

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

# FFC Flat Flood Light Contractor Series Gen 1



FFCL Large



FFCM Medium



FFCS Small

Images are shown for illustration purpose only.

The **FFC Flat Flood Light Contractor Series Gen 1** comes in three sizes small, medium, and large with a lumen output between 5,600 to 41,000 lumens. This versatile luminaire has different mounting options, photocell, and motion sensors for efficiency and greater energy savings.

## APPLICATIONS

Auto Dealerships, Parking Lots, Walkways, Roadways, and other Public Areas, etc.

## REPLACEMENT

FFCS: 175W- 250W MH, FFCM: 400W MH,  
 FFCL: 750W-1000W MH+

## MOUNTING & OPTIONS



ALC-SPAR



ALC-WM



ALC-SFD



ALC-T



PC-1



PC-2



MS-FSP-212



L3/L7



## PERFORMANCE INFORMATION

SERIES NUMBER	WATT	4000K LUMENS	5000K LUMENS	DIST
FFCS 60 WFL G1 5K	40W	5,600	5,720	Type V
FFCS 96 WFL G1 5K	70W	9,730	9,800	Type V
FFCS 140 WFL G1 5K	100W	13,800	13,900	Type V
FFCM 210 WFL G1 5K	150W	20,500	20,800	Type V
FFCM 260 WFL G1 5K	200W	25,500	26,000	Type V
FFCL 350 WFL G1 5K	250W	34,750	35,250	Type V
FFCL 410 WFL G1 5K	300W	40,500	41,000	Type V

ORDERING GUIDE				EXAMPLE: FFCS 210 WFL G1 5K					
Luminaire Type	Size	Lumen Output	Dist. Type	Generation	Voltage	CCT	Finish	Mount	Options
FFC Flat Flood Contractor	<b>S=</b> Small	<b>60</b> 5,720 Lumens <b>96</b> 9,800 Lumens <b>140</b> 13,900 Lumens	<b>WFL=</b> Wide Flood Light	<b>G1</b>	<b>BLANK=</b> 120-277V <b>HVU</b> 347-480V	<b>4K</b> 4000K <b>5K</b> 5000K	<b>BLANK=</b> Dark Bronze <b>C=</b> Custom *	<b>ALC-SPAR=</b> Square and Round Pole Mount <b>ALC-WM=</b> Wall Mount <b>ALC-SFD=</b> Slipfitter Mount <b>ALC-T=</b> Trunnion Mount	<b>BLANK=</b> No Option <b>PC-1=</b> Twist-lock Photocell (120-277V) <b>PC-2=</b> Twist-lock Photocell (347-480V) <b>MS-FSP-212=</b> Motion Sensor (Choose 1) <b>L3=</b> 40' diameter lens <b>L7=</b> 100' diameter lens
	<b>M=</b> Medium	<b>210</b> 20,800 Lumens <b>260</b> 26,000 Lumens							
	<b>L=</b> Large	<b>350</b> 35,250 Lumens <b>410</b> 41,000 Lumens							

\*For a custom color, please call to place your order

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 FFCM and FFCL

### EFFICACY

Up to 133 lumen's per watt (see individual wattage data)

### CCT AND CRI

4000K and 5000K CCT available; 70CRI

### OPTICS

Precision molded secondary optics produce superior uniformity, minimal light trespass and maximum pole spacing.

### WARRANTY

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

### ELECTRICAL

Standard 120/277V. Optional HVU 347V-480V. 50/60Hz with open/short circuit protection. 10K Surge protector per ANSI/IEEE C62.41.2. Optional NEMA twist-lock photocell control. Dimming 0-10V driver 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. IDA dark-sky compliance. 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](http://www.slgus.com/DLC) to confirm which versions are qualified.

## MOUNTING



ALC-SPAR



ALC-WM



ALC-SFD



ALC-T



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

## SMART WIRELESS CONTROL SYSTEM



### APPLICATIONS:

- Smart City
- Parking Lots
- Private Roadways
- Public Streets & Highways
- College & Corporate Campus
- Walkways
- Shopping Malls & Centers

### FEATURES:

- Real time measure and transfer of input Voltage, Amperage, Wattage, Power Factor, KWH and Hours of Operation
- Dim LED fixtures via Standard 0-10V dimming interface
- Self-forming and self-healing mesh network with secure encrypted communication
- Smart Wireless Control Node and G5 Smart Gateway can be spaced up to 600 mm apart (Clear Line of Sight) or up to 2000mm with replay
- Designed to UL 916 standards
- In rush Current Limiting at Turn On
- IP65 rated
- Automatically download programmed schedules
- Controlled by an G5 Smart Gateway and fully integrated into G5 Smart Software Platform
- AES Encryption and Certificate Based Authentication
- 5-year warranty standard, 10-year extended warranty available

### ACCURACY:

- Real Power and Energy: 2%
- Reactive Power and Energy: IEC 62053-23 Class 2, 2% Current
- Current: 0.8%
- Voltage: 0.4% (+0.015% per °C deviation from 25°C)
- 108VL -N to 528VAC -L

### ENVIRONMENTAL:

- Operating Temperature: -30°C to 60°C (-22°F to 158°F)
- Storage Temperature: -40°C to 85°C (-40°F to 185°F)
- Humidity Range: <95% Relative Humidity, non-condensing
- Altitude of Operation: 3km max

### WIRELESS NETWORK:

- IEEE 802.15.4 2.4GHz ISM
- Range: 600 + meters LOS Transmit / Receive

### ELECTRICAL:

- Operating Voltage: 120-277VAC, 347VAC, 480VAC
- Operating Current: 75mA max
- Switching Capacity: 2.5A max at 480VAC

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## G5 Smart Gateway



### APPLICATIONS:

- Smart City
- Parking Lots
- Private Roadways
- Public Streets & Highways
- College & Corporate Campus Walkways
- Jogging & Bike Pathways

### FEATURES:

- Self-forming and self healing mesh network with secure encrypted communication
- Support Wi-Fi or 3G/4G Mobile network
- Smart photocell and gateway can be spaced up to 600m apart (Clear Line of Sight) or up to 2000m apart with relay
- Can control up to 80 G5 smart photocells
- Storage up to 30 days data in local memory
- Automatically synchronize data in local memory with server once network is recovered
- Designed to comply with UL773 standards
- IP65 rated
- Standard 5-year Warranty
- Built-in surge protection
- Designed in the USA

### WIRELESS NETWORK:

- Network: IEEE 802.15.4-2003 2.4GHz ISM
- Range: 600 + meters LOS Transmit / Receive
- Backhaul Communication: WiFi, 3G/4G CDMA, LTE
- Comply with FCC Part 15

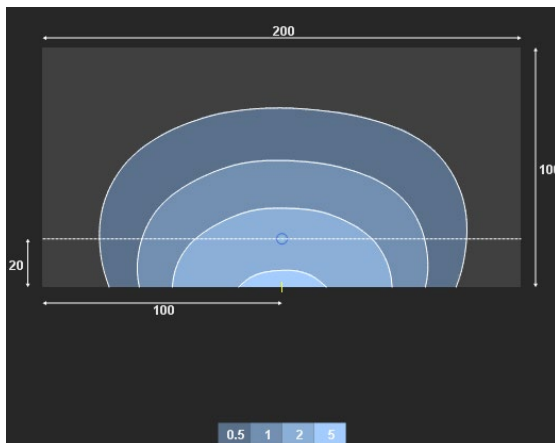
### ENVIRONMENTAL:

- Operating Temperature: -30°C to 60°C (-22°F to 158°F)
- Storage Temperature: -40°C to 85°C (-40°F to 185°F)
- Humidity Range: <95% Relative Humidity, non-condensing
- Altitude of Operation: 3 km max

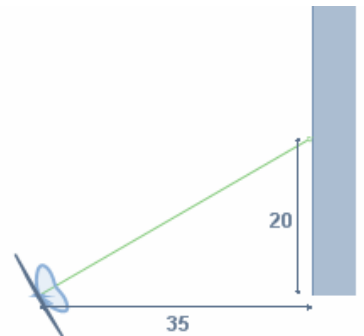
### ELECTRICAL

- Operating Voltage: 120-277VAC, 347VAC, 480VAC
- Operating Current: 75mA max
- Switching Capacity: 2.5A max at 480VAC
- Surge: ANSI, 10KV, 3 KA Combination Wave

## PHOTOMETRIC



FFCL 410 WFL G1 55K

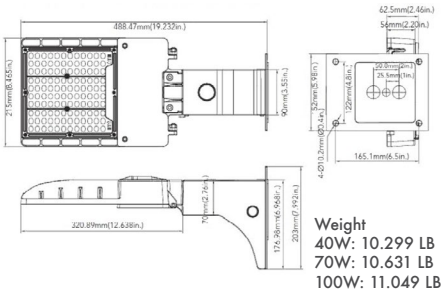


At 35 ft setback, aimed 30° upon the horizon

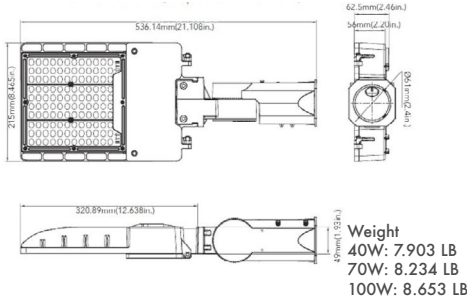
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# DIMENSIONS

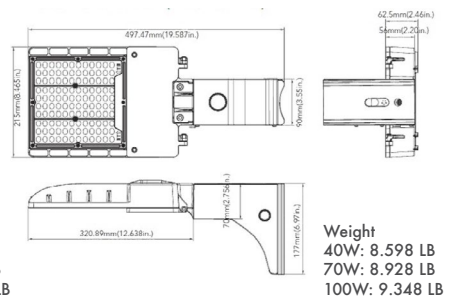
**SMALL**  
40W, 70W, 100W  
Wall Mount



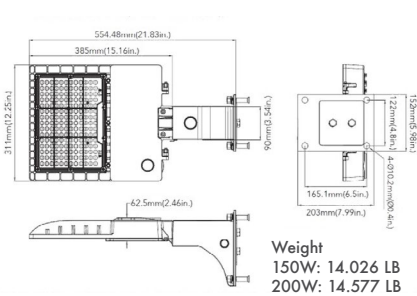
**SMALL**  
40W, 70W, 100W  
Slipfitter Mount



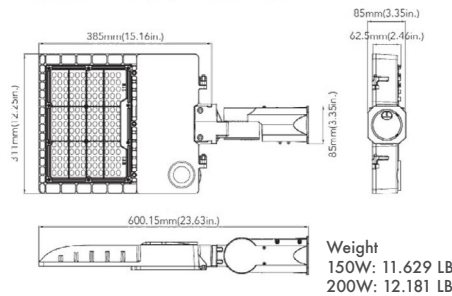
**SMALL**  
40W, 70W, 100W  
Pole Mount



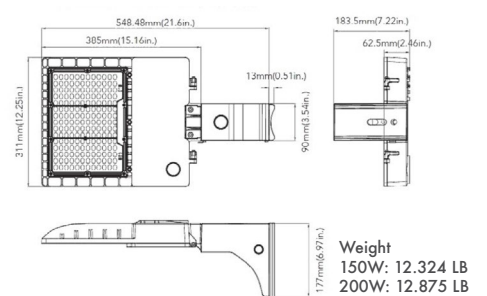
**MEDIUM**  
150W & 200W  
Wall Mount



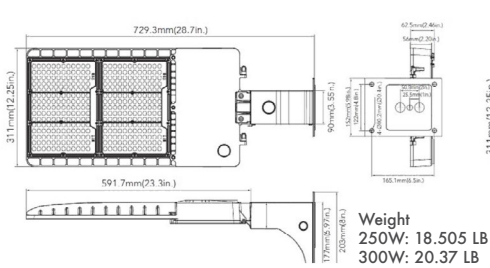
**MEDIUM**  
150W & 200W  
Slipfitter Mount



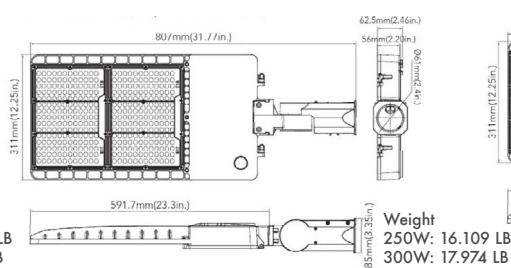
**MEDIUM**  
150W & 200W  
Pole Mount



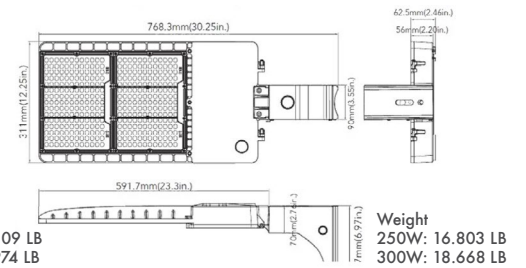
**LARGE**  
250W & 300W  
Wall Mount



**LARGE**  
250W & 300W  
Slipfitter Mount



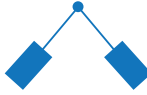

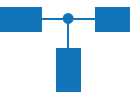
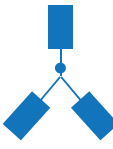
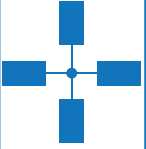


**LARGE**  
250W & 300W  
Pole Mount



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### EPA OF AREA LIGHT

									
<b>S</b>	FFCS 60	40W	0.3413	0.5929	0.7983	0.6826	1.0239	1.0499	1.0239
	FFCS 96	70W							
	FFCS 140	100W							
<b>M</b>	FFCM 210	150W	0.423	0.735	0.873	0.846	1.158	1.185	1.158
	FFCM 260	200W							
<b>L</b>	FFCL 350	250W	0.4759	0.7889	1.0581	0.9518	1.2648	1.3711	1.2648
	FFCL 410	300W							

### ELECTRICAL LOAD

			Current (A)					
Series Number		Wattage	120V	208V	240V	277V	347V	480V
FFCS	FFCS 60 WFL G1 5K	40W	0.33	0.19	0.16	0.14	N/A	N/A
	FFCS 96 WFL G1 5K	70W	0.58	0.34	0.30	0.25	N/A	N/A
	FFCS 140 WFL G1 5K	100W	0.83	0.48	0.41	0.36	N/A	N/A
FFCM	FFCM 210 WFL G1 5K	150W	1.25	0.72	0.63	0.54	0.43	0.31
	FFCM 260 WFL G1 5K	200W	1.66	0.96	0.83	0.72	0.58	0.42
FFCL	FFCL 350 WFL G1 5K	250W	2.08	1.20	1.04	0.90	0.72	0.52
	FFCL 410 WFL G1 5K	300W	2.5	1.44	1.25	1.08	0.87	0.52

### PROJECTED LUMINAIRE MAINTENANCE

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

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## 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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