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| Project: | |
| Type: | |
| Catalog #: | |


STANDARD


The ultra-thin, edge-lit LED panel (ADMPNL) 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 3000k (warm white), 3500k (warm/neutral white) 4000k (neutral white) & 5000k (cool white) color temperatures.*
- Long-life LEDs provide 63,000 hours of operation with at least 70% of initial lumen output (L_{70}).**
- ADMPNL2x4-50W Provides 4,652 luminaire lumens (99 lumens per watt, LPW) at 3000k, 3500k & 4000k, and 5,062 luminaire lumens (108 LPW) at 5000k.*
- ADMPNL2x4-70W provides 6,567 luminaire lumens (97 LPW) at 3000k, 6,645 luminaire lumens (98 LPW) at 3500k & 4000k, and 7,325 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.

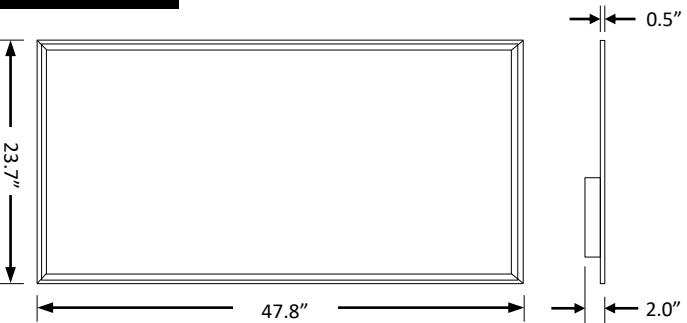
** L_{70} hours are IES TM-21-11 calculated hours.

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 Mount Kits (ADMSMKT-24) and Flange Mounting Kits (FLANGEKIT24-ET) provide for installation on plaster or other hard ceilings.
- Optional Cable Mounting Kits (ADMPNL-CMK) provide additional security, as well as suspended mounting.

DIMENSIONS


Weight: 15.5 lbs.

ORDERING INFORMATION

Example: ADMPNL2x4-50W-3K + ADMSMKT-24 + ADMPNL-EMBRKT

| Model | Luminaire Watts | Luminaire Lumens | Lumens/Watt | Color Temperature | Options (Ordered Separately) |
|---------------|-----------------|----------------------------------|-----------------------|--|--|
| ADMPNL2X4-50W | 47W | 4,652 4,652 4,652 5,062 | 99 99 99 108 | 3K = 3000k 35k= 3500k 4K = 4000k 5K = 5000k | ADMSMKT-24 = Surface Mounting Kit (2x4) FLANGEKIT24-ET = Flange Mounting Kit (2x4) ADMPNL-CMK = Cable Mounting Kit, Quantity 6, 1 meter long, 1/16" diameter, with spring clips & adjustable, locking ceiling attachment |
| ADMPNL2X4-70W | 68W | 6,567 6,645 6,645 7,325 | 97 98 98 108 | 3K = 3000k 35k= 3500k 4K = 4000k 5K = 5000k | ADMPNL-EMBRKT = Bracket for emergency battery backup unit |

ADMPNL2X4-50W/70W 50/70 Watt 2x4 Ultra-Thin Edge-Lit LED Panel



ELECTRICAL DATA

| Model | Color Temperature | 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 | | | |
| ADMPNL2X4-50W-3K | 3000k | > 80 | 4,652 | 47 | 99 | 120-277 | 0.39 | 0.20 | 0.17 | > 90% | < 20% | 63,000 |
| ADMPNL2X4-50W-35K | 3500k | > 80 | 4,652 | 47 | 99 | 120-277 | 0.39 | 0.20 | 0.17 | > 90% | < 20% | 63,000 |
| ADMPNL2X4-50W-4K | 4000k | > 80 | 4,652 | 47 | 99 | 120-277 | 0.39 | 0.20 | 0.17 | > 90% | < 20% | 63,000 |
| ADMPNL2X4-50W-5K | 5000k | > 80 | 5,062 | 47 | 108 | 120-277 | 0.39 | 0.20 | 0.17 | > 90% | < 20% | 63,000 |
| ADMPNL2X4-70W-3K | 3000k | > 80 | 6,567 | 68 | 97 | 120-277 | 0.57 | 0.28 | 0.25 | > 90% | < 20% | 63,000 |
| ADMPNL2X4-70W-35K | 3500k | > 80 | 6,645 | 68 | 98 | 120-277 | 0.57 | 0.28 | 0.25 | > 90% | < 20% | 63,000 |
| ADMPNL2X4-70W-4K | 4000k | > 80 | 6,645 | 68 | 98 | 120-277 | 0.57 | 0.28 | 0.25 | > 90% | < 20% | 63,000 |
| ADMPNL2X4-70W-5K | 5000k | > 80 | 7,325 | 68 | 108 | 120-277 | 0.57 | 0.28 | 0.25 | > 90% | < 20% | 63,000 |

¹ Color rendering index.

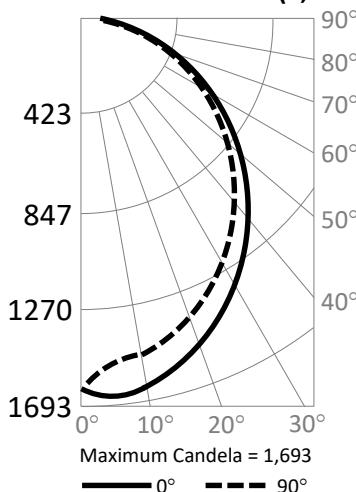
² All 50-60Hz.

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

ADMPNL2X4-50W-4K (4,652 Lumens)

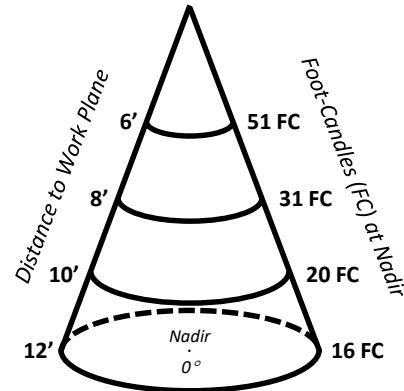


Candlepower Summary

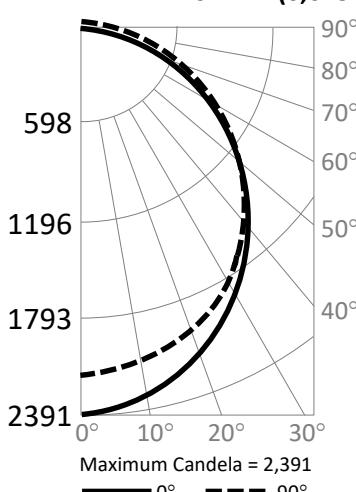
Zonal Lumen Summary

| 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% |

Cone of Light



ADMPNL2X4-70W-4K (6,645 Lumens)

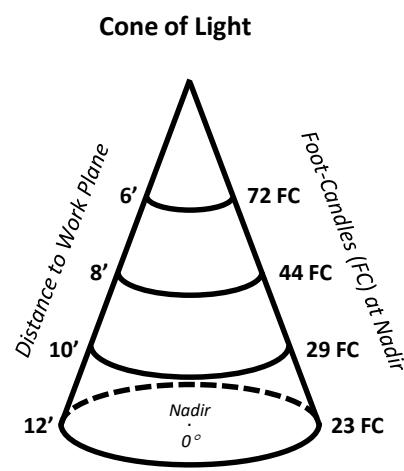


Candlepower Summary

Zonal Lumen Summary

| Zone | Lumens | % Fixture |
|------------|--------|-----------|
| 0° – 10° | 56 | 0.8% |
| 0° – 20° | 491 | 7.4% |
| 0° – 30° | 1,305 | 19.6% |
| 0° – 40° | 2,388 | 35.9% |
| 0° – 50° | 3,593 | 54.1% |
| 0° – 60° | 4,754 | 71.5% |
| 0° – 70° | 5,718 | 86.1% |
| 0° – 80° | 6,362 | 95.7% |
| 0° – 90° | 6,645 | 100.0% |
| 90° – 180° | 0 | 0.0% |
| 0° – 180° | 6,645 | 100.0% |

Cone of Light

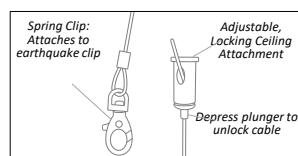
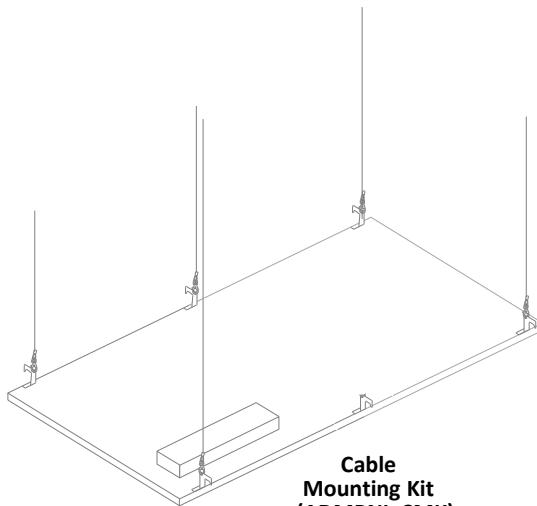
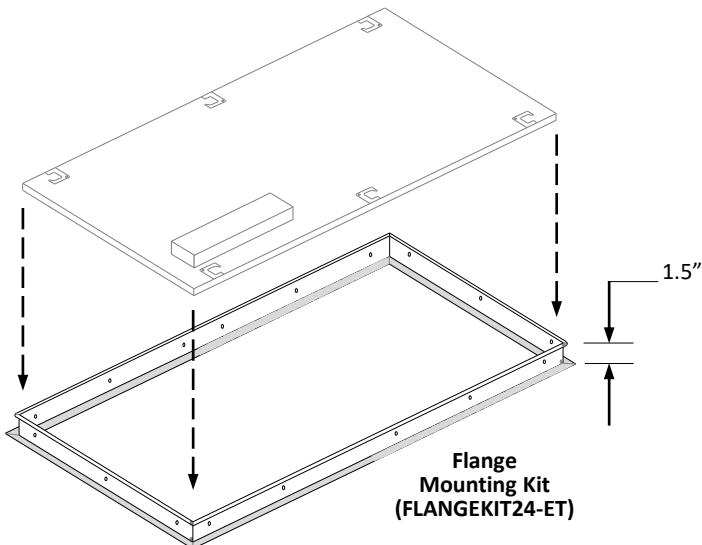
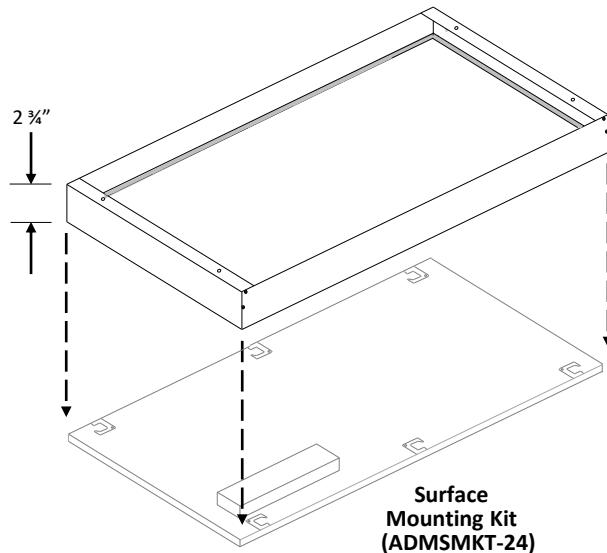


ADMPNL2X4-50W/70W 50/70 Watt 2x4 Ultra-Thin Edge-Lit LED Panel

FME
Lighting | ILLUMINATING INDUSTRIAL LOCATIONS

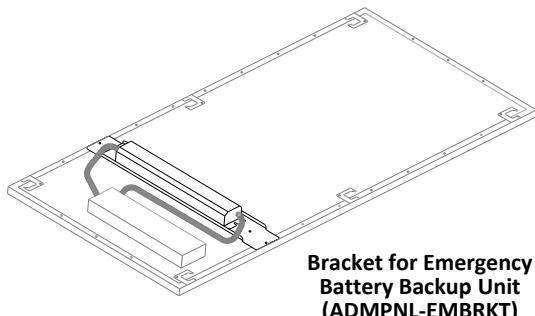
OPTIONS

- Optional surface mounting kits (ADMSMKT-24) mounts below the ceiling.
- Optional flange mounting kits provide for recessed installation on plaster or other hard ceilings. Attach Flange Mount Kit (FLANGEKIT24-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 (ADMPNL-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 (ADMPNL-EMBRKT) provides structural support to prevent panels from bending when the battery backups are installed.



Cable Mount Kit:

- Spring Clip
- Adjustable, locking ceiling attachment



Bracket for Emergency Battery Backup Unit (ADMPNL-EMBRKT)