



# SURFACE MOUNT

## MFF 106 (4FT)

SERIES (2' AND 8' AVAILABLE)  
6" WIDE FRAMELESS FLAT LUMINAIRE

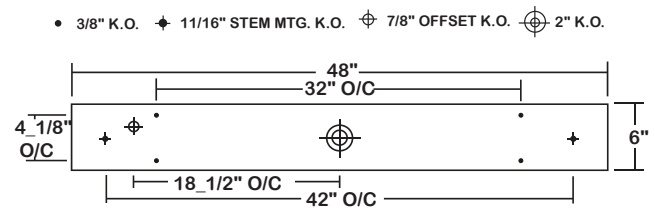
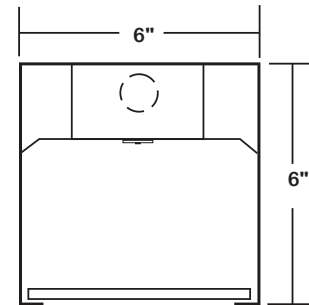
LED

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.**  
Contact Us  
T: 626-454-8300 10141 Olney Street  
F: 626-454-8399 El Monte, CA 91731  
www.lalighting.com Made in the USA



Due to continued product improvements and enhancements, Los Angeles Lighting Manufacturing Company reserves the right to alter specifications, dimensions, data, and/or materials without notice. Please visit our website to view the most current information.

© 2022 LOS ANGELES LIGHTING MANUFACTURING CO. ALL RIGHTS RESERVED.

Revised:03/21/24



**ORDERING INFORMATION**

**EXAMPLE:** MFF106-4-4L-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>4L</b>			<b>DRDM</b>	<b>UNV</b>	<b>1</b>	
<b>MFF106</b> 6" Wide Frameless Flat LED Luminaire	2 Nom. 2000 Lumens 4 Nom. 4000 Lumens 6 Nom. 6000 Lumens 8 Nom. 8000 Lumens  *Additional Lumen Packages Available	(Blank) Standard  <b>HE</b> High Efficacy (Only 2000 / 4000 / 6000 lumens Systems)	<b>4L</b> 4'	<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
2000 Lumens (Nominal)	MFF106-2-4L-PA-DRDM-UNV-1/840	1601 lm	15.7 W	106.0 lm/W	-20°C / 35°C	1-F32T8	*
4000 Lumens (Nominal)	MFF106-4-4L-PA-DRDM-UNV-1/840	3058 lm	33.1 W	92.3 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	<a href="#">LA-T3269</a>
6000 Lumens (Nominal)	MFF106-6-4L-PA-DRDM-UNV-1/840	4371 lm	50.3 W	87.0 lm/W	-20°C / 35°C	3-F32T8	*
8000 Lumens (Nominal)	MFF106-8-4L-PA-DRDM-UNV-1/840	5911 lm	50.6 W	116.8 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	*

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	MFF106-2HE-4L-PA-DRDM-UNV-1/840	1606 lm	13.7 W	117.3 lm/W	-20°C / 35°C	1-F32T8	*
4000 Lumens (Nominal)	MFF106-4HE-4L-PA-DRDM-UNV-1/840	2549 lm	19.6 W	130.2 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	*
6000 Lumens (Nominal)	MFF106-6HE-4L-PA-DRDM-UNV-1/840	4313 lm	35.1 W	122.7 lm/W	-20°C / 35°C	3-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.



**Los Angeles Lighting Mfg. Co.**  
 Contact Us  
 T: 626-454-8300  
 F: 626-454-8399  
 www.lalighting.com  
 10141 Olney Street  
 El Monte, CA 91731  
 Made in the USA



Due to continued product improvements and enhancements, Los Angeles Lighting Manufacturing Company reserves the right to alter specifications, dimensions, data, and/or materials without notice. Please visit our website to view the most current information.

© 2022 LOS ANGELES LIGHTING MANUFACTURING CO. ALL RIGHTS RESERVED.

Revised:03/21/24



**SENSOR OPTIONS**



**CONTROLS AND SENSORS**

**WLC(LEDRU) - 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**

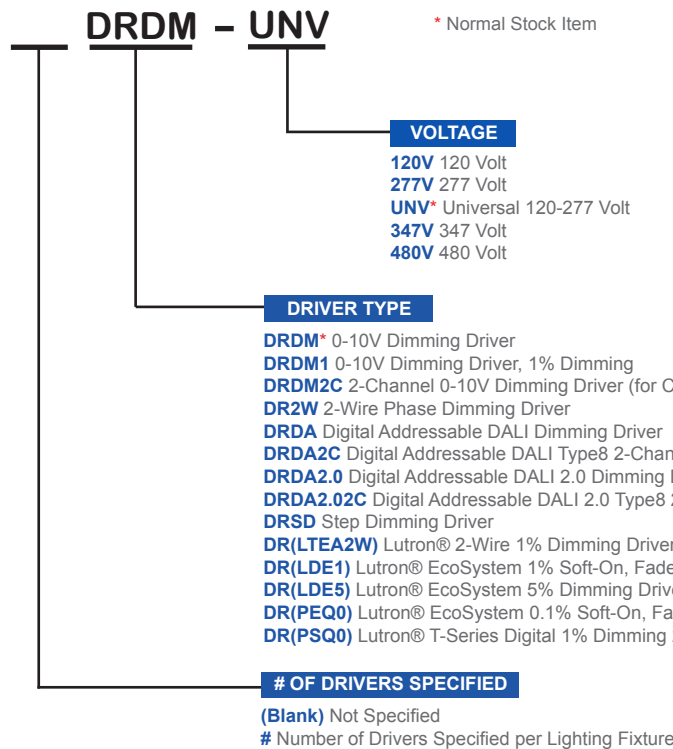
- Wireless ceiling mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with 360 degree viewing angle lens (34' diameter)
- Mounting height: 7-10 feet

**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

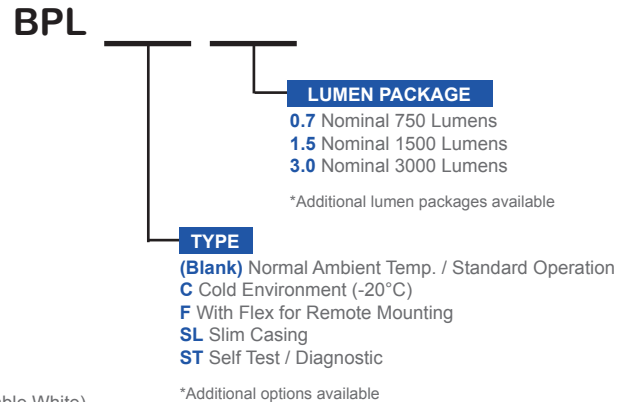
**DRIVER OPTIONS**

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



**BATTERY PACK OPTIONS**

**PLEASE CONSULT FACTORY TO SEE IF YOUR SELECTED BATTERY PACK OPTION WORKS WITH THIS FIXTURE.**



**Los Angeles Lighting Mfg. Co.**  
 Contact Us  
 T: 626-454-8300 10141 Olney Street  
 F: 626-454-8399 El Monte, CA 91731  
 www.lalighting.com Made in the USA



Due to continued product improvements and enhancements, Los Angeles Lighting Manufacturing Company reserves the right to alter specifications, dimensions, data, and/or materials without notice. Please visit our website to view the most current information.

© 2022 LOS ANGELES LIGHTING MANUFACTURING CO. ALL RIGHTS RESERVED.

Revised:03/21/24



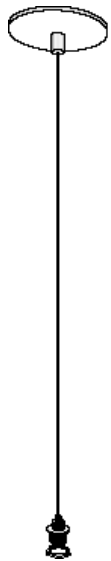
**OPTICAL OPTIONS**

**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**

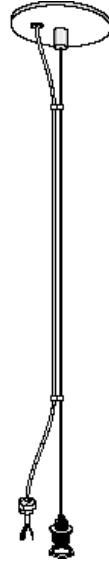


- 433B**
- Blank canopy with cable
  - No power cord
  - Cable length 48" and 96"
  - Max. weight 196 lbs. per set

**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

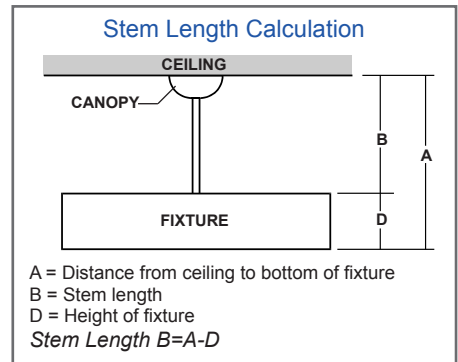
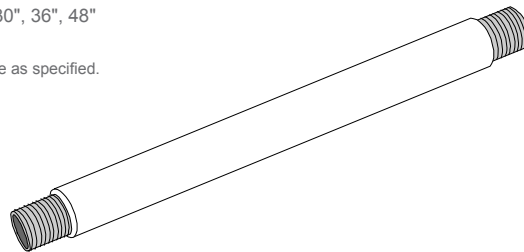
**CORD TYPE**  
**S** Straight Cord

**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.



**CUSTOM COLORS**

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

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



**Los Angeles Lighting Mfg. Co.**  
 Contact Us  
 T: 626-454-8300      10141 Olney Street  
 F: 626-454-8399      El Monte, CA 91731  
 www.lalighting.com      Made in the USA



Due to continued product improvements and enhancements, Los Angeles Lighting Manufacturing Company reserves the right to alter specifications, dimensions, data, and/or materials without notice. Please visit our website to view the most current information.

© 2022 LOS ANGELES LIGHTING MANUFACTURING CO. ALL RIGHTS RESERVED.

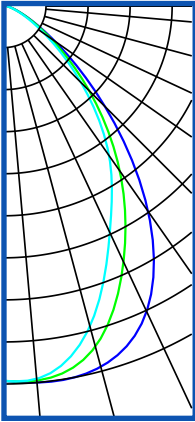
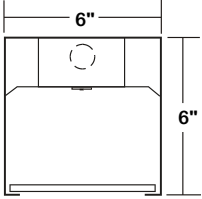
Revised:03/21/24



**PHOTOMETRIC DATA - MFF106 SERIES - 4'**

**MFF106-4-4L-PA-1DRDM-UNV-1/840**

TEST NO. = LA-T3269  
 LED TYPE = 48 LED MODULE  
 NO. OF MODULE = 2  
 SYSTEM WATT (W) = 33.1  
 CRI = >80  
 L70(Hrs.) = 50,000  
 PHOTOMETRY TYPE = C



**CANDLEPOWER**

ANGLE	END	45	CROSS
0°	1998	1998	1998
5°	2015	2004	1995
15°	1991	1880	1768
25°	1797	1506	1333
35°	1338	1075	976
45°	760	642	581
55°	329	301	266
65°	116	111	100
75°	33.3	30.5	27.6
85°	4.4	3.5	3.5
90°	0.2	0.1	0.1
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	1435	33.5	46.9
0-40	2136	49.9	69.9
0-60	2113	68.0	95.3
0-90	3056	71.4	100.0
90-120	0.02	0.0	0.0
90-150	0.02	0.0	0.0
90-180	0.02	0.0	0.0
0-180	3056	71.4	100.0

Luminaire Output = 3056 lumens  
 Luminaire Efficacy = 92.34 lm/W

**SPACING CRITERION**

ALONG	ACROSS
1.18	1.13

