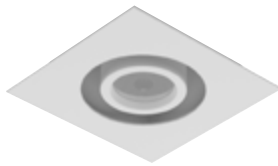


# MX MXFM1

MX Flush Mount Multiple (1) Head  
New Construction or Remodel



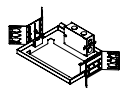
## Luminaire consists of two part numbers (Trim and Frame-In)

Trim Order Matrix | Example: MXFM1L13512WW

| TRIM MODEL | WATTAGE PER HEAD | CCT / CRI                                                                                                                                                                                    | OPTIC                                                    | HEAD FINISH                                                        | FLANGE FINISH          | DRIVER                                                                                                                                                                                                                                                                                           | VOLTAGE                   | OPTION                                                        |
|------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------|
| MXFM1      | L1 - 14 W        | 27 - 2700K / 82 CRI<br>279 - 2700K / 92 CRI<br>30 - 3000K / 82 CRI<br>309 - 3000K / 92 CRI<br>35 - 3500K / 82 CRI<br>41 - 4100K / 82 CRI<br>CA35 - Class A 3500K<br>CW30 - Crisp White 3000K | 12 - 12° Spot<br>24 - 24° Narrow Flood<br>36 - 36° Flood | B - Black<br>W - White<br>Consult factory for special order finish | B - Black<br>W - White | blank - Non-Dimming<br>DELV - ELV Dimming <sup>2</sup><br>D10 - 0-10V Dimming 10%<br>ED10V1 - eldoLED 0-10V 1%<br>ED10V01 - eldoLED 0-10V 0.1%<br>LUT1 - Lutron Hi-Lume 1%<br>LUT - Lutron EcoSystem 1%<br>LUT5 - Lutron EcoSystem 5%<br>EDALI1 - eldoLED DALI 1%<br>EDALI01 - eldoLED DALI 0.1% | blank - 120V<br>27 - 277V | -EM - Remote Emergency<br>-S - Integral 1" Snoot <sup>3</sup> |

## Frame-In Order Matrix | Example: IP2-4FK-1-I200

Frame-In Kit + Trim Ordered Separately



### FRAME-IN TYPE

IP2-4FK-1 - Non-IC New Construction  
IP2-4FK-1IC - Air Tight IC New Construction  
IP2-4FK-1CP - CCEA Chicago Plenum New Construction  
IP2-4FK-1R - Non-IC Remodel

### VOLTAGE

blank - 120V Input  
27 - 277V Input

### OPTIONS

-I100 - C-Channel Bar (pair)  
-I200 - Flat Bar (pair)  
-I400 - Wood Joist Bar (pair)  
-EM - Remote Emergency Unit

### Notes:

1. Energy Star (82 CRI - 3000K, 3500K, 4100K only)
2. ELV Dimming available in 120V only.
3. Snoot is integral to fixture and factory installed. Snoot's interior is black and compatible with accessory holder, black accessory holder recommended.

## LED LIGHT ENGINE

- 2700K, 3000K, 3500K and 4100K / 82 CRI
- Class A - 3500K, provides color points with a combined GAI and CRI metric
- Crisp White - 3000K, vibrant whites and naturally saturated, warm colors combined with high CRI
- 2700K and 3000K / 92 CRI (R9 Value = 59)
- 2 Step MacAdam (2 SDMC)
- LED mounted to die-cast / extruded aluminum heat sink
- Rated life of 50,000 hours L70 based on LED testing per LM-80-08 and projected values using IESNA TM21-11

## OPTICS

- 12° Spot, 24° Narrow Flood, and 36° Flood
- Up to 30° Vertical Adjustment
- 360° Horizontal Adjustment

## ELECTRICAL

- Electrical constant current LED driver
- Over voltage, over current and short circuit protection
- This product complies with IEEE C62.41 for surge endurance up to 2.5KV. Additional surge protection recommended. Damage from power surge is not covered by warranty.
- Power factor >.9, 50/60Hz
- Multiple dimming options available

## FRAME-IN (MUST ORDER SEPARATELY)

Frame-in types include IC Air-Tight, CCEA (Chicago Plenum), or Non-IC Rated (must specify). Non-IC rated housings must be kept at a minimum of 3" away from insulation. Frame-in is equipped with quick connect to trim assembly for easy installation. Junction box is accessible from below the ceiling.

## INSTALLATION

Luminaire can accommodate up to 1" ceiling thickness. Luminaire is supplied with butterfly brackets to allow up-to 3" vertical adjustment. Compatible with C-channel, flat bar, wood joist bar and EMT. Bar hangers must be ordered separately. C-channel are recommended for T-bar ceilings. Max. ambient temperature: 122°F (50°C).

## TRIM ASSEMBLY

Trim assembly includes integral power supply for each individual head. Quick connection supplied for easy installation and wiring to frame-in. Ease of installation and maintenance with access to power supply. Mounts to frame-in via heavy duty torsion springs.

## EMERGENCY

Emergency driver operates LED load of up to 7.0 watts at a nominal 450 lumens for a minimum of 90 minutes. See submittal sheet IB-BSL17C-C2 for specifications.

## LISTING/WARRANTY

- ETL listed to US and Canadian standards for damp locations.
- 10-Year Intense LED Limited Warranty
- ENERGY STAR® Qualified



| JOB NAME |  | CATALOG NUMBER |  |
|----------|--|----------------|--|
|          |  |                |  |
| NOTES    |  | TYPE           |  |

| Catalog Number | System Wattage <sup>1</sup> | CCT / CRI <sup>2</sup> | Delivered Lumens <sup>3</sup> | Lumens Per Watt | CBCP <sup>3</sup> |
|----------------|-----------------------------|------------------------|-------------------------------|-----------------|-------------------|
| MXFM1L13012    | 14W                         | 3000K / 82 CRI         | 700lm                         | 51              | 11486             |
| MXFM1L13024    | 14W                         | 3000K / 82 CRI         | 916lm                         | 66              | 4600              |
| MXFM1L13036    | 14W                         | 3000K / 82 CRI         | 954lm                         | 69              | 2448              |

<sup>1</sup> System wattage includes total driver and LED module consumption

<sup>2</sup> CCT / CRI Multipliers

2700K / 82 CRI (x0.92), 2700K / 92 CRI (x0.74), 3000K / 82 CRI (x1.0), 3000K / 92 CRI (x0.8), 3500K / 82 CRI (x1.07), 4100K / 82 CRI (x1.08);

Crisp White 3000K (x0.85) & Class A 3500K (x0.96), see IES file for CBCP

<sup>3</sup> Data shown is per individual head

## ACCESSORIES

Luminaire will accommodate up to two accessories per head, accessory holder required. Must order one accessory holder and accessory per head.

LH47  
LH47W  
Accessory Holder, Black  
Accessory Holder, White

PFLMB-47  
PFL1-47  
PFL2-47  
PFL4-47  
Hex Louver  
Prismatic Spread  
Linear Spread  
Soft Focus

Consult factory for additional media, available by special order

MULTIPLES L/M-06415 P-1

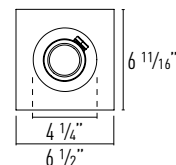
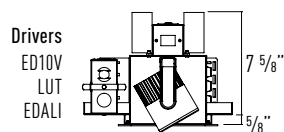
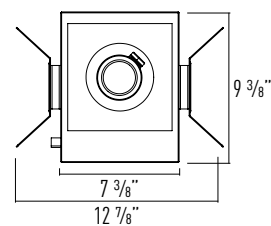
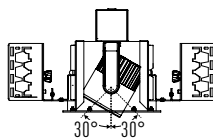
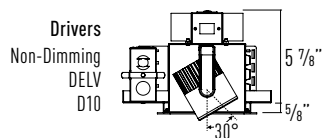
Intense Lighting LLC | 3340. E La Palma Ave. | Anaheim, CA 92806 | Phone: 1.800.961.5321 | Fax: 1.800.961.5322 | www.intenselighting.com

Note: Specifications and dimensions subject to change without notice.



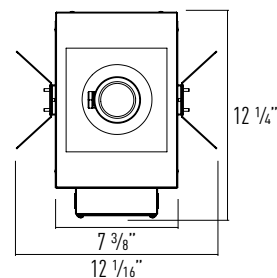
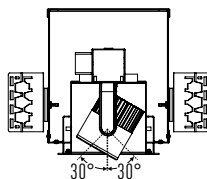
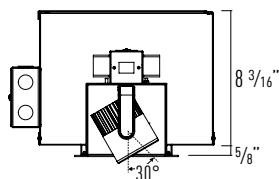
| JOB NAME |  | CATALOG NUMBER |  |
|----------|--|----------------|--|
|          |  |                |  |
| NOTES    |  | TYPE           |  |
|          |  |                |  |

### NON-IC NEW CONSTRUCTION DIMENSIONS

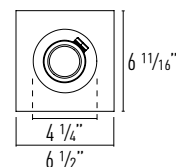


Ceiling Cut Out: 5 1/2" x 5 1/2"

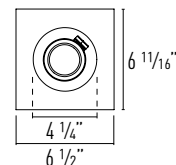
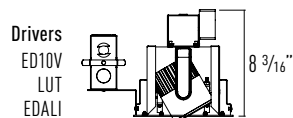
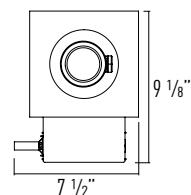
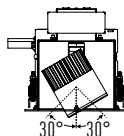
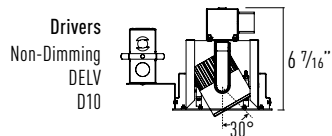
### IC AIR TIGHT & CCEA CHICAGO PLENUM NEW CONSTRUCTION DIMENSIONS



Ceiling Cut Out: 5 1/2" x 5 1/2"



### NON-IC REMODEL DIMENSIONS



Ceiling Cut Out: 5 13/16" x 5 15/16"

| JOB NAME |  | CATALOG NUMBER |  |
|----------|--|----------------|--|
|          |  |                |  |
| NOTES    |  | TYPE           |  |

## MXFM1L130

Report #: L09135602 (12)  
L09135601 (24)  
L09135603 (36)

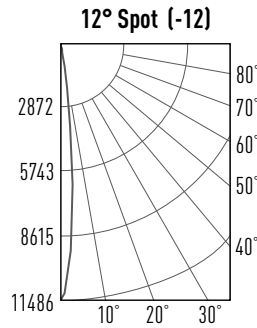
### CCT / CRI Multipliers:

2700K / 82 CRI (x 0.92)  
2700K / 92 CRI (x 0.74)  
3000K / 82 CRI (x 1.00)  
3000K / 92 CRI (x 0.8)  
3500K / 82 CRI (x 1.07)  
4100K / 82 CRI (x 1.08)

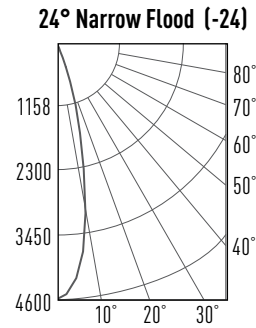
Crisp White 3000K / 90 CRI (x0.85)\*

Class A 3500K / 90 CRI (x0.96)\*

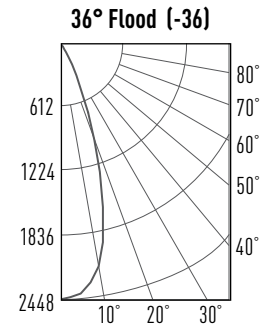
\* Lumens only, see IES file for candelas



Watts: 13.9  
Lumens: 700  
LPW: 51  
CCT: 3000K



Watts: 13.9  
Lumens: 916  
LPW: 66  
CCT: 3000K



Watts: 13.9  
Lumens: 954  
LPW: 69  
CCT: 3000K

**Photometric Data**  
shown is compiled per  
head. For multi-light  
photometrics consult  
factory.

| Candelas at Nadir |         |
|-------------------|---------|
| Degree            | Candela |
| 0°                | 11486   |
| 5°                | 6329    |
| 15°               | 379     |
| 25°               | 95      |
| 35°               | 41      |
| 45°               | 31      |

| Candelas at Nadir |         |
|-------------------|---------|
| Degree            | Candela |
| 0°                | 4600    |
| 5°                | 4117    |
| 15°               | 1401    |
| 25°               | 223     |
| 35°               | 45      |
| 45°               | 16      |

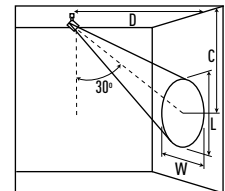
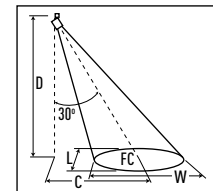
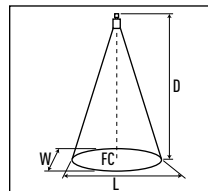
| Candelas at Nadir |         |
|-------------------|---------|
| Degree            | Candela |
| 0°                | 2448    |
| 5°                | 2346    |
| 15°               | 1473    |
| 25°               | 486     |
| 35°               | 116     |
| 45°               | 27      |

### APPLICATION DATA:

**W** and **L** are the outer points where the candle power drops to 50% of maximum. **FC** are the initial foot candles at the center of the beam.

**W** Beam width  
**L** Beam length  
**C** Distance to center of beam  
**D** Distance  
**FC** Foot candles

Illuminated width & length are based upon point at which illuminance falls to 50% of center illuminance. Recommended spacing is based upon uniform illuminance aiming angle is the angle between the lamp axis and the perpendicular to the illuminated plane.



|                                               | 0° HORIZONTAL |      |      |      | 30° HORIZONTAL |      |      |      |      | 30° VERTICAL |      |      |      |      |
|-----------------------------------------------|---------------|------|------|------|----------------|------|------|------|------|--------------|------|------|------|------|
|                                               | D             | FC   | W    | L    | D              | C    | FC   | W    | L    | D            | C    | FC   | W    | L    |
| <b>MXFM1L13012</b><br><b>12° Spot</b>         | <b>5.0'</b>   | 459  | 0.96 | 0.96 | <b>5.0'</b>    | 2.75 | 296  | 1.27 | 1.1  | <b>3.0'</b>  | 5    | 169  | 1.12 | 2.09 |
|                                               | <b>7.5'</b>   | 204  | 1.44 | 1.44 | <b>7.5'</b>    | 4.25 | 133  | 1.87 | 1.64 | <b>4.0'</b>  | 6.5  | 95.3 | 1.47 | 2.78 |
|                                               | <b>10'</b>    | 115  | 1.93 | 1.93 | <b>10'</b>     | 5.75 | 74.6 | 2.5  | 2.19 | <b>5.0'</b>  | 8.25 | 61   | 1.85 | 3.49 |
|                                               | <b>12.5'</b>  | 73.5 | 2.41 | 2.41 | <b>12.5'</b>   | 7    | 47.8 | 3.13 | 2.74 | <b>6.0'</b>  | 9.75 | 42.3 | 2.22 | 4.18 |
| <b>MXFM1L13024</b><br><b>24° Narrow Flood</b> | <b>5.0'</b>   | 184  | 2.09 | 2.09 | <b>5.0'</b>    | 2.5  | 125  | 2.52 | 2.27 | <b>3.0'</b>  | 4    | 89   | 2.05 | 3.13 |
|                                               | <b>7.5'</b>   | 81.8 | 3.13 | 3.13 | <b>7.5'</b>    | 3.75 | 55.6 | 3.77 | 3.39 | <b>4.0'</b>  | 5.25 | 50.1 | 2.71 | 4.17 |
|                                               | <b>10'</b>    | 46   | 4.18 | 4.18 | <b>10'</b>     | 5    | 31.3 | 5.02 | 4.53 | <b>5.0'</b>  | 6.5  | 32   | 3.39 | 5.24 |
|                                               | <b>12.5'</b>  | 29.4 | 5.22 | 5.22 | <b>12.5'</b>   | 6.5  | 20   | 6.29 | 5.68 | <b>6.0'</b>  | 8    | 22.3 | 4.1  | 6.29 |
| <b>MXFM1L13036</b><br><b>36° Flood</b>        | <b>5.0'</b>   | 97.9 | 3.08 | 3.08 | <b>5.0'</b>    | 2.25 | 70   | 3.37 | 3.11 | <b>3.0'</b>  | 3.25 | 60.4 | 2.54 | 3.36 |
|                                               | <b>7.5'</b>   | 43.5 | 4.61 | 4.61 | <b>7.5'</b>    | 3.25 | 31.1 | 5.06 | 4.66 | <b>4.0'</b>  | 4.5  | 34.1 | 3.45 | 4.45 |
|                                               | <b>10'</b>    | 24.5 | 6.15 | 6.15 | <b>10'</b>     | 4.5  | 17.5 | 6.75 | 6.23 | <b>5.0'</b>  | 5.75 | 21.8 | 4.22 | 5.58 |
|                                               | <b>12.5'</b>  | 15.7 | 7.69 | 7.69 | <b>12.5'</b>   | 5.5  | 11.2 | 8.43 | 7.78 | <b>6.0'</b>  | 6.75 | 15.2 | 5.05 | 6.7  |

# DIMMING COMPATIBILITY

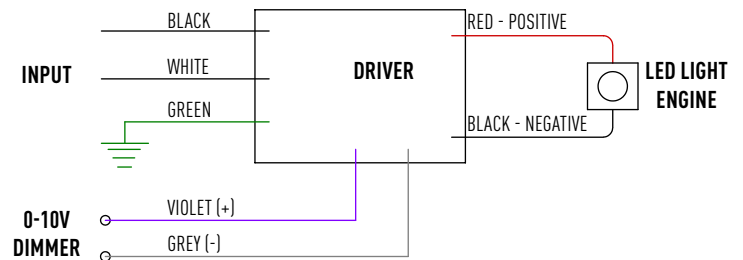
| JOB NAME |  | CATALOG NUMBER |  |
|----------|--|----------------|--|
|          |  |                |  |
| NOTES    |  | TYPE           |  |
|          |  |                |  |

## 0-10V DIMMING (10% Dimming, eldoLED 1%, eldoLED 0.1%)

- 120V/277V
- Dims down to 10% light output
- Consult dimming manufacturer for installation instructions and power packs

### COMPATIBLE DIMMERS

| Manufacturer | Part Number(s)                                                                                                                                                                                                                                                          |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HUNT         | PS-010-IV-120V, PS-010-WH-120V, PS-010-3W-IV-120, PS-010-3W-WH-120V, PS-010-IV-277V, PS-010-WH-277V, PS-010-3W-IV-277V, PS-010-3W-WH-277V, FD-010: PS-IFC-010-IV, PS-IFC-010-WH-120/277V, FD-010: PS-IFC-010-3W-IV, PS-IFC-010-3W-WH-120/277V, FD-010-120V, FD-010-277V |
| Leviton      | Leviton Centura Fluorescent Control System, IllumaTech™ IP7 Series, DPSPE-212                                                                                                                                                                                           |
| Lightolier   | ZP600FAM120, MP1500FAM120, V2000FAMU                                                                                                                                                                                                                                    |
| Lithonia     | LEQ BC, LEQ LVBC, SLD LVBC, SQ1DC                                                                                                                                                                                                                                       |
| Lutron       | DVTV, NTFTV                                                                                                                                                                                                                                                             |
| Synergy      | ISD BC 120/277                                                                                                                                                                                                                                                          |

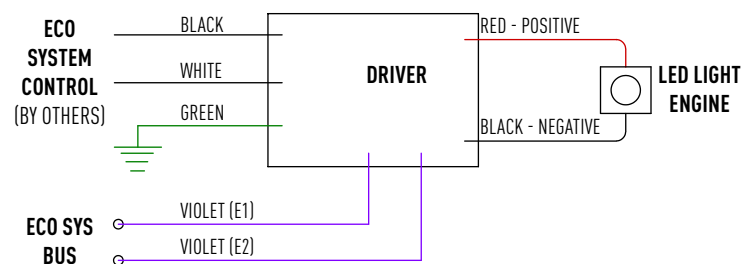


## LUTRON ECOSYSTEM® DIMMING

- 120V or 277V
- Dims down to less than 1% or 5% light output
- Consult dimming manufacturer for installation instructions

### COMPATIBLE DIMMERS

| Product   | Part Number(s)                                                                               |
|-----------|----------------------------------------------------------------------------------------------|
| EcoSystem | CS-1L-WM, CS-2L-WM, CS-1L-CM, CS-2L-CM, EcoSystem ESN, Grafik Eye QS with EcoSystem, Quantum |



## LUTRON HI-LUME® DIMMING

- 120V or 277V
- Dims down to less than 1% light output
- Consult dimming manufacturer for installation instructions

### COMPATIBLE DIMMERS

| Product          | Part Number(s)                                    |
|------------------|---------------------------------------------------|
| NovaT            | NTF-10, NTF-103P, NTF-103P-277, NTF-10-277        |
| Nova             | NF-10, NF-103P, NF-103P-277, NF-10-277            |
| Vareo            | VF-10                                             |
| Skylark          | SF-10P, SF-12P-277, SF-12P-277-3, SF-103P         |
| Diva             | DVF-103, DVF-103P-277, DVSCF-103P, DVSCF-103P-277 |
| Ariadni          | AYF-103P, AYF-103P-277                            |
| Vierti           | VTF-6AM                                           |
| Maestro          | MAF-6AM, MAF-6AM-277, MSCF-6AM, MCSF-6AM-277      |
| Maestro Wireless | MRF2-F6AN-DV                                      |
| Spacer System    | SPSF-6A, SPSF-6A-277, SPSF-6AM, SPSF-6AM-277      |
| Lyneo            | LXF-103PL, LXF-103PL-277                          |
| Radio RA 2       | RRD-F6AN-DV                                       |
| HomeWorks QS     | HQRD-F6AN-DV                                      |

