



# SURFACE MOUNT

## MFF 106 (2FT)

SERIES (4' AND 8' AVAILABLE)  
6" WIDE FRAMELESS FLAT LUMINAIRE

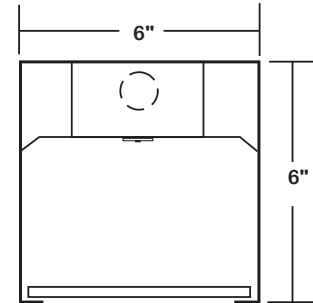


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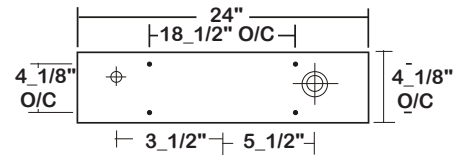
WWW.LALIGHTING.COM  
626-454-8300

### SURFACE / SUSPENSION MOUNTED LED LUMINAIRE

### DIMENSIONS



- 3/8" K.O.    ♦ 11/16" STEM MTG. K.O.    ⊕ 7/8" OFFSET K.O.    ⊕ 2" K.O.



### APPLICATIONS

- Commercial, Office, Retail, Accent Lighting

### FEATURES

- 0-10V dimming driver standard
- Supports California Title 24 compliance

### OPTIONS

- Full customization available upon request
- Additional lumen packages and color temperatures available
- Wireless control options available
- Custom colors available
- Variety of lenses available
- Emergency battery pack available
- Tunable white available (2700K-6500K)

### SPECIFICATIONS

#### CONSTRUCTION

- 20 ga. cold rolled steel welded housing
- Frameless lens

#### FINISH

- Baked white powder coated finish / painted after fabrication / minimum reflectance 90%

#### OPTICAL

- Flat Frosted White Acrylic Lens

#### ELECTRICAL

- High efficiency drivers coupled with long-life LEDs
- Service life greater than 50,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) ≤ 20%

#### LISTING

- UL USA and Canada listed / suitable for damp locations

#### WARRANTY

- 5-Year limited warranty standard. 10-Year limited warranty also available



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Revised:03/21/24



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BAA Compliant

**ORDERING INFORMATION**

**EXAMPLE:** MFF106-4-2L-FFWA-BPL1.5-DRDM-UNV-1/840

SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	OPTICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
<b>MFF106</b>			<b>2L</b>			<b>DRDM</b>	<b>UNV</b>	<b>1</b>	
<b>MFF106</b> 6" Wide Frameless Flat LED Luminaire	1 Nom. 1000 Lumens 2 Nom. 2000 Lumens 3 Nom. 3000 Lumens 4 Nom. 4000 Lumens  <b>*Additional Lumen Packages Available</b>	<b>(Blank)</b> Standard  <b>HE</b> High Efficacy (Only 1000 / 2000 / 3000 lumens Systems)	<b>2L</b> 2'	<b>PA</b> Clear Prismatic Acrylic  <b>FPA2</b> Frosted Clear Prismatic Acrylic, Nom. 0.125  <b>FFWA</b> Flat Frosted White Acrylic	<b>BPL1.5</b> Emergency Battery Pack, Nom. 1500 lm  <b>WLC(LED RU)</b> EnOcean Wireless Control  *Leave Blank if Not Specified  <u>Additional Electrical Options</u>	<b>DRDM</b> 0-10V Dimming Driver	<b>UNV</b> 120V-277V	<b>1</b> One LED Row	<b>830</b> 80+CRI / 3000K Color Temp. <b>835</b> 80+CRI / 3500K Color Temp. <b>840</b> 80+CRI / 4000K Color Temp. <b>850</b> 80+CRI / 5000K Color Temp.  *Additional Color Temp. Available

**SYSTEM DATA**

**THESE ARE THE MOST POPULAR LUMEN PACKAGES. PLEASE CONSULT FACTORY FOR ADDITIONAL SYSTEM DATA.**

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
1000 Lumens (Nominal)	MFF106-1-2L-PA-DRDM-UNV-1/840	778 lm	8.0 W	97.9 lm/W	-20°C / 35°C	1-F17T8	*
2000 Lumens (Nominal)	MFF106-2-2L-PA-DRDM-UNV-1/840	1487 lm	16.9 W	88.2 lm/W	-20°C / 35°C	2-F17T8, 1-F24T5HO	<a href="#">LA-T3268</a>
3000 Lumens (Nominal)	MFF106-3-2L-PA-DRDM-UNV-1/840	2126 lm	26.5 W	80.3 lm/W	-20°C / 35°C	3-F17T8	*
4000 Lumens (Nominal)	MFF106-4-2L-PA-DRDM-UNV-1/840	2775 lm	26.4 W	105.3 lm/W	-20°C / 35°C	4-F17T8, 2-F24T5HO	*

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
1000 Lumens (Nominal)	MFF106-1HE-2L-PA-DRDM-UNV-1/840	750 lm	6.2 W	120.1 lm/W	-20°C / 35°C	1-F17T8	*
2000 Lumens (Nominal)	MFF106-2HE-2L-PA-DRDM-UNV-1/840	1476 lm	12.9 W	114.8 lm/W	-20°C / 35°C	2-F17T8, 1-F24T5HO	*
3000 Lumens (Nominal)	MFF106-3HE-2L-PA-DRDM-UNV-1/840	2151 lm	19.6 W	109.5 lm/W	-20°C / 35°C	3-F17T8	*

**NOTE:**

System data is based on 120V input voltage. Actual performance may differ as a result of end-user environment and application.

This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed properly, and within an ambient temperature range noted in the system data table.

Additional lumen packages and color temperatures available.



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**SENSOR OPTIONS**



**CONTROLS AND SENSORS**

**WLC(LED RU) - EnOcean® LED Relay Zone Controller**

- Supports a single LED fixture or multiple daisy chained LED fixtures
- Module installed inside lighting fixture

**ESRPU-W-EO - EnOcean® Rocker Switch – Single – Surface Mount**

- Wireless single rocker switch with mounting plate
- No batteries needed

**ESDRPU-W-EO - EnOcean® Rocker Switch – Double – Surface Mount**

- Wireless double rocker switch with mounting plate
- No batteries needed

**S3054-N30 - EnOcean® Navigan NWC 300U – Commissioning Tool**

- Navigan Wireless Commissioner is used to configure EnOcean controllers & sensors
- It can be used to define link tables, change parameters/settings, and to edit & store projects
- Configuration settings can be saved and cloned to enable quick configuration
- Connectivity is through the NWC 300U USB Stick

**EOSWU-W-EO - EnOcean® Occupancy Sensor – Wall Mount**

- Wireless wall mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with both wide angle (50') and long range (100') options
- Mounting height: 6-8 feet

**EOSCU-W-EO - EnOcean® Occupancy Sensor – Ceiling Mount**

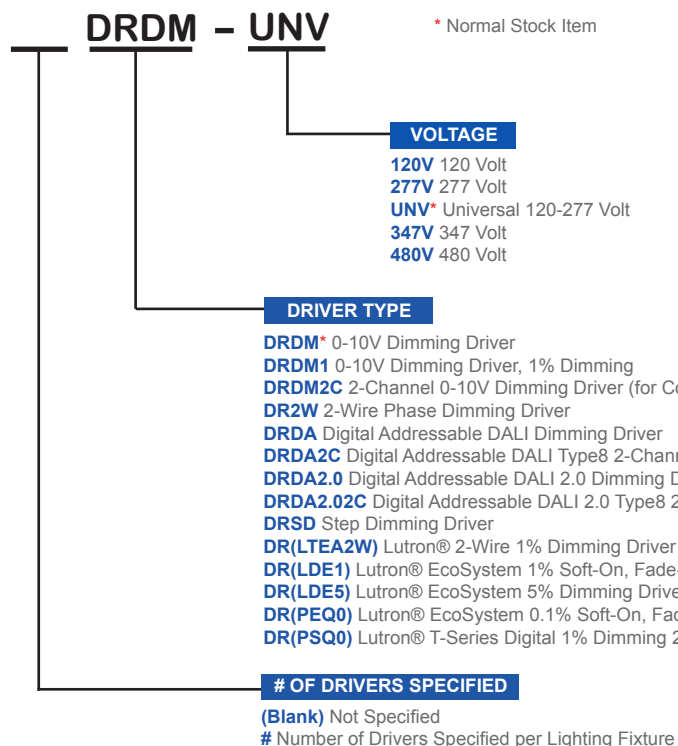
- Wireless ceiling mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with 360 degree viewing angle lens (34' diameter)
- Mounting height: 7-10 feet

**ELLSU-W-EO - EnOcean® Light Level Sensor – Ceiling Mount**

- Light Level sensor that measures and reports the level of available natural light
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- Enables implementation of daylight harvesting control systems
- Mounting position: At the ceiling, close to ambient light source

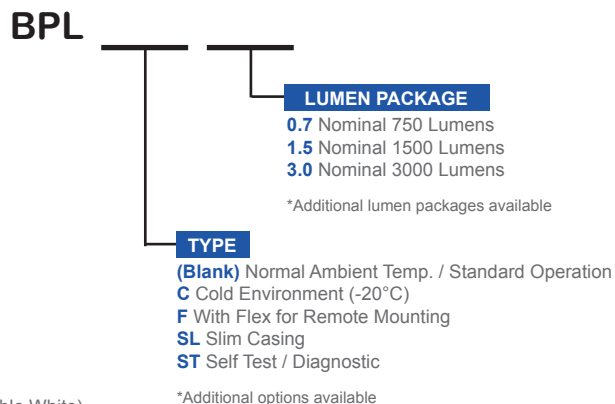
**DRIVER OPTIONS**

PLEASE CONSULT FACTORY TO SEE IF YOUR SELECTED DRIVER OPTION WORKS WITH THIS FIXTURE.



**BATTERY PACK OPTIONS**

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**OPTICAL OPTIONS**

**STANDARD LENSES FOR MFF106**

<b>PA</b>	Clear Prismatic Acrylic, No Thickness Specified, Female Prisms 3/16 Square Base
<b>FPA2</b>	Frosted Prismatic Acrylic, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base
<b>FFWA</b>	Flat Frosted White Acrylic

**CUSTOM COLORS**

- BLK - Matte Black
- CS - Camaro Silver
- BZ - Statuary Bronze

Variety of RAL colors & Axalta/DuPont colors available upon request.



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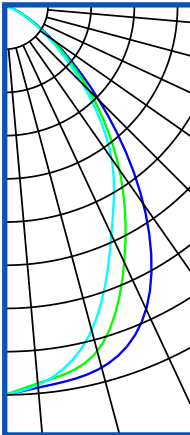
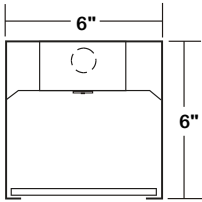


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**PHOTOMETRIC DATA - MFF106 SERIES - 2'**

**MFF106-2-2L-PA-1DRDM-UNV-1/840**

TEST NO. = LA-T3268  
 LED TYPE = 32 LED MODULE  
 NO. OF MODULE = 1  
 SYSTEM WATT (W) = 16.9 W  
 CRI ≥ 80  
 L70(Hrs.) ≥ 50,000  
 PHOTOMETRY TYPE = C



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	1017	1017	1017
5	1002	991	995
15	979	935	878
25	875	740	660
35	633	523	487
45	349	311	287
55	150	143	131
65	54	51	48.7
75	15.1	14.6	13.7
85	2.1	1.7	1.6
90	0.06	0.05	0.06
95	0	0	0
105	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

**ZONAL LUMEN SUMMARY**

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	708	33.1	47.6
0-40	1048	48.9	70.5
0-60	1419	66.2	95.4
0-90	1487	69.4	100.0
90-120	0	0.0	0.0
90-150	0	0.0	0.0
90-180	0	0.0	0.0
0-180	1487	69.4	100.0

Luminaire Output = 1486.9 lumens  
 Luminaire Efficacy = 87.98 lm/W

**SPACING CRITERION**

ALONG	ACROSS
1.12	0.9

