

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

CONTROL:

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

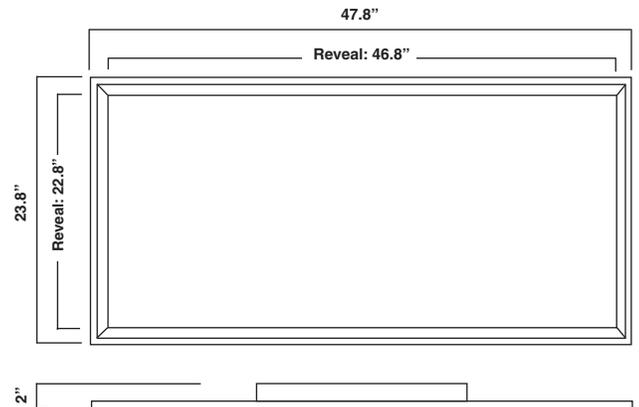
CONSTRUCTION:

- 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 | Indoor, dry | | |
| | 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



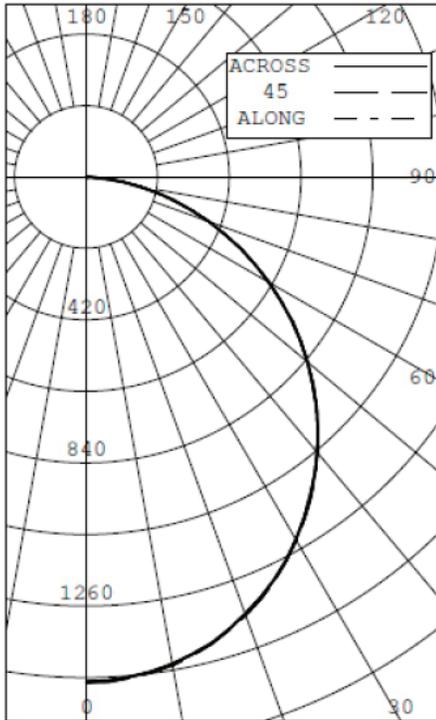
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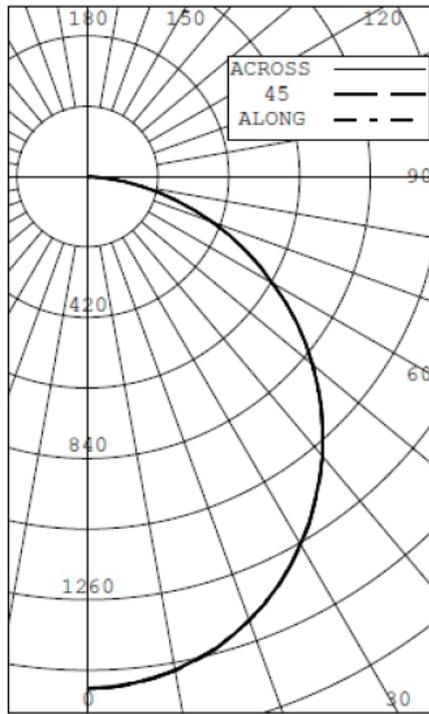


PHOTOMETRICS:

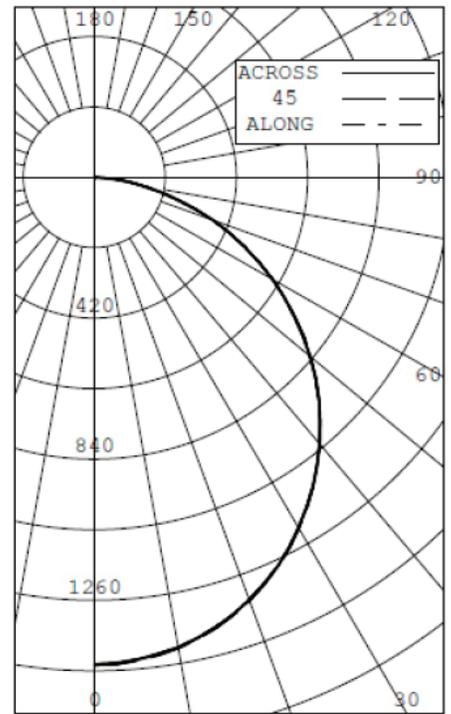
MLFP24EP4535



MLFP24EP4541



MLFP24EP4550



Lighting layouts and spacing criteria are available upon request.

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

