

DATE:	PROJECT:
TYPE:	NOTES:
CATALOG #:	

PNL | 2x4 MULTI-SELECT FLAT PANEL

3 SELECTABLE LUMENS | 3 SELECTABLE CCTS

HOUSING

- Steel frame and housing backplate.
- Low-profile, back-lit construction.

ELECTRICAL

- Universal 120-277V AC input, 50-60Hz.
- 0-10VDC dimming drivers are standard.
- Input transient surge protection: 1kV.
- Power factor >0.90; THD <20%.
- Optional emergency driver available.
- Operating ambient: -20°C to 40°C (-4°F to 104°F).

OPTICAL SYSTEM

- PMMA lenses for light distribution and longevity.
- Selectable 3500K, 4000K and 5000K CCT.*
- Selectable nominal 3,300 / 4,500 / 5,000 lm.*
- CRI >80; uniform light with no visible pixilation.
- L70 144,000 hours; L90 44,000 hours.**

MOUNTING

- Recessed grid ceiling or suspended mounting with attached brackets.
- Standard earthquake clips; optional surface, flange and cable kits.

WARRANTY

- 5-year warranty on electronics and housing



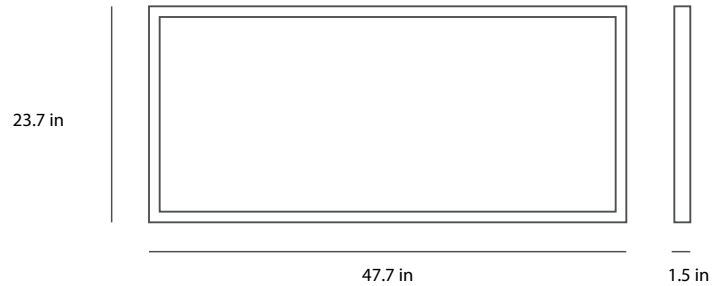
2x4 back-lit LED panel

DAMP IC RATED DLC PREMIUM

CODE COMPLIANCE

- cULus for damp locations and insulated ceilings.
- DLC Premium approved; FCC Part 15, Class B.
- Flicker-free per IEEE 1789-2015 at 100% output.

DIMENSIONS



Fixture weight: 9 lb

Source-listed product dimensions and weight

* Other CCTs / lumen packages: contact factory.

** L70 hours calculated per IES TM-21-11.

Part #	Model #
PNL2X4-50L-LKFS-PRM	01-112999-000046

ORDERING INFORMATION

Example: PNL2X4-50L-LKFS-PRM

Series	Maximum lumens	Selectable output / CCT	DLC	Emergency driver
PNL2X4	50L	LKFS* 3,300 / 4,500 / 5,000 lm 3500 / 4000 / 5000K	PRM Premium	Blank: none EM8: 1,040 lm

* Field selectable. Source-listed accessories and driver details appear on the following pages.

ACCESSORIES (ORDER SEPARATELY)

Part number	Description / application
SMKT-24	Surface mounting kit; fixture mounts below ceiling.
FLANGEKIT24-ET	Flange mounting kit; recessed in plaster or other hard ceiling.

Accessory and dimmer codes are reproduced from the 2023 source sheet; confirm current availability.

LUMEN TABLES

Series	Measure	LOW: 3500K	4000K	5000K	MID: 3500K	4000K	5000K	HIGH: 3500K	4000K	5000K
PNL2X4-50L-LKFS-PRM	Lumens	3284	3323	3389	4448	4576	4538	5015	5247	5157
	Watts	24	23	24	33	32	33	38	37	38
	Efficacy (lm/W)	138	148	144	134	144	138	131	141	137

ELECTRICAL DATA - INPUT CURRENT (A)

CCT	Low 120 / 240 / 277V	Mid 120 / 240 / 277V	High 120 / 240 / 277V
3500K	0.20 / 0.10 / 0.09	0.28 / 0.14 / 0.12	0.32 / 0.16 / 0.14
4000K	0.19 / 0.10 / 0.08	0.27 / 0.13 / 0.12	0.31 / 0.15 / 0.13
5000K	0.20 / 0.10 / 0.09	0.28 / 0.14 / 0.12	0.32 / 0.16 / 0.14

All measured output and input current values are reproduced from the supplied 2023 2x4 sheet.

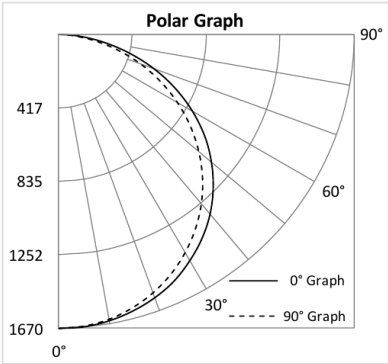
PHOTOMETRICS | PNL2X4-50L-LKFS-PRM

Luminaire data

Description	Premium back-lit panel, 2x4 50L 5K - LKFS
Total lumens	5,157
Input wattage	38 W
Efficacy	137 lm/W
Spacing criterion (0-180°)	1.34
Spacing criterion (90-270°)	1.28

Zonal lumen summary

Zone	Lumens	% fixture
0-20°	614	11.9%
0-30°	1,316	25.5%
0-40°	2,181	42.3%
20-50°	2,491	48.3%
40-70°	2,457	47.6%
0-60°	3,964	76.9%
0-80°	5,039	97.7%
0-90°	5,152	99.9%
90-180°	5	0.1%
0-180°	5,157	100.0%



Polar graph from supplied photometric sheet

COMPATIBLE EMERGENCY DRIVERS

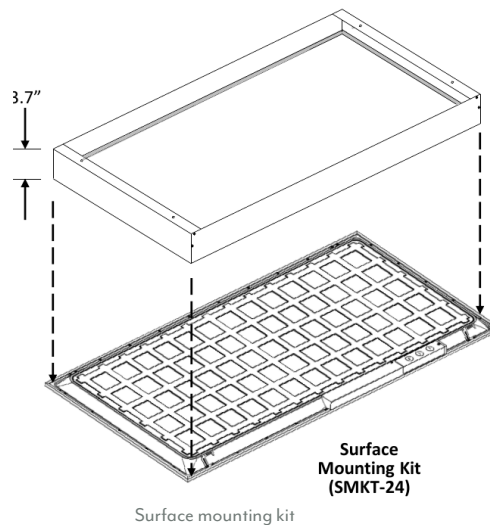
Fixture model	EM8	Runtime
PNL2X4-50L-LKFS-PRM	8 W / 1,040 lm	90 min

*Source specifies emergency drivers for ambient temperatures above 0°C (32°F).

MOUNTING MEANS - ORDER SEPARATELY

SURFACE MOUNT | SMKT-24

- Mounts below the ceiling.
- The source drawing shows the frame secured over the panel; total kit profile is shown as 3.7 in.



FLANGE MOUNT | FLANGEKIT24-ET

- Provides a recessed installation in plaster or another hard ceiling.
- Attach the flange mounting kit to ceiling joists or other stationary structures; mount the panel flush with the ceiling.
- The source drawing shows a 1.5 in. flange depth.

