

PROJECT: _____
 CATALOG #: _____
 FIXTURE TYPE: _____
 NOTES: _____

FF Flat Flood Light Series Gen 2



FFL Large



FFM Medium

Images are shown for illustration purpose 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	210 21,150 Lumens 270 27,200 Lumens	WFL= Wide Flood Light	G2	BLANK= 120-277V HVU= 347-480V	<input type="checkbox"/> 4K 4000K	BLANK= Dark Bronze C* = Custom	AL-SPAR= Square and Round Pole Mount AL-WM= Wall Mount AL-SFD= Slipfitter Mount AL-T= Trunnion Mount ALG2-Y= Yoke Mount (FFL only)	BLANK=No Option PC-1=Twist-lock Photocell (120-277V) PC-2=Twist-lock Photocell (327-480V) MS-FSP-212=Motion Sensor (Choose 1) L3=40' diameter lens L7=100' diameter lens
	L= Large	350 35,250 Lumens 420 42,300 Lumens				<input type="checkbox"/> 5K 5000K			

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 and option with photocell, Trunnion Mount for FFM, and Yoke Mount for FFL

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.

ELECTRICAL

Voltage: 120-277V standard. 347V/480V optional. 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 optional. Dimming 0-10V driver optional. Motion sensor (PIR) optional

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 qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.slgus.com/DLC to confirm which versions are qualified.

MOUNTING



AL-SPAR



AL-WM



AL-SFD



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.

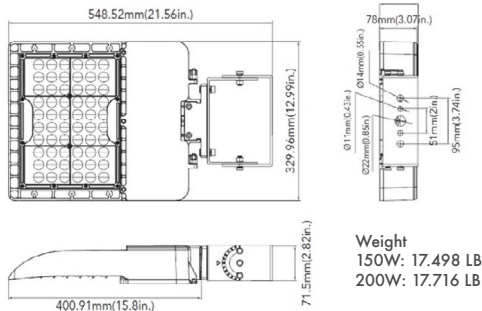
Operation Voltage	Shape	Adjustable Time Delay	Fade Down Time	Operating Temperature	Mounting Height For MS-FSP-L3	Mounting Height For MS-FSP-L7
120/277V	Cone	30 sec - 30 min	0-10 sec	-40°F to 158°F	20 ft*	40 ft**

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

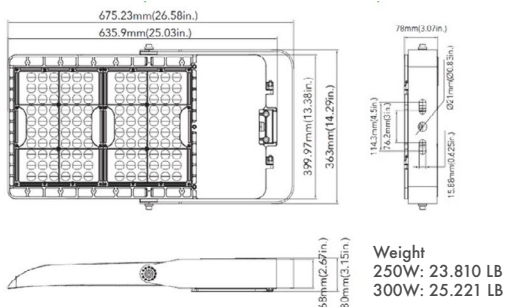
**Covers a 100 ft diameter when mounting height is 40 ft. Coverage is equal to 2.5x the height

DIMENSIONS

Medium 150W & 200W Trunnion Mount

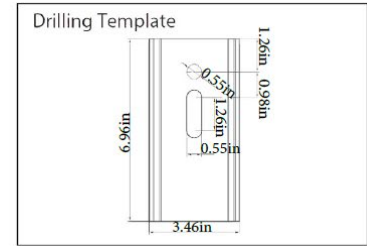
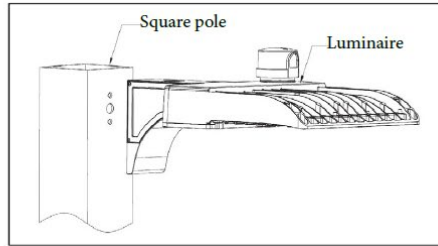
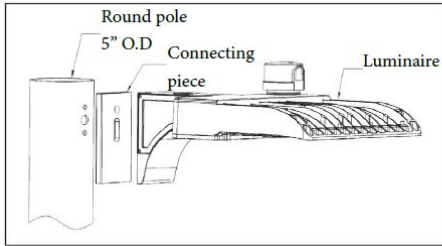


Large 250W & 300W Trunnion Mount

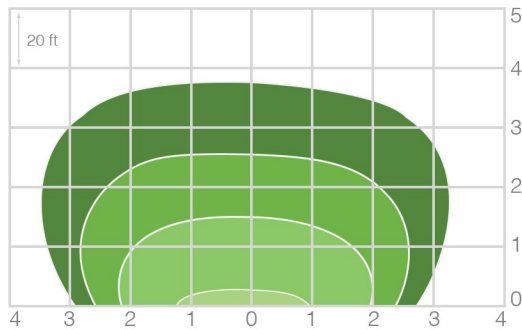


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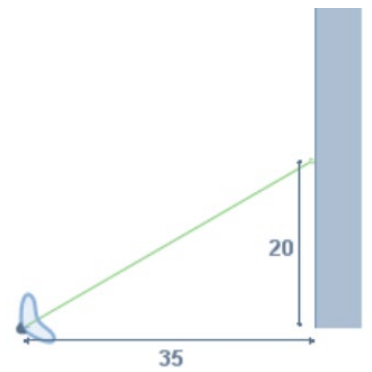
MOUNTING DIMENSIONS



PHOTOMETRIC



FFL 420 WFL G2 5K



At 35 ft setback
Aimed 30 degree upon horizon

EPA OF AREA LIGHT

M	FFM 210	150W	0.4418	0.7145	0.8813	0.8836	1.0548	1.0135	1.0548
	FFM 270	200W							
L	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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