



RECESSED LED

FFF 106 (4FT)

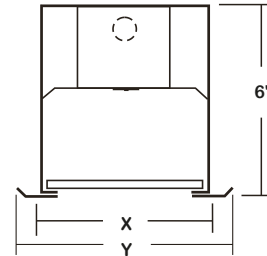
SERIES (2' AND 8' AVAILABLE)
6" WIDE FRAMELESS FLAT TRIM FLANGED LUMINAIRE

DATE	
JOB	

WWW.LALIGHTING.COM
626-454-8300

RECESSED MOUNTED LED LUMINAIRE

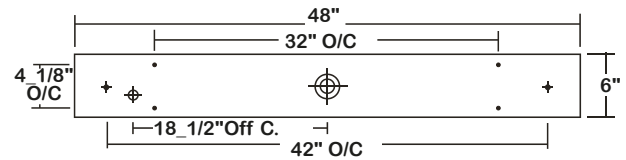
DIMENSIONS



Ceiling Opening
X - 6_1/2" x 48_1/2"

Overall Width By Length
Y - 8" x 50_1/2"

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



APPLICATIONS

- Commercial, Office

FEATURES

- 0-10V dimming driver standard (See *DRIVER OPTIONS* for other dimming types)
- Supports California Title 24 compliance

OPTIONS

- Continuous row mounting available upon request
- Full customization available upon request
- Additional lumen packages and color temperatures available
- Wireless control options available (See *SENSOR OPTIONS* for wireless controls)
- Variety of lenses available (See *OPTICAL OPTIONS* for lenses)
- Emergency battery pack available (See *BATTERY PACK OPTIONS* for battery pack options)
- Hanger yokes available (See *ACCESSORIES* for details)

SPECIFICATIONS

CONSTRUCTION

- 22 ga. cold rolled steel welded housing (20 ga. housing available as specified)
- Frameless lens
- Trim flange welded to housing

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



Los Angeles Lighting Mfg. Co.

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Revised: 03/19/24



MADE IN THE USA
BAA Compliant

ORDERING INFORMATION

EXAMPLE: FFF106-4-4L-FFWA-BPL1.5-DRDM-UNV-1/840

SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	OPTICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
FFF106			4L			DRDM	UNV	1	
FFF106 6" Wide Frameless Flat Trim Flanged LED Luminaire	2 Nom. 2000 Lumens 4 Nom. 4000 Lumens 6 Nom. 6000 Lumens 8 Nom. 8000 Lumens *Additional Lumen Packages Available	(Blank) Standard HE High Efficacy (Only 2000 / 4000 / 6000 lumens Systems)	4L 4'	PA Clear Prismatic Acrylic FFWA Flat Frosted White Acrylic FPA2 Frosted Clear Prismatic Acrylic, Nom. 0.125 <i>See OPTICAL OPTIONS for Options</i>	BPL1.5 Emergency Battery Pack, Nom. 1500 lm <i>See BATTERY PACK OPTIONS for Options</i> WLC(LED RU) EnOcean Wireless Control <i>See SENSOR OPTIONS for Options</i> *Leave Blank if Not Specified Additional Electrical Options	DRDM 0-10V Dimming Driver <i>See DRIVER OPTIONS for Options</i>	UNV 120V-277V <i>See DRIVER OPTIONS for Options</i>	1 One LED Row	830 80+CRI / 3000K Color Temp. 835 80+CRI / 3500K Color Temp. 840 80+CRI / 4000K Color Temp. 850 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)	FFF106-2-4L-PA-DRDM-UNV-1/840	1601 lm	15.7 W	106.0 lm/W	-20°C / 35°C	1-F32T8	*
4000 Lumens (Nominal)	FFF106-4-4L-PA-DRDM-UNV-1/840	3058 lm	33.1 W	92.3 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	LA-T3269-1
6000 Lumens (Nominal)	FFF106-6-4L-PA-DRDM-UNV-1/840	4371 lm	50.3 W	87.0 lm/W	-20°C / 35°C	3-F32T8	*
8000 Lumens (Nominal)	FFF106-8-4L-PA-DRDM-UNV-1/840	2955 lm	25.4 W	116.3 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)	FFF106-2HE-4L-PA-DRDM-UNV-1/840	1606 lm	13.7 W	117.3 lm/W	-20°C / 35°C	1-F32T8	*
4000 Lumens (Nominal)	FFF106-4HE-4L-PA-DRDM-UNV-1/840	1275 lm	9.8 W	129.6 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	*
6000 Lumens (Nominal)	FFF106-6HE-4L-PA-DRDM-UNV-1/840	2156 lm	17.7 W	122.2 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.

PERFORMANCE DATA

[VIEW PHOTOMETRICS](#)



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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

EDRPU-W-EO - EnOcean® Rocker Switch – Double – Surface Mount

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

S3054-N300 - 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

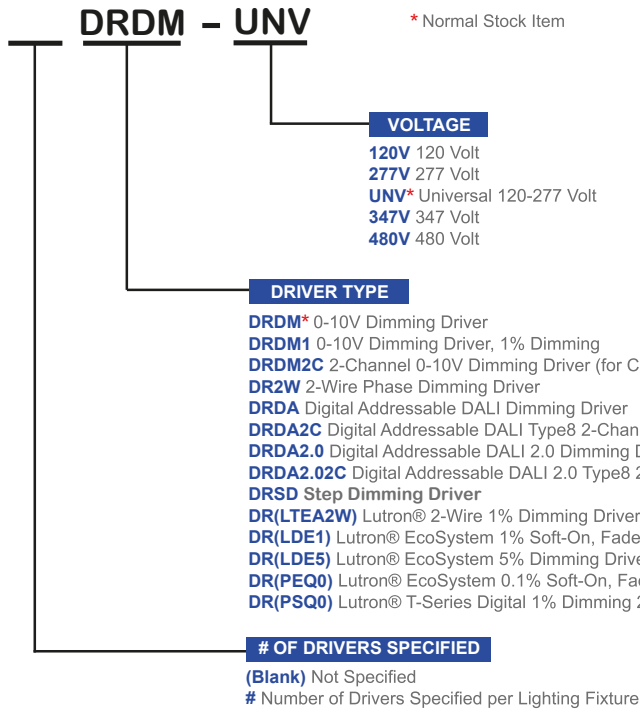
- Wireless ceiling mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with 360 degree viewing angle lens (34' diameter)
- Mounting height: 7-10 feet

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

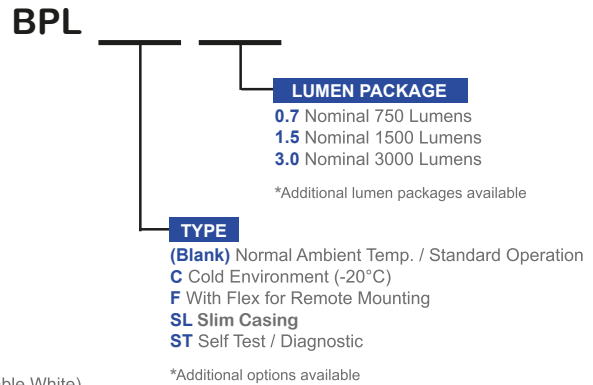
DRIVER OPTIONS

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



BATTERY PACK OPTIONS

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OPTICAL OPTIONS

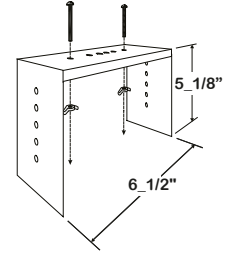
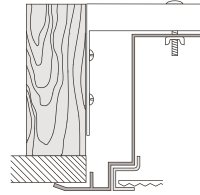
STANDARD LENSES FOR FFF106

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

ACCESSORIES

HS-6_1/2

- Hanger Yokes
- Compatible with all types of recessed flanged fixtures
- 1/4 - 20 x 3" machine screws locate into knockout on back of fixture housing
- Two (2) per fixture



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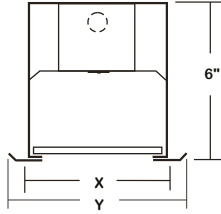
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PHOTOMETRIC DATA - FFF106 SERIES - 4'

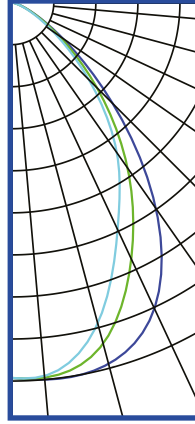
FFF106-4-4L-PA-1DRDM-UNV-1/840

TEST NO. = LA-T3269-1
 LED TYPE = 48 LED MODULE
 NO. OF MODULE = 2
 SYSTEM WATT (W) = 33.1
 CRI = >80
 L70(Hrs.) = 50,000
 PHOTOMETRY TYPE = C



Ceiling Opening
 X - 6_1/2" x 48_1/2"

Overall Width By Length
 Y - 8" x 50_1/2"



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

