PRM-CP = 3500K	FLANGEKIT14-ET = Flange Mounting Kit (1x4)
		4,075	127	4KMV-PRM-CP = 4000k	
		4,122	129	5KMV-PRM-CP = 5000k	

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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			
LEDPNL1X4-32W-3KMV-PRM-CP	3000k	> 80	4,011	32	125	120-277	0.27	0.13	0.12	> 90%	< 20%	199,000
LEDPNL1X4-32W-35KMV-PRM-CP	3500k	> 80	4,051	32	127	120-277	0.27	0.13	0.12	> 90%	< 20%	199,000
LEDPNL1X4-32W-4KMV-PRM-CP	4000k	> 80	4,075	32	127	120-277	0.27	0.13	0.12	> 90%	< 20%	199,000
LEDPNL1X4-32W-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.

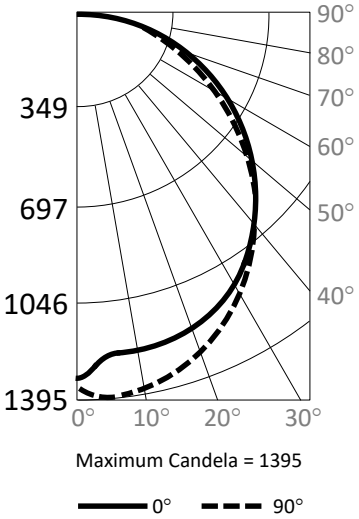
[2] All 50-60Hz.

[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

LEDPNL1X4-32W-3KMV-PRM-CP (4,011 Lumens)



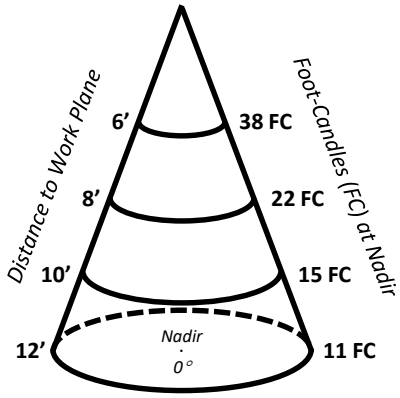
Candlepower Summary

	0°	90°
0°	1,334	1,334
10°	1,239	1,378
20°	1,197	1,310
30°	1,115	1,192
40°	987	1,032
50°	802	840
60°	602	625
70°	374	402
80°	160	194
90°	1	17

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	127	3.2%
0° – 20°	495	12.3%
0° – 30°	1,059	26.4%
0° – 40°	1,747	43.5%
0° – 50°	2,464	61.4%
0° – 60°	3,114	77.6%
0° – 70°	3,613	90.1%
0° – 80°	3,909	97.5%
0° – 90°	4,001	99.8%
90°– 180°	10	0.2%
0° – 180°	**4,011**	**100.0%**

Cone of Light



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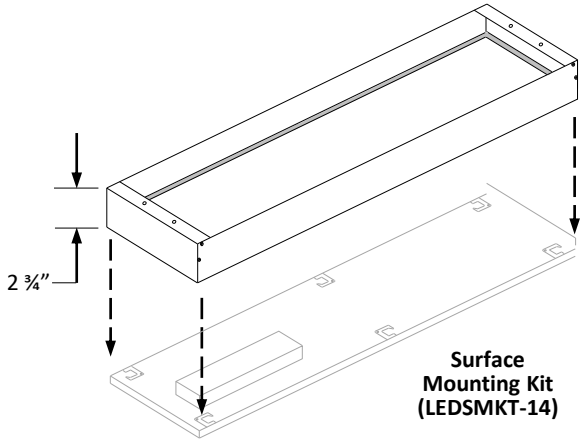
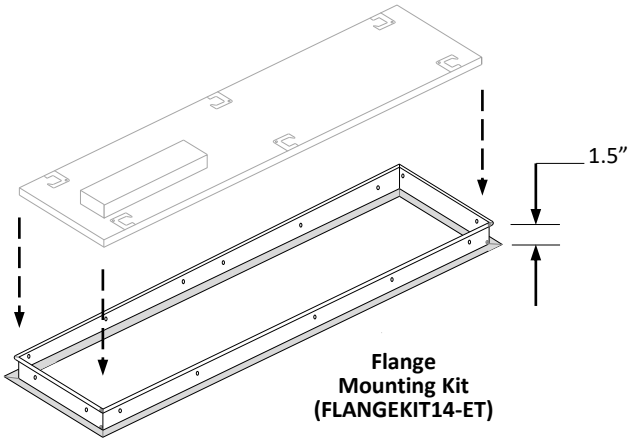
OPTIONS

- *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.*



Surface Mounting Kit (LEDSMKT-14)



Flange Mounting Kit (FLANGEKIT14-ET)