

# FlatMAX™ Edge Lit LED 2x4 Panel

## PERFORMANCE SERIES



Typically used to replace 2'x2' and 2'x4' fluorescent fixtures, the FlatMAX Edge Lit LED Flat Panel Performance Series™ is designed to lay in drop ceilings in offices, schools and healthcare applications. The flat panels are fully dimmable, and are compatible with building controls, motion sensors, timers, and daylight harvesting systems.

The design of the panels produces an even, consistent shadowless light. The LEDs enable long life, high lumen maintenance, and high CRI, and are low maintenance and constructed without hazardous materials.

### FEATURES:

- 45 watts nominal
- 100,000 hour life at L70 standards
- 15 lbs.
- Standard dimming: 0-10V dimming; 10%-100%
- Five year limited warranty
- CRI: >80
- Fits standard T-bar and narrow grid drop ceilings
- Also available in 1'x4' and 2'x2'
- Standard white finish
- (3) 1/2" conduit knock out provided
- Includes California-rated seismic clips
- Includes integrated hard lid tie points
- Unique optic light guide plate controls glare and provides uniform lighting distribution
- Suitable for use in damp locations
- 2 inch profile Surface Mounting Kit accessory available (sold separately)

### CONTROL:

- Standard integrated driver
- Up to 12 panels can be linked to each master panel

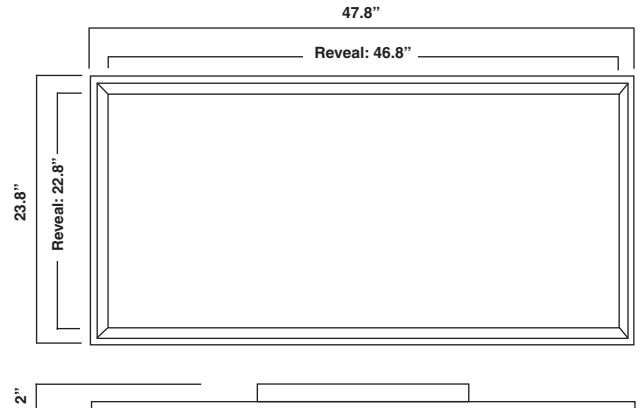
### CONSTRUCTION:

- Face frame is extruded aluminum painted white
- Housing is aluminum
- Lens is translucent white PMMA
- Profile, including the control box, is 2.0 inches
- Unique mounting gives flush-fit in drop ceiling
- Fixtures are Type IC rated for contact with insulation after installation

PROJECT NAME	
CATALOG NUMBER	
NOTES	
FIXTURE TYPE	FIXTURE SCHEDULE



### DIMENSIONS:



### Luminaire Ordering Information:

Watts	Order Number	Model Number	Nominal Lumens	Lamp Life (Hrs.)	Dimensions (L"xW"xH")	CCT
45	72141	MLFP24EP4535	4100*	100,000	47.8" X 23.8" X 2.0"	3500
45	72144	MLFP24EP4541	4300*	100,000	47.8" X 23.8" X 2.0"	4100
45	72147	MLFP24EP4550	4500*	100,000	47.8" X 23.8" X 2.0"	5000



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### SPECIFICATIONS:

ITEM	SPECIFICATION	DETAILS		
General Performance	Spacing Criteria	Available upon request		
	Color Temperature (CCT)	3500	4100	5000
	Nominal Lumens Delivered	4100	4300	4500
	Efficacy (LM/W)	91 lm/w*	96 lm/w*	100 lm/w*
	CRI	>80		
	Color Consistency	Proprietary binning for uniform color		
	Lumen Maint. (L70)	100,000 hours		
Electrical	Power Factor	Over 90%		
	Input Voltage	120V-277V 50/60 Hz		
	Power Consumption	45 watt nominal		
Control	Dimming Switch	Standard 0 -10V dimming		
	Linking Lengths/Qty	15 cable feet x 12 panels		
Physical	Dimensions	47.8" x 23.8" x 2.0"		
	Weight	15.0 lbs.		
	Housing	Aluminum face frame & backing		
	Lens	Translucent white PMMA		
	Mounting	Fits standard grid for drop ceilings		
	Operating Temperature	-4°F to 113°F (-20c to 45c)		
Certification	Humidity	20% - 85% RH, non condensing		
	Certification	cULus, FCC, LM79, LM80		
	Material Usage	RoHS compliant; no mercury		
	Environment	Damp location		
	Warranty	Five year		

#### MASTER / SATELLITE DEFINITION:

Each panel can be wired as a Master/Satellite panel. During mounting, one fixture in the room should be wired as a Master, and the others in the room should be wired as Satellites. The fixture comes with a standard low voltage phone bell cable.

#### BUILDING AUTOMATION COMPATIBLE:

Multiple panels can also be controlled from a single source. The panels can be linked to building automation systems. Contact your MaxLite representative for inquiries involving dimming control methods other than 0-10V, IR or Simple Dimming.

\*\* Data shown is preliminary, please contact MaxLite for most recent report data

### OPTIONAL ACCESSORIES:

Order Number	Model Number	Short Description
71119	MLCHKSQ	Cable hung kit
72073	MLSMKFP24E	2x4 Edge Lit Surface Mount Kit

### DIMMING COMPATIBLE CONTROLS\*

MFG	Model Number
Leviton	IP710
Lutron	Nova NFTV 0-10V

\*Not compatible with MaxLite MLFPIRK Hand Held Remote control

Installation Instructions, LM-79 Testing and IES Files are available online



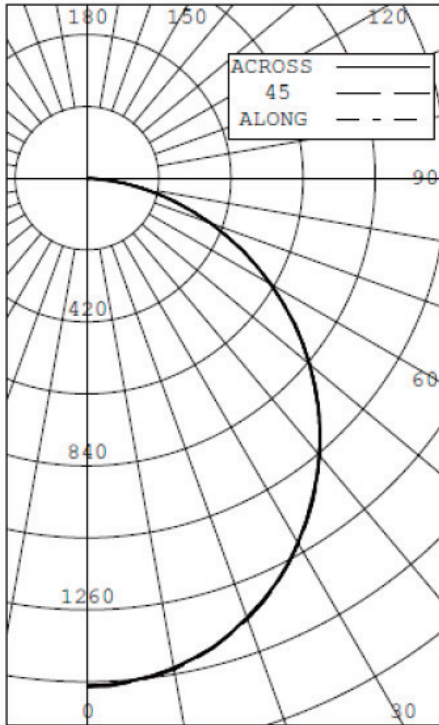
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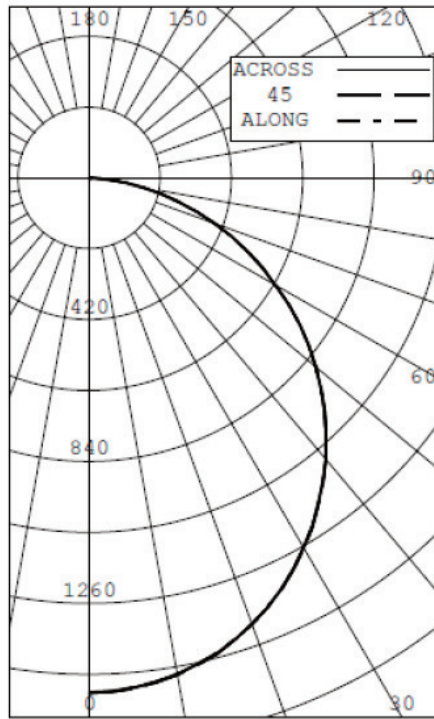


## PHOTOMETRICS:

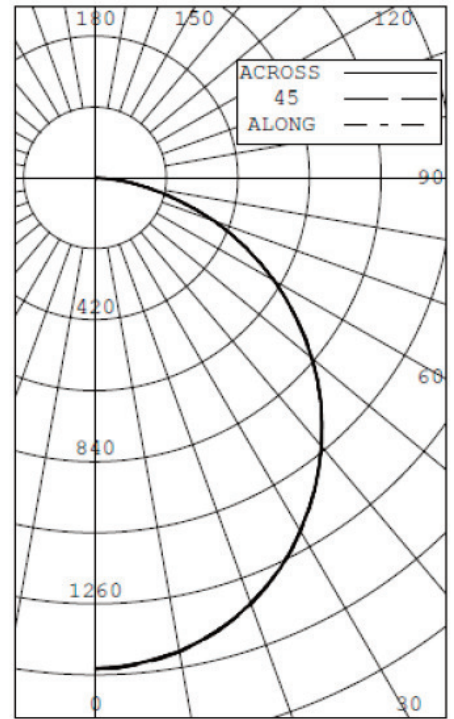
MLFP24EP4535



MLFP24EP4541



MLFP24EP4550



Lighting layouts and spacing criteria are available upon request.

Installation instructions are available online; specifications are subject to change without notice.

