

# LEDFP24UNV-XXK

## 50 Watt 2x4 Ultra-Thin Edge-Lit LED Panel



Project:	
Type:	
Catalog #:	

### STANDARD



The ultra-thin, edge-lit LED panel (LEDFP.) series 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 5000k color temperatures.\*
- Long-life LEDs provide 63,000 hours of operation with at least 70% of initial lumen output (L<sub>70</sub>).<sup>\*\*</sup>
- LEDFP24UNV-50W Provides 5,062 luminaire lumens (108 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.  
<sup>\*\*</sup> L<sub>70</sub> hours are IES TM-21-11 calculated hours.



### WARRANTY & LISTINGS

- ETL listed to applicable U.L. standards for damp locations and insulated ceilings (IC-rated). Suitable for ambient temperatures from -25°C to 45°C (-13°F to 113°F).
- DLC standard approved.
- Complies with RoHS (Restriction on Hazardous Substances) requirements.
- Complies with FCC Part 15.
- 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 as suspended mounting.

### DIMENSIONS



Weight: 15.5 lbs.

### ORDERING INFORMATION

Example:

Model	Luminaire Watts	Luminaire Lumens	Lumens/Watt	Color Temperature	Options (See below for details)
LEDFP24UNV-50K	50 = 47W	5,062	108	50K	LEDFP24SMK = Surface Mounting Kit (2x4) LYFK24 = Flange Mounting Kit (2x4) GRIPPLE10 = Cable Mounting Kit, Quantity 10' & 15' long, 1/16" diameter, with spring clips & adjustable, locking ceiling attachment GRIPPLE15 LEDFP24EMBRKT= Bracket for emergency battery backup unit
LEDFP24UNV-40K	50 = 47W	4,652	99	40K	

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## ELECTRICAL DATA

Model	Color Temperature	CRI <sup>1</sup>	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage <sup>2</sup>	Input Current (A)			Power Factor	THD <sup>3</sup>	L <sub>70</sub> Hours <sup>4</sup>
							120V	240V	277V			
LEDFP24UNV-40K	4000k	> 80	4,652	47	99	120-277	0.39	0.20	0.17	> 90%	< 20%	63,000
LEDFP24UNV-50K	5000k	> 80	5,062	47	108	120-277	0.39	0.20	0.17	> 90%	< 20%	63,000

<sup>1</sup> Color rendering index.

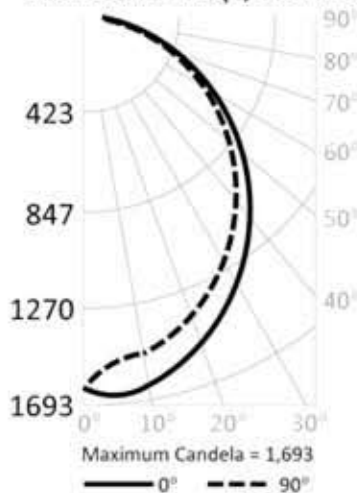
<sup>2</sup> All 50-60Hz.

<sup>3</sup> Total harmonic distortion.

<sup>4</sup> L<sub>70</sub> refers to the number of hours at which lumen output declines to 70% of the initial level. L<sub>70</sub> hours are IES TM-21-11 calculated hours.

## PHOTOMETRIC DATA

LEDFP24UNV-40K (4,652 Lumens)



### Candlepower Summary

	0°	90°
0°	1,621	1,621
10°	1,633	1,489
20°	1,516	1,389
30°	1,341	1,239
40°	1,127	1,042
50°	879	815
60°	612	570
70°	340	305
80°	98	76
90°	0	0

### Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	39	0.8%
0° – 20°	346	7.4%
0° – 30°	918	19.7%
0° – 40°	1,677	36.0%
0° – 50°	2,517	54.1%
0° – 60°	3,327	71.5%
0° – 70°	3,999	86.0%
0° – 80°	4,451	95.7%
0° – 90°	4,652	100.0%
90° – 180°	0	0.0%
0° – 180°	4,652	100.0%

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