



RECESSED LED FLAT PANEL · 1X4 · 2X2 · 2X4

Flat panel

Adjustable wattage (20–50 W) and colour temperature (3500, 4000 or 5000 K). Sizes 1x4, 2x2 and 2x4.

6,100_{lm}

LUMENS, 2X4 AT 50 W

127_{lm/W}

EFFICACY, 2X4 AT 30 W

50,000_h

ESTIMATED LED LIFE

120–277_v

UNIVERSAL INPUT

PROJECT

TYPE

CATALOG NO.

DATE



Specification and features

Common to all sizes: 120–277 V · 3500 / 4000 / 5000 K selectable · CRI > 80 · optional 0–10 V dimming · 120° beam angle · damp location · 50,000-hour rated life. Suitable for commercial, retail and institutional applications, including offices, schools and hospitals.

CONSTRUCTION	Aluminum frame. One-piece shell acts as the heat sink. Standard T-bar design locks onto the grid ceiling.	OPTICS	Backlit light engine for uniform surface brightness and light dispersion. 120° beam angle.
COLOUR	Adjustable 3500 K, 4000 K or 5000 K. CRI > 80.	DIMMING	Optional 0–10 V, 10%–100%.
ELECTRICAL	Universal 120–277 VAC. Power factor > 90% and THD < 20% (both drivers). Flicker < 5%.	MOUNTING	Recessed in T-bar grid as standard. Surface and suspended mounting as options.
CONTROLS	Optional occupancy, microwave, multifunction or daylight sensors. Bluetooth sensor or controller. Third-party smart network control and high-end trim compatible. Sensor receptacle.	OUTPUT	Three adjustable wattages per model. Lumen packages 2,500 to 6,100 lm; replaces up to four T8 fluorescent units.
ENVIRONMENT	Damp location. Operating temperature –17 °C to 45 °C [1.4 °F to 113 °F].	LIFE	Estimated 50,000 hours, based on IES LM-80 results and TM-21 calculations.
LISTINGS	UL and cUL listed, damp location. DesignLights Consortium qualified; 2x4 DLC Premium.	WARRANTY	5-year limited.

Features

Three wattages per unit, switch-selected at install	Optional occupancy sensor and emergency battery
Three colour temperatures per unit	Recessed, surface or suspended mounting
Optional 0–10 V dimming to 10%	Damp-location listed
120–277 V universal input	5-year limited warranty

Options



PIR occupancy sensor · M
12–24 V DC plug-in. Factory setting: 100% sensitivity, 5-minute hold, then dims to 30% for 60 minutes.



Emergency battery pack · B
8 W emergency output, 900 lm, 90-minute runtime.

Actual performance may differ with end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C (±5 °C). Specifications subject to change without notice. DLC qualifications: designlights.org.

Output data, every setting

Three output levels per unit, switch-selected on site.

Models

INCHES · [MILLIMETRES]

SIZE	DIMENSIONS	SYSTEM WATTS	LUMENS	NET WEIGHT
1x4 · 14F	47.7 × 11.9 × 1.41 in [1213 × 303 × 36 mm]	20 – 40 W	2500 – 4700 lm	4.3 lb
2x2 · 22F	23.7 × 23.7 × 1.41 in [603 × 603 × 36 mm]	20 – 40 W	2500 – 4700 lm	4.1 lb
2x4 · 24F	47.7 × 23.7 × 1.41 in [1213 × 603 × 36 mm]	30 – 50 W	3800 – 6100 lm	8.1 lb

1x4 · 2x2 · 40 W

SWITCH-SELECTED ON SITE

SETTING	SYSTEM WATTS	LUMENS	LPW
LV1	40 W	4700 lm	118 lm/W
LV2	30 W	3600 lm	120 lm/W
LV3	20 W	2500 lm	125 lm/W

2x4 · 50 W

SWITCH-SELECTED ON SITE

SETTING	SYSTEM WATTS	LUMENS	LPW
LV1	50 W	6100 lm	122 lm/W
LV2	40 W	4900 lm	123 lm/W
LV3	30 W	3800 lm	127 lm/W

Ordering guide

Catalog number breakdown

LEFT TO RIGHT

MFP01 – 22F – 40W – MVOLT – DDK – W – M – B – AD – Y

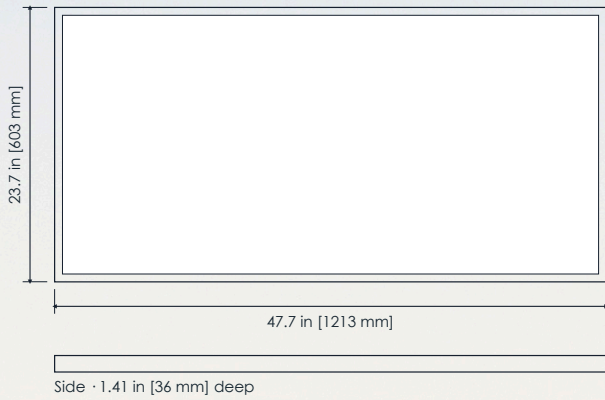
	1	2	3	4	5	6	7	8	9	10
1	Series	MFP01		Flat panel						
2	Size	14F · 22F · 24F		1x4 · 2x2 · 2x4						
3	Wattage	40W · 40W · 50W		platform maximum; LV1 / LV2 / LV3 set on site						
4	Voltage	MVOLT		120–277 V						
5	CCT	DDK		3500 K / 4000 K / 5000 K, set on site						
6	Finish	W		white						
7	Sensor	M		PIR occupancy sensor · blank = none						
8	Battery	B		emergency battery pack · blank = none						
9	Power adj.	AD		field-selectable wattage						
10	Code	Y		factory code · blank = none						

EXAMPLE MFP01 22F 40W MVOLT DDK W M B AD Y — 2x2, 40 W platform, sensor and emergency battery.

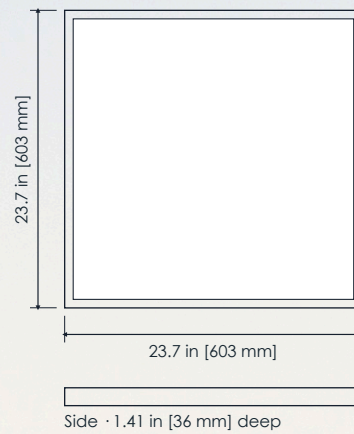
Dimensions and mounting

All three sizes drawn to one scale.

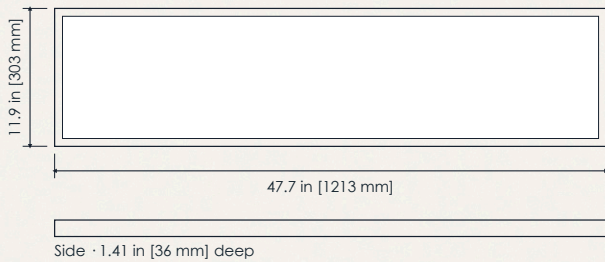
2X4



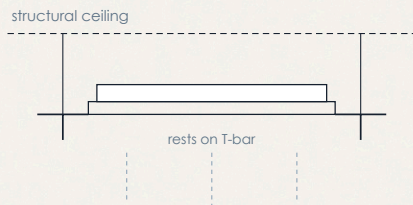
2X2



1X4

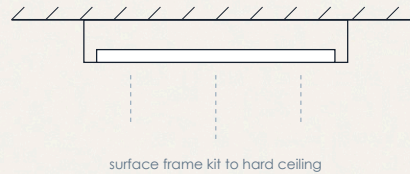


Mounting



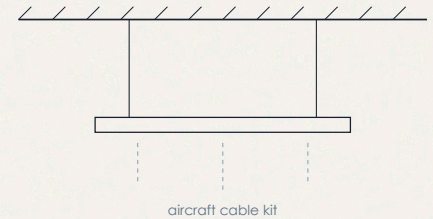
RECESSED · STANDARD

Drops into the T-bar grid. No kit required.



SURFACE · OPTIONAL KIT

Surface frame kit for hard ceilings.



SUSPENDED · OPTIONAL KIT

Aircraft cable kit, adjustable drop.

DLC listing

Qualified product IDs and DLC model numbers.

DLC Model NO.

DESIGNLIGHTS CONSORTIUM

SYSTEM WATTS	PRODUCT ID	CCT	DLC NO.	DLC CLASSIFICATION
40W	S-8PM799	3500K/4000K/5000K	MFP012240W27VDDKW[Blank,M][Blank,B]AD[Blank,A-Z,a-z,0-9]	Standard
	S-C12J9P	3500K/4000K/5000K	MFP011440W27VDDKW[Blank,M][Blank,B]AD[Blank,A-Z,a-z,0-9]	Standard
50W	S-RXY8VP	3500K/4000K/5000K	MFP012450W27VDDKW[Blank,M][Blank,B]AD[Blank,A-Z,a-z,0-9]	Premium

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