

PROJECT: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_  
 FIXTURE TYPE: \_\_\_\_\_  
 NOTES: \_\_\_\_\_

# FF Flat Flood Light Series Gen 2



FFL Large



FFM Medium

*Images are shown for illustration purposes only.*

The **FF Flat Flood Light Series Gen 2** comes in two medium and large with a lumen output between 21,150 to 42,998 lumens. This versatile luminaire has different mounting options, photocell, and motion sensors for efficiency and greater energy savings.

### APPLICATIONS

Building Facades, Display Lighting, Landscaping, Security Lighting, Parking Areas, Perimeter Lighting, Walkways, etc.

### REPLACEMENT

FFM: 400W MH  
 FFL: 750W-1000W MH



## PERFORMANCE INFORMATION

SERIES NUMBER	WATT	LUMENS	CCT
FFM 210 WFL G2 5K	150W	21,150	5000K
FFM 210 WFL G2 4K	150W	21,000	4000K
FFM 270 WFL G2 5K	200W	27,000	5000K
FFM 270 WFL G2 4K	200W	27,200	4000K
FFL 350 WFL G2 5K	250W	35,250	5000K
FFL 350 WFL G2 4K	250W	34,623	4000K
FFL 420 WFL G2 5K	300W	42,300	5000K
FFL 420 WFL G2 4K	300W	42,998	4000K

### MOUNTING & OPTIONS



AL-SPAR



AL-WM



AL-SFD



AL-T



ALG2-Y



PC-1



PC-2



MS-FSP-212



L3/L7

### ORDERING GUIDE

EXAMPLE: FFM 210 WFL G2 5K

Luminaire Type	Size	Lumen Output	Dist. Type	Generation	Voltage	CCT	Finish	Mount	Options
FF Flat Flood Light	M= Medium	<b>210</b> 21,150 Lumens <b>270</b> 27,200 Lumens	WFL= Wide Flood Light	G2	BLANK= 120-277V HVU= 347-480V	<input type="checkbox"/> 4K 4000K	BLANK= Dark Bronze C*= Custom	<b>AL-SPAR</b> = Square and Round Pole Mount <b>AL-WM</b> = Wall Mount <b>AL-SFD</b> = Slipfitter Mount <b>AL-T</b> = Trunnion Mount (FFM only) <b>ALG2-Y</b> = Yoke Mount (FFL only)	<b>BLANK</b> =No Option <b>PC-1</b> =Twist-lock Photocell (120-277V) <b>PC-2</b> =Twist-lock Photocell (327-480V) <b>PC-3</b> =7-Pin Receptacle <b>MS-FSP-212</b> =Motion Sensor 120-277V (Choose 1) <b>L3</b> =40' diameter lens <b>L7</b> =100' diameter lens <b>MS-FSP-221B</b> =Motion Sensor 347-480V† (Choose 1) <b>L3</b> =40' diameter lens <b>L7</b> =100' diameter lens
	L= Large	<b>350</b> 35,250 Lumens <b>420</b> 42,300 Lumens				<input type="checkbox"/> 5K 5000K			

### ACCESSORIES (Shipped separately. Requires some field assembly.)

**MS-FSIR-100** Commissioning Tool for MS-FSP-221B

\*For a custom color, please call to place your order.  
 †Requires 1 MS-FSIR-100 per jobsite.

Due to continuous product improvements, specification and/or equipment updates may change without notice.

## SPECIFICATIONS

### HOUSING

Precision die-cast aluminum housing with integral heat-sink fins.

### AMBIENT TEMPERATURE

Suitable for use in -40°C to +45°C (-40°F to 113°F)

### MOUNTING

Mounting options include Square and Round Pole Mount, Wall Mount, Adjustable Slipfitter Mount, Trunnion Mount for FFM, and Yoke Mount for FFL. Photocell is mounted to the Square and Round Pole Mount, Wall Mount, and Slipfitter Mount by default.

### EFFICACY

Up to 143 lumens per watt (see individual wattage data)

### CCT AND CRI

4000K and 5000K CCT available; 70CRI

### OPTICS

Precision molded secondary NEMA 7H X 7V optics produce superior uniformity and maximum pole spacing. Optics sealed to LED package for IP66 protection and UV resistant polycarbonate optical lens.

### WARRANTY

10-year limited warranty. Comprehensive warranty terms can be located on [www.slgus.com](http://www.slgus.com).

### ELECTRICAL

Voltage: 120-277V standard. HVU 347V/480V. Class 2 Constant Current Drivers with 90% power factor, <20% THD. Driver efficiency (>90% standard); 50/60Hz; Open/short circuit protection; 10kV Surge protector per ANSI/IEEE C62.41.2; NEMA twist lock photocell control. Dimming 0-10V driver. Motion sensor (PIR).

### ENERGY DATA

Constant current driver efficiency above 90%.

### FINISH

Polyester Powder Dark Bronze finish. Custom colors available. Multiple stage process to produce 3 mil thickness for superior corrosion resistance and maximum durability.

### CERTIFICATIONS

UL Listed for wet locations. Equivalent to IP66 rating. FCC compliant. RoHs compliant. DesignLights Consortium® (DLC) Premium 5.0 qualified product. Not all versions of this product may be DLC qualified. Please visit [www.slgus.com](http://www.slgus.com) to confirm which versions are qualified.

## MOUNTING



AL-SPAR  
(Optional Photocell)



AL-WM  
(Optional Photocell)



AL-SFD  
(Optional Photocell)



AL-T



ALG2-Y



PC-1



PC-2

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## OPTIONS



**MS-FSP-212**  
Dimmable Motion Sensor



**MS-FSP-L3/L7**  
Lens

The **MS-FSP-212** provides multi-level control base on motion and daylight level. Requires L3 or L7 lens depending the mounting height.

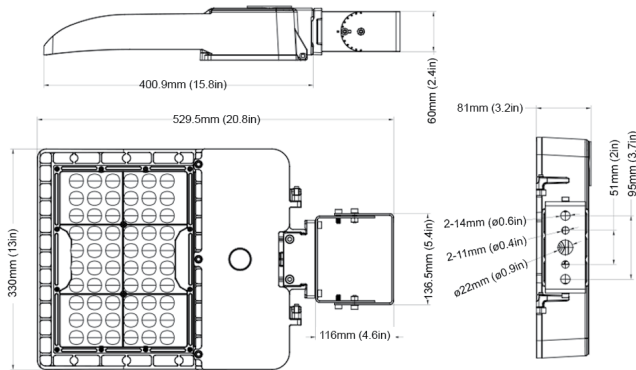
Operation Voltage	Shape	Adjustable Time Delay	Fade Down Time	Operating Temperature	Mounting Height For MS-FSP-L3	Mounting Height For MS-FSP-L7
120/277V	Cone	30 sec - 30 min	0-10 sec	-40°F to 158°F	20 ft*	40 ft**

\* Covers a 40 ft diameter when mounting height is 20 ft. Coverage is equal to 2x the height.

\*\* Covers a 100 ft diameter when mounting height is 40 ft. Coverage is equal to 2.5x the height

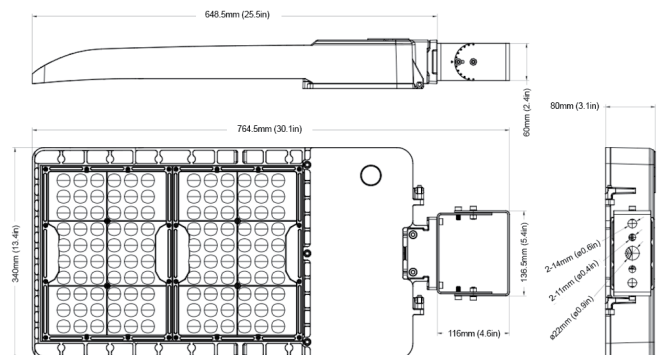
## DIMENSIONS

**Medium**  
150W & 200W  
Trunnion Mount



Weight  
150W: 17.498 LB  
200W: 17.716 LB

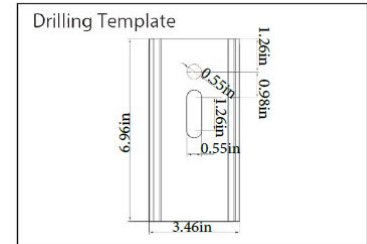
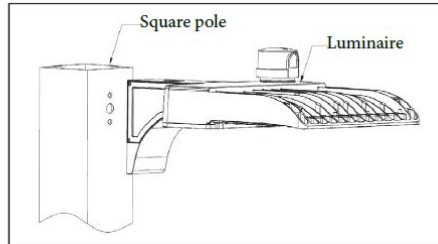
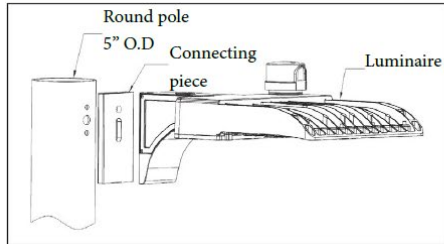
**Large**  
250W & 300W  
Trunnion Mount



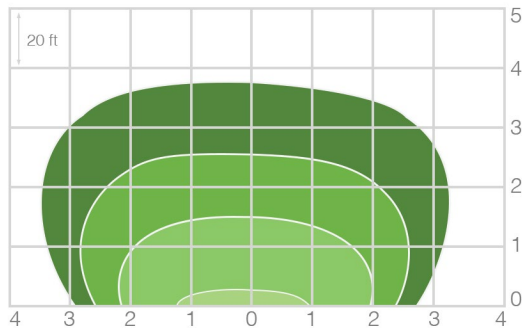
Weight  
250W: 23.810 LB  
300W: 25.221 LB

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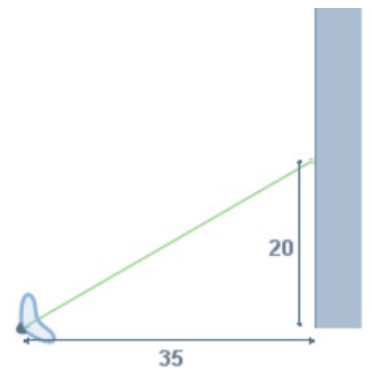
## MOUNTING DIMENSIONS



## PHOTOMETRIC



FFL 420 WFL G2 5K



At 35 ft setback  
Aimed 30 degree upon horizon

## EPA OF AREA LIGHT

<b>M</b>	FFM 210	150W	0.4418	0.7145	0.8813	0.8836	1.0548	1.0135	1.0548
	FFM 270	200W							
<b>L</b>	FFL 350	250W	0.5614	0.8471	1.105	1.1228	1.2503	1.2503	1.294
	FFL 420	300W							

## PERFORMANCE COMPARISON

Series Number	Wattage	Lumen	Efficacy	Replaces	Voltage	DLC
FFM 210	150W	21,150	141 Lm/W	400W	120-277V	Premium
FFM 270	200W	27,200	136 Lm/W	400W	120-277V	Premium
FFL 350	250W	35,250	141 Lm/W	750W	120-277V	Premium
FFL 420	300W	42,300	141 Lm/W	1000W	120-277V	Premium

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**ELECTRICAL LOAD**

				Current (A)					
	Series Number	Driver Current (mA)	Wattage	120V	208V	240V	277V	347V	480V
FFM	FFM 210 WFL G2 5K	3900	150W	1.25	0.72	0.63	0.54	0.43	0.31
	FFM 210 WFL 52 5K	3900	150W	1.25	0.72	0.63	0.54	0.43	0.31
	FFM 270 WFL G2 5K	5100	200W	1.66	0.96	0.83	0.83	0.58	0.42
	FFM 270 WFL G2 5K	5100	200W	1.66	0.96	0.83	0.83	0.58	0.42
FFL	FFL 350 WFL G2 5K	6400	250W	2.08	1.20	1.04	1.04	0.72	0.52
	FFL 350 WFL G2 4K	6400	250W	2.08	1.20	1.04	1.04	0.72	0.52
	FFL 420 WFL G2 5K	6000	300W	2.50	1.44	1.25	1.25	0.87	0.62
	FFL 420 WFL G2 4K	6000	300W	2.50	1.44	1.25	1.25	0.87	0.62

**PROJECTED LUMINAIRE MAINTENANCE**

OPERATING HOURS					
Ambient Temperature	0	25,000	50,000	100,000	Calculated L70 (Hours)
25°C / 77°F	1	0.95	0.91	0.81	>214,973

**Lumen Ambient Temperature (LAT) Multipliers**

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.98
40°C	104°F	0.98

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