



# SURFACE MOUNT LED

## MFF 106 (8FT) SERIES (2' AND 4' AVAILABLE)

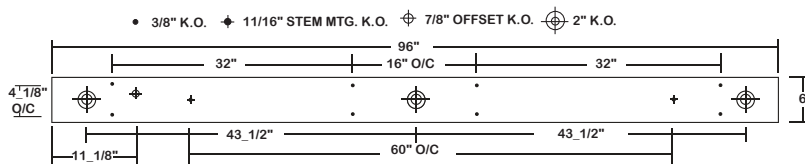
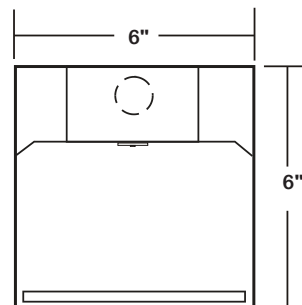
6" WIDE FRAMELESS FLAT LUMINAIRE

DATE	
JOB	

WWW.LALIGHTING.COM  
626-454-8300

### SURFACE / SUSPENSION MOUNTED LED LUMINAIRE

### DIMENSIONS



### 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
- Canopy / cable suspension system available
- Stem and canopies suspension system 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)  $\geq$  0.9
- Total Harmonic Distortion (THD)  $\leq$  20%

#### LISTING

- UL USA and Canada listed / suitable for damp locations

#### WARRANTY

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



Los Angeles Lighting Mfg. Co.

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10141 Olney Street  
El Monte, CA 91731  
Made in the USA



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Revised:03/21/24



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**ORDERING INFORMATION**

**EXAMPLE:** MFF106-4-8L-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>8L</b>			<b>DRDM</b>	<b>UNV</b>	<b>1</b>	
<b>MFF106</b> 6" Wide Frameless Flat LED Luminaire	4 Nom. 4000 Lumens 8 Nom. 8000 Lumens 12 Nom. 12000 Lumens 16 Nom. 16000 Lumens  <i>*Additional Lumen Packages Available</i>	(Blank) Standard (Only 4000 / 8000 / 16000 lumens Systems)  <b>HE</b> High Efficacy (Only 4000 / 8000 / 12000 lumens Systems)	<b>8L</b> 8'	<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
4000 Lumens (Nominal)	MFF106-4-8L-PA-DRDM-UNV-1/840	3200 lm	31.4 W	101.7 lm/W	-20°C / 35°C	2-F32T8	*
8000 Lumens (Nominal)	MFF106-8-8L-PA-DRDM-UNV-1/840	6112 lm	66.3 W	92.2 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	<a href="#">LA-T3280</a>
16000 Lumens (Nominal)	MFF106-16-8L-PA-DRDM-UNV-1/840	11408 lm	101.7 W	112.2 lm/W	-20°C / 35°C	8-F32T8, 4-F54T5HO	*

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
4000 Lumens (Nominal)	MFF106-4HE-8L-PA-DRDM-UNV-1/840	3082 lm	24.1 W	128.0 lm/W	-20°C / 35°C	2-F32T8	*
8000 Lumens (Nominal)	MFF106-8HE-8L-PA-DRDM-UNV-1/840	6068 lm	49.6 W	122.3 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	*
12000 Lumens (Nominal)	MFF106-12HE-8L-PA-DRDM-UNV-1/840	8844 lm	75.8 W	116.7 lm/W	-20°C / 35°C	6-F32T8	*

**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**

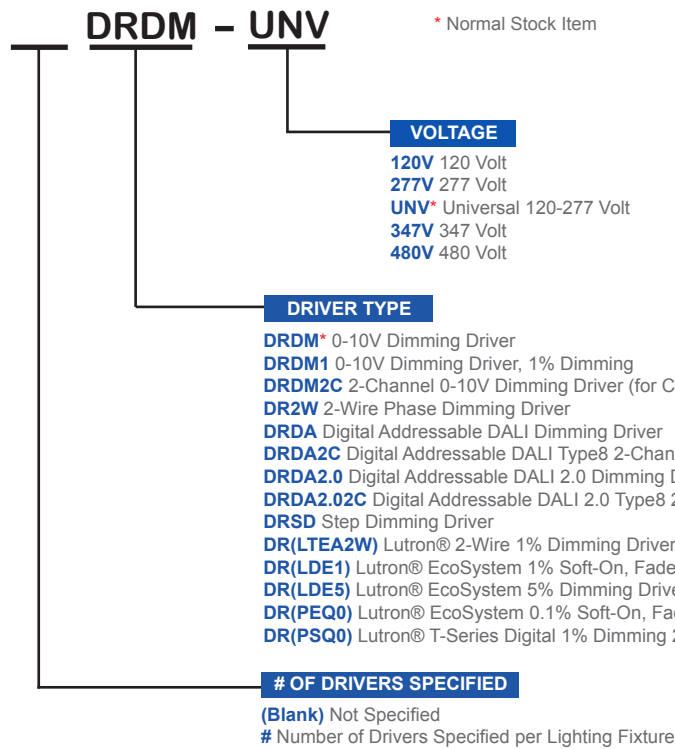
- Wireless ceiling mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with 360 degree viewing angle lens (34' diameter)
- Mounting height: 7-10 feet

**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

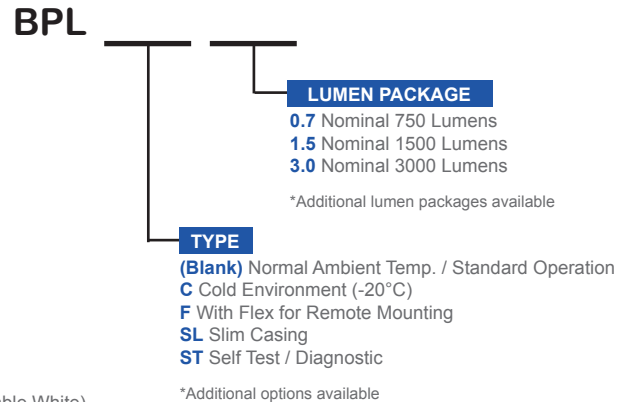
**DRIVER OPTIONS**

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



**BATTERY PACK OPTIONS**

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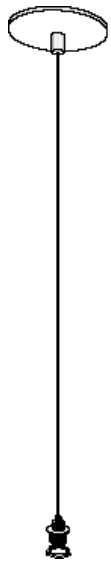
**OPTICAL OPTIONS**

**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

**ACCESSORIES**

**CANOPY / CABLE SUSPENSION SYSTEM**



**433B**

- Blank canopy with cable
- No power cord
- Cable length 48" and 96"
- Max. weight 196 lbs. per set

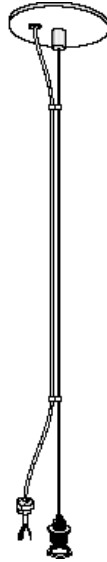
**433B - 48 W**

**COLOR**

- W** White Standard
- B** Black

**CABLE LENGTH**

48" and 96" Standard  
(other lengths as specified)



**444F**

- Feed-in canopy with straight cord
- Includes power cord
- Cable length 48" and 96"
- Max. weight 196 lbs. per set

**444F-48SW-2C**

**# OF CIRCUIT**

- 2C** Two Circuits
- LV** 0-10V Dimming
- Leave blank for one circuit*

**COLOR**

- W** White Standard
- B** Black

**CORD TYPE**

- S** Straight Cord

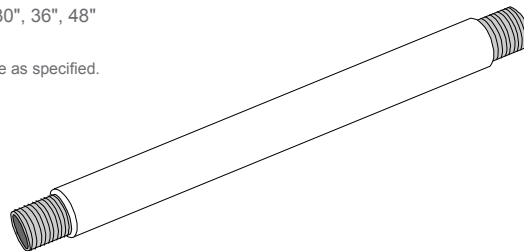
**CABLE LENGTH**

48" and 96" Standard  
(other lengths as specified)

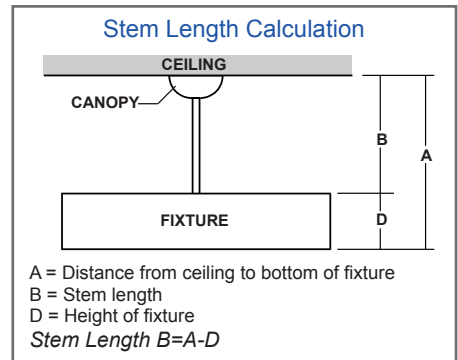
**STEMS**

- 3/8" IPS, Nominal OD 5/8"
- Threaded 1" Each End
- Standard Lengths: 6", 12", 18", 24", 30", 36", 48"
- Baked white enamel finish

Note: Other lengths and finishes are available as specified.



**Stem Length Calculation**



**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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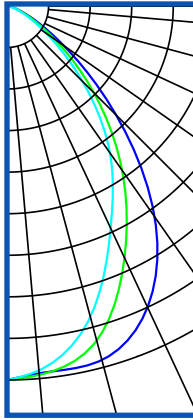
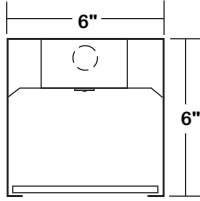


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**PHOTOMETRIC DATA - MFF106 SERIES 8'**

**MFF106-8-8L-PA-1DRDM-UNV-1/840**

TEST NO. = LA-T3280  
 LED TYPE = 48 LED MODULE  
 NO. OF MODULE = 4  
 SYSTEM WATT (W) = 66.3  
 CRI = >80  
 L70(Hrs.) = 50,000  
 PHOTOMETRY TYPE = C



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	3973	3973	3973
5	3917	3934	3886
15	3894	3680	3419
25	3532	2952	2604
35	2732	2131	1907
45	1639	1306	1135
55	738	653	515
65	266	231	194
75	74.9	62.6	55.0
85	10.32	7.74	6.51
90	0.55	0.31	0.18
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	2807	32.77	45.93
0-40	4205	49.08	68.81
0-60	5808	67.79	95.04
0-90	6112	71.33	100.00
90-120	0.09	0.00	0.00
90-150	0.09	0.00	0.00
90-180	0.09	0.00	0.00
0-180	6111	71.33	100.0

Luminaire Output = 6111 lumens  
 Luminaire Efficacy = 92.18 lm/W

**SPACING CRITERION**

ALONG	ACROSS
1.17	0.91

