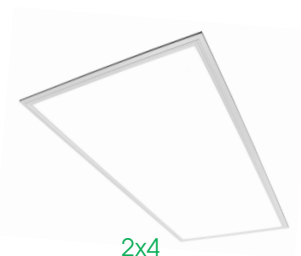


## LED FLAT PANEL EDGE LIT MLFP SERIES G2

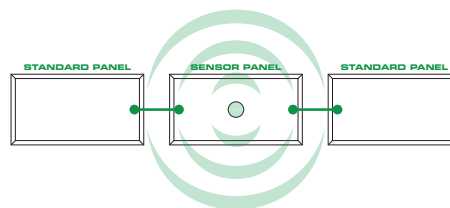


### PRODUCT DESCRIPTION:

Typically used to replace 1'x4', 2'x2' and 2'x4' fluorescent fixtures, the FlatMax Edge Lit LED Flat Panel Series is designed to lay in drop ceilings in offices, schools, and healthcare applications. Utilizing 0-10v dimming protocols, 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 are low maintenance and constructed without hazardous materials

### FEATURES:

- Standard dimming: 0-10V dimming
- CRI:  $\geq 80$
- Fits standard T-bar and narrow grid drop ceilings
- Available in 1'x4', 2'x2' and 2'x4' sizes
- Standard white finish
- IC Rated for direct insulation contact
- Bi-Level motion sensor available behind lens for sleek appearance
- Multiple fixtures can be controlled by single sensor



### APPLICATIONS:

FlatMax Edge Lit LED Flat Panels are the ideal energy-efficient replacements for fluorescent fixtures in offices, schools, hospitality, healthcare, and other commercial and industrial applications that require slim installation depth.

### WARRANTY:

10-year standard warranty with labor allowance\* (further details available at [www.maxlite.com/warranties](http://www.maxlite.com/warranties))

\*Warranty Limitations: Product must be rated for the application per the Product Data Sheet (PDS); operated < 16 hrs; in ambient of -29F to 104F.

\*Up to \$25/unit; labor allowances of up to \$500/unit available for purchase – contact MaxLite representative for details.



| MODEL SELECTION (Full list of order codes on pg. 3-5) |             |                               | Typical order example: MLFP22EP3550          |                                             |                                        |
|-------------------------------------------------------|-------------|-------------------------------|----------------------------------------------|---------------------------------------------|----------------------------------------|
| MLFP                                                  |             |                               |                                              |                                             |                                        |
| FAMILY                                                | SIZE        | WATTAGE (NOMINAL)             | CCT                                          | BATTERY BACKUP                              | MOTION SENSOR                          |
| MLFP= Flat Panel Edge Lit                             | 14EP= 1'x4' | 20= 20W<br>30= 30W<br>35= 35W | 35= 3500K<br>40/41= 4000K/4100K<br>50= 5000K | (OMIT)= None<br><br>EM= Battery Backup Unit | (OMIT) = None<br><br>MS= Motion Sensor |
|                                                       | 22EP= 2'x2' | 20= 20W<br>30= 30W<br>35= 35W |                                              |                                             |                                        |
|                                                       | 24EP= 2'x4' | 30= 30W<br>40= 40W<br>48= 48W |                                              |                                             |                                        |

### NOTES:

1. In the event of a power failure, the battery backup unit switches to emergency mode and operates the fixture for at 800 lumens for a minimum of 90 minutes.
2. 1x4 35W, 2x2 35W, and 2x4 48W MS models not DLC qualified.
3. 1x4 20W, 2x2 20W, and 2x4 30W EM models not DLC qualified.
4. 1x4 30W, 2x2 30W, and 2x4 40W not available with MS option.

### SPECIFICATIONS:

| SPECIFICATIONS:        |                       | MLFP<br>14EP2040                                  | MLFP<br>14EP3041 | MLFP<br>14EP3541 | MLFP<br>22EP2040 | MLFP<br>22EP3041 | MLFP<br>22EP3541 | MLFP<br>24EP3040 | MLFP<br>24EP4041 | MLFP<br>24EP4841 |
|------------------------|-----------------------|---------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| ITEM                   | SPECIFICATION         | DETAILS                                           |                  |                  |                  |                  |                  |                  |                  |                  |
| GENERAL<br>PERFORMANCE | Wattage               | 18.9W                                             | 27.8W            | 35.1W            | 18.8W            | 28.6W            | 35.8W            | 27.6W            | 36.8W            | 44.6W            |
|                        | Lumens Delivered (lm) | 2,420 lm                                          | 3,300 lm         | 4,760 lm         | 2,415 lm         | 3,380 lm         | 4,550 lm         | 3,535 lm         | 4,290 lm         | 5,810 lm         |
|                        | Efficacy (lm/W)       | 128 lm/W                                          | 120 lm/W         | 136 lm/W         | 129 lm/W         | 118 lm/W         | 127 lm/W         | 128 lm/W         | 117 lm/W         | 130 lm/W         |
|                        | DLC                   | Premium                                           | Standard         | Premium          | Premium          | Standard         | Premium          | Premium          | Standard         | Premium          |
|                        | CRI                   | ≥80                                               |                  |                  |                  |                  |                  |                  |                  |                  |
|                        | Color Temperature (K) | 3500, 4000/4100, 5000                             |                  |                  |                  |                  |                  |                  |                  |                  |
|                        | L70 Lifetime (hours)  | 50,000                                            |                  |                  |                  |                  |                  |                  |                  |                  |
|                        | Color Consistency     | Proprietary binning for uniform color             |                  |                  |                  |                  |                  |                  |                  |                  |
| ELECTRICAL             | Power Factor          | ≥0.99                                             |                  |                  |                  |                  |                  |                  |                  |                  |
|                        | Input Voltage         | 120-277V                                          |                  |                  |                  |                  |                  |                  |                  |                  |
|                        | Compatible Dimmers    | Designed to be compatible with most 0-10V dimmers |                  |                  |                  |                  |                  |                  |                  |                  |
| PHYSICAL               | Weight                | 9 lbs                                             |                  |                  | 10.6 lbs         |                  |                  | 15 lbs           |                  |                  |
|                        | Mounting              | Mounts into standard T-Bar/Grid drop ceiling      |                  |                  |                  |                  |                  |                  |                  |                  |
|                        | Operating Temperature | -4°F to 104°F                                     |                  |                  |                  |                  |                  |                  |                  |                  |
|                        | Humidity              | 20-85% RH, non-condensing                         |                  |                  |                  |                  |                  |                  |                  |                  |
| QUALIFICATION          | Certifications        | cULus, FCC                                        |                  |                  |                  |                  |                  |                  |                  |                  |
|                        | Qualifications        | DLC 4.1 Premium, DLC Standard                     |                  |                  |                  |                  |                  |                  |                  |                  |
|                        | Material Usage        | RoHS compliant; no mercury                        |                  |                  |                  |                  |                  |                  |                  |                  |
|                        | Environment           | Indoor Damp / IC rated                            |                  |                  |                  |                  |                  |                  |                  |                  |
|                        | Warranty              | 10 year warranty*                                 |                  |                  |                  |                  |                  |                  |                  |                  |

Lighting layouts and spacing criteria available upon request

### NOTE:

1. Not all product variations listed on this page are DLC qualified. Visit [www.designlights.org/search](http://www.designlights.org/search) to confirm qualification.

### OPTIONAL ACCESSORIES:

| ORDER CODE | MODEL NUMBER   | DESCRIPTION                                                    |
|------------|----------------|----------------------------------------------------------------|
| 99968      | MLFPPK1X4-215  | 1x4 Flat Panel Flange Kit                                      |
| 99969      | MLFPPK2X2-215  | 2x2 Flat Panel Flange Kit                                      |
| 99970      | MLFPPK2X4-215  | 2x4 Flat Panel Flange Kit                                      |
| 100995     | MLSMKFP14E-215 | 1x4 Edge Lit Surface Mount Kit                                 |
| 100996     | MLSMKFP22E-215 | 2x2 Edge Lit Surface Mount Kit                                 |
| 100997     | MLSMKFP24E-215 | 2x4 Edge Lit Surface Mount Kit                                 |
| 102258     | MLCHK2X2-215   | Cable Hanging Kit for 2x2 Edge Lit Flat Panel (4 Wires)        |
| 102259     | MLCHK2X4-215   | Cable Hanging Kit for 1x4 or 2x4 Edge Lit Flat Panel (6 Wires) |
| 108133     | RMHYTHRC-05    | Remote Control for Motion Sensor Units                         |

| SENSOR OPTION | TECHNOLOGY     | DIMMING  | DAYLIGHT HARVESTING | REMOTE CONTROL | QR CODE                                                                              |
|---------------|----------------|----------|---------------------|----------------|--------------------------------------------------------------------------------------|
| MS            | High Frequency | Bi-Level | Set Point*          | Yes            |  |

For motion sensor settings and information, please visit [www.maxlite.com/controls](http://www.maxlite.com/controls)

\*Daylight Harvesting feature not functional on flat panels

**1X4 ORDERING:**

| WATTAGE | CCT   | MODEL NUMBER   | ORDER CODE |
|---------|-------|----------------|------------|
| 20W     | 3500K | MLFP14EP2035   | 14099563   |
|         |       | MLFP14EP2035EM | 14099731   |
|         |       | MLFP14EP2035MS | 14099732   |
|         | 4000K | MLFP14EP2040   | 14099564   |
|         |       | MLFP14EP2040EM | 14099733   |
|         |       | MLFP14EP2040MS | 14099734   |
|         | 5000K | MLFP14EP2050   | 14099565   |
|         |       | MLFP14EP2050EM | 14099735   |
|         |       | MLFP14EP2050MS | 14099736   |
| 30W     | 3500K | MLFP14EP3035   | 105914     |
|         |       | MLFP14EP3035EM | 108005     |
|         | 4100K | MLFP14EP3041   | 105915     |
|         |       | MLFP14EP3041EM | 108006     |
|         | 5000K | MLFP14EP3050   | 108015     |
|         |       | MLFP14EP3050EM | 105916     |
| 35W     | 3500K | MLFP14EP3535   | 108007     |
|         |       | MLFP14EP3535EM | 107777     |
|         |       | MLFP14EP3535MS | 101366     |
|         | 4100K | MLFP14EP3541   | 107778     |
|         |       | MLFP14EP3541EM | 108009     |
|         |       | MLFP14EP3541MS | 101367     |
|         | 5000K | MLFP14EP3550   | 107779     |
|         |       | MLFP14EP3550EM | 108010     |
|         |       | MLFP14EP3550MS | 101370     |

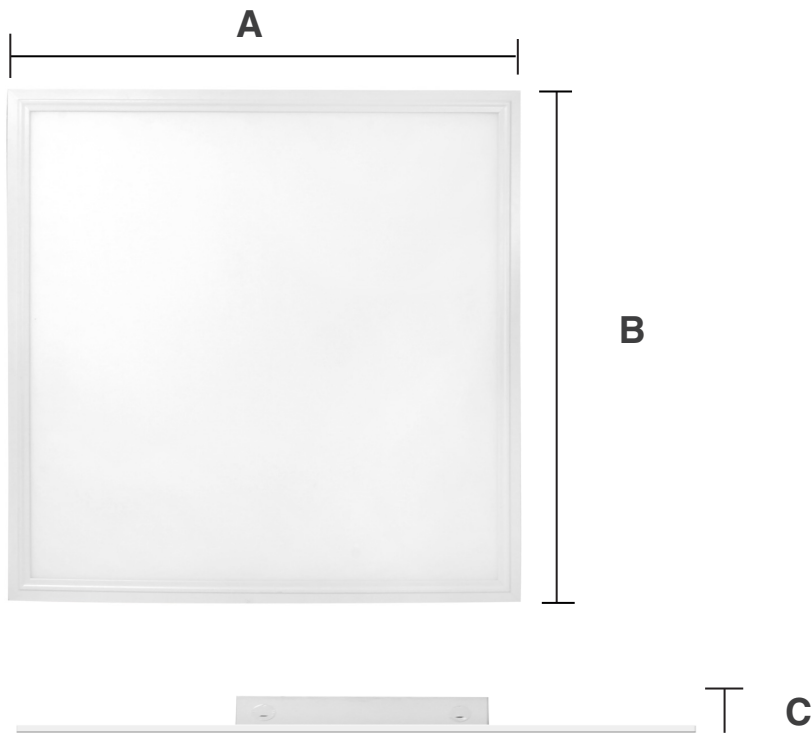
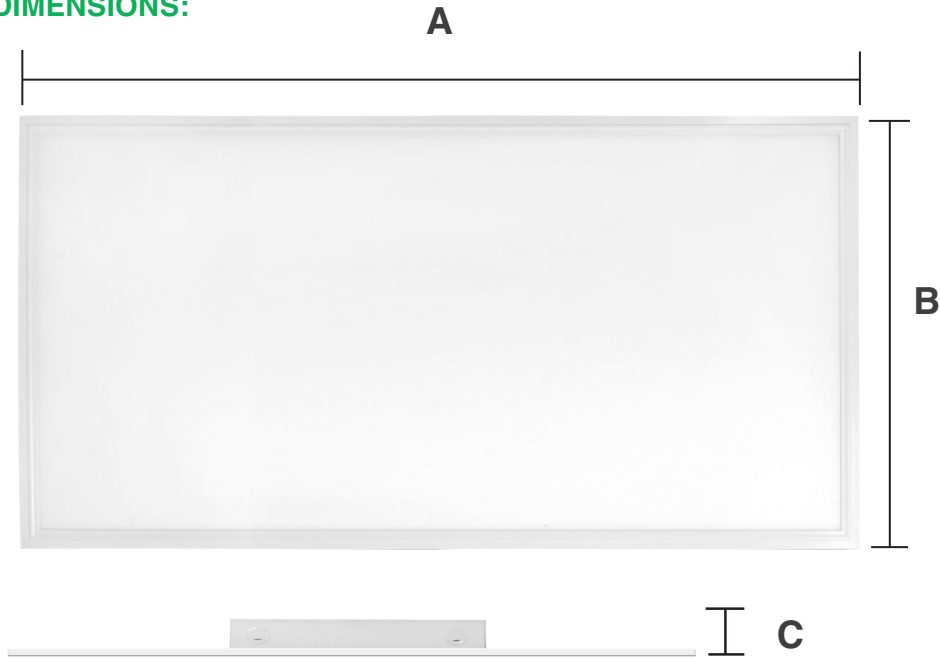
**2X2 ORDERING:**

| WATTAGE | CCT   | MODEL NUMBER   | ORDER CODE |
|---------|-------|----------------|------------|
| 20W     | 3500K | MLFP22EP2035   | 14099016   |
|         |       | MLFP22EP2035EM | 14099737   |
|         |       | MLFP22EP2035MS | 14099738   |
|         | 4000K | MLFP22EP2040   | 14099254   |
|         |       | MLFP22EP2040EM | 14099739   |
|         |       | MLFP22EP2040MS | 14099740   |
|         | 5000K | MLFP22EP2050   | 14099018   |
|         |       | MLFP22EP2050EM | 14099741   |
|         |       | MLFP22EP2050MS | 14099742   |
| 30W     | 3500K | MLFP22EP3035   | 105920     |
|         |       | MLFP22EP3035EM | 108011     |
|         | 4100K | MLFP22EP3041   | 105921     |
|         |       | MLFP22EP3041EM | 108012     |
|         | 5000K | MLFP22EP3050   | 105922     |
|         |       | MLFP22EP3050EM | 108013     |
| 35W     | 3500K | MLFP22EP3535   | 107699     |
|         |       | MLFP22EP3535EM | 108014     |
|         |       | MLFP22EP3535MS | 14099786   |
|         | 4100K | MLFP22EP3541   | 107700     |
|         |       | MLFP22EP3541EM | 108015     |
|         |       | MLFP22EP3541MS | 14099788   |
|         | 5000K | MLFP22EP3550   | 107701     |
|         |       | MLFP22EP3550EM | 108016     |
|         |       | MLFP22EP3550MS | 14099790   |

**2X4 ORDERING:**

| WATTAGE | CCT   | MODEL NUMBER   | ORDER CODE |
|---------|-------|----------------|------------|
| 30W     | 3500K | MLFP24EP3035   | 14099019   |
|         |       | MLFP24EP3035EM | 14099743   |
|         |       | MLFP24EP3035MS | 14099744   |
|         | 4000K | MLFP24EP3040   | 14099255   |
|         |       | MLFP24EP3040EM | 14099745   |
|         |       | MLFP24EP3040MS | 14099746   |
|         | 5000K | MLFP24EP3050   | 14099021   |
|         |       | MLFP24EP3050EM | 14099747   |
|         |       | MLFP24EP3050MS | 14099748   |
| 40W     | 3500K | MLFP24EP4035   | 105926     |
|         |       | MLFP24EP4035EM | 108017     |
|         | 4100K | MLFP24EP4041   | 105927     |
|         |       | MLFP24EP4041EM | 108018     |
|         | 5000K | MLFP24EP4050   | 105928     |
|         |       | MLFP24EP4050EM | 108019     |
| 48W     | 3500K | MLFP24EP4835   | 107702     |
|         |       | MLFP24EP4835EM | 108020     |
|         |       | MLFP24EP4835MS | 14099792   |
|         | 4100K | MLFP24EP4841   | 107703     |
|         |       | MLFP24EP4841EM | 108021     |
|         |       | MLFP24EP4841MS | 14099794   |
|         | 5000K | MLFP24EP4850   | 107704     |
|         |       | MLFP24EP4850EM | 108022     |
|         |       | MLFP24EP4850MS | 14099796   |

**DIMENSIONS:**



| PRODUCT | A     | B     | C    |
|---------|-------|-------|------|
| 1x4     | 47.7" | 11.9" | 2.2" |
| 2x2     | 23.8" | 23.8" | 2.2" |
| 2x4     | 47.7" | 23.8" | 2.2" |