

FLF G1

LED Flood Light Selectable

CONTRACTOR XP

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



(Images are shown for illustration purposes only)

FLF LS230 Medium Selectable Flood Light

FLF LS450 Large Selectable Flood Light

The FLF G1 Selectable Flood Light - Flex Series ships in one package featuring mount, photocell, and shorting cap. The new flex series flood light features 4 switch selectable lumen outputs and 3 switch selectable CCT outputs, offering a 12-in-1 solution. Built-in 1/8" jack receptacle makes for easy controls options for optimizing your energy savings.

ORDERING GUIDE

Example: FLF LS230 N77 G1 FSK PSC SFD

Fixture Type	Selectable Lumen Output	Dist. Type	Gen	Voltage	Selectable CCT	Included Accessories	Mount	Finish	Options
• FLF LED Flood Light-Flexible	• LS230 10,000 Lm / 60 W 15,500 Lm / 85 W 20,000 Lm / 110 W 23,000 Lm / 140 W	• N77 NEMA 7	• G1 First Generation	• BLANK 120-277 V • HVU* 347-480 V	• FSK 3000K 4000K 5000K	PSC Ships with Photocell and Shorting Cap. BLANK Leave this blank when ordering HVU models - these do not include photocell and shorting cap. PC-2 Twistlock Photocell (for HVU only).	• SFD Slipfitter Mount (Ships in same box) • T Trunnion Mount (Ships in the same box) For HVU models only: • ALF-SFD Slipfitter Mount (Ships Separately) • ALC-T Trunnion Mount (Ships Separately) • ALC-WMB Wall Mount (Ships Separately)	• BLANK Dark Bronze	OSLG sync • MSB-DCE-06-W Bluetooth Plug-in Sensor/Controller OSLG sync • FCB-DCE-02-W Bluetooth Plug-in Controller Node • MS-DCE-09-L7-W Motion sensor • RM06 Remote for MS-DCE-09-L7-W
	• LS450 20,000 Lm / 120 W 28,500 Lm / 180 W 38,500 Lm / 240 W 45,000 Lm / 300 W								
	• LS600** 46,000 Lm / 300 W 51,000 Lm / 320 W 56,000 Lm / 360 W 60,000 Lm / 400 W								

* HVU option does not ship with PIN receptacle, Photocell, shorting cap, or mount. **LS600 only available in 4000K/5000K CCT

FLF G1



SPECIFICATIONS

Housing

One-piece, die-cast aluminum housing sealed against moisture and environmental contaminants - features PIN receptacle.

Ambient Temperature

Suitable for use in -40° C to 40° C (-40° F to 104° F).

Mounting

Square/Round Pole and Slipfitter Mounting options.

Efficacy

Up to 157 lumens per watt.

CCT and CRI

Field selectable: 3000K, 4000K, and 5000K - 70 CRI

Lumen Output

Medium Flood Light
Field selectable:
10,000 - 23,000 Lm.
Large Flood Light
Field selectable:
20,000 - 45,000 Lm.
Large Flood Light (LS600)
Field selectable:
46,000 - 60,500 Lm.

Electrical

Standard: 120-277 VAC
High Voltage: 347-480 VAC
0-10 V dimming driver.

Warranty

5-year limited warranty. Comprehensive warranty terms can be located on www.slgus.com.

Optics

Available in NEMA 7 7Hx7V distribution.

Certifications

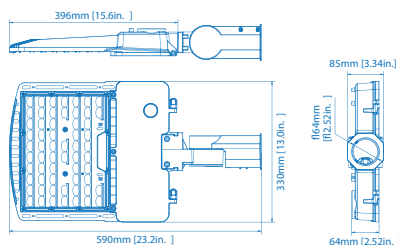
UL Listed for wet locations. FCC compliant. Design Lights Consortium® (DLC) 5.1 Premium qualified product.

PERFORMANCE

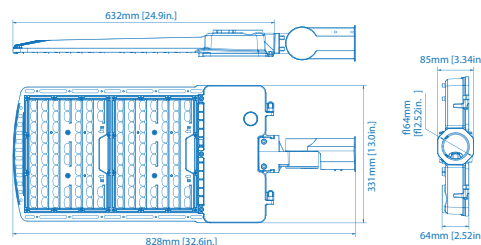
Series Number	Power Percentage	Wattage	DIST. TYPE	CRI	3000K		4000K		5000K	
					LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
FLF LS230	100%	140 W	NEMA 7 7x7	70	19,200 Lm	143 Lm/W	23,000 Lm	164 Lm/W	21,000 Lm	150 Lm/W
	80%	120 W	NEMA 7 7x7	70	18,000 Lm	150 Lm/W	20,000 Lm	167 Lm/W	18,500 Lm	154 Lm/W
	60%	90 W	NEMA 7 7x7	70	14,000 Lm	156 Lm/W	15,500 Lm	172 Lm/W	14,500 Lm	161 Lm/W
	40%	60 W	NEMA 7 7x7	70	9,700 Lm	162 Lm/W	10,600 Lm	177 Lm/W	10,000 Lm	167 Lm/W
FLF LS450	100%	300 W	NEMA 7 7x7	70	41,000 Lm	137 Lm/W	45,000 Lm	150 Lm/W	42,000 Lm	140 Lm/W
	80%	240 W	NEMA 7 7x7	70	35,000 Lm	146 Lm/W	38,500 Lm	160 Lm/W	36,000 Lm	150 Lm/W
	60%	180 W	NEMA 7 7x7	70	28,000 Lm	156 Lm/W	30,000 Lm	167 Lm/W	28,500 Lm	158 Lm/W
	40%	120 W	NEMA 7 7x7	70	19,200 Lm	160 Lm/W	21,500 Lm	179 Lm/W	20,000 Lm	167 Lm/W
FLF LS600	100%	400 W	NEMA 7 7x7	70	Not Applicable		60,500 Lm	151 Lm/W	60,000 Lm	150 Lm/W
	80%	360 W	NEMA 7 7x7	70			56,000 Lm	156 Lm/W	55,000 Lm	153 Lm/W
	60%	320 W	NEMA 7 7x7	70			51,000 Lm	159 Lm/W	50,000 Lm	156 Lm/W
	40%	300 W	NEMA 7 7x7	70			47,000 Lm	162 Lm/W	46,000 Lm	159 Lm/W

FLF DIMENSIONS

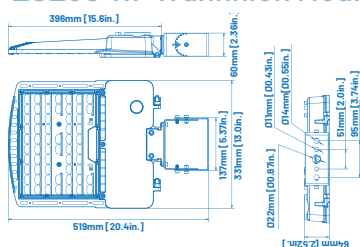
FLF LS230 W/ Adjustable Slipfitter Mount



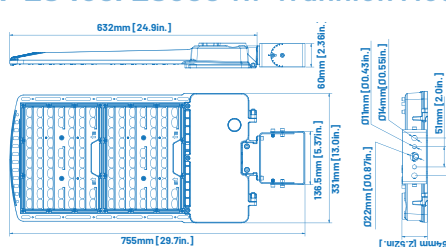
FLF LS450/LS600 W/ Adjustable Slipfitter Mount



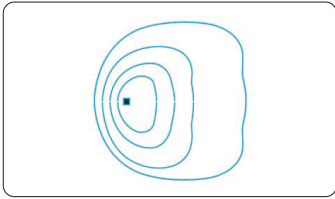
FLF LS230 W/ Trunnion Mount



FLF LS450/LS600 W/ Trunnion Mount



PHOTOMETRIC



NEMA 77Hx7V

ELECTRICAL LOAD

	Power Setting	Wattage	Current (A)					Current (A)	
			120V	208V	240V	277V		347V	480V
FLF LS230	Low	60 W	0.5	0.29	0.29	0.22	FLF LS230 HVU	0.17	0.13
	Med	85 W	0.71	0.41	0.41	0.31		0.24	0.18
	High	110 W	0.92	0.53	0.53	0.4		0.32	0.23
	Max	140 W	1.17	0.67	0.67	0.51		0.4	0.29
FLF LS450	Low	120 W	1	0.58	0.5	0.43	FLF LS450 HVU	0.35	0.25
	Med	180 W	1.5	0.87	0.75	0.65		0.52	0.38
	High	240 W	2	1.15	1	0.87		0.69	0.5
	Max	300 W	2.5	1.44	1.25	1.08		0.86	0.63
FLF LS600	Low	300 W	2.5	1.44	1.25	1.08	FLF LS600 HVU	0.86	0.63
	Med	320 W	2.7	1.5	1.33	1.16		0.92	0.67
	High	360 W	3	1.73	1.5	1.3		1.04	0.75
	Max	400 W	3.33	1.92	1.66	1.44		1.15	0.83

EPA OF AREA LIGHT

ITEM								
140W	0.3632	0.6849	0.8861	0.7264	1.0481	1.2078	1.0481	
300W/400W	0.4758	0.8091	1.059	0.9516	1.2849	1.3923	1.2849	

ACCESSORIES



PSC
Twist-lock Photocell (120-277V)
with shorting cap
(ship with all 120-277V FLF models)



PC-2
Twist-lock Photocell (480V)



MSB-DCE-06-W
Plug-in Controller/Sensor



FCB-DCE-02-W
Plug-in Node



MS-DCE-09-L7-W
Weather treated Motion Sensor

DLC PRODUCT ID

MODEL NUMBER	ID NUMBER
FLF LS230 N77 G1 FSK	S-SFDKQU
FLF LS450 N77 G1 FSK	S-ZT7E0I
FLF LS600 N77 G1 FSK	S-5LSWZ2

NOTE: ID numbers apply regardless of mount, finish color, or power type.

PROJECTED LUMINAIRE MAINTENANCE

FLF LS230 G1 FSK (AT 140W)

LM-80 Testing Details	
Total number of units tested per case temp:	30
Number of failures:	0
Number of units measured:	30
Test duration (hours):	12,000
Tested drive current (mA):	120
Tested case temperature 1 (T _c , °C):	85
Tested case temperature 2 (T _c , °C):	105

Test Data for 85°C Case Temp	
Time (hours)	Lumen Maintenance (%)
0	100.00%
1,000	100.10%
2,000	99.87%
3,000	99.56%
4,000	99.14%
5,000	98.66%
6,000	98.24%
7,000	97.87%
8,000	97.54%
9,000	97.26%
10,000	96.93%
11,000	96.74%
12,000	96.58%

Test Data for 105°C Case Temp	
Time (hours)	Lumen Maintenance (%)
0	100.00%
1,000	99.68%
2,000	99.35%
3,000	98.90%
4,000	98.37%
5,000	97.81%
6,000	97.36%
7,000	96.94%
8,000	96.48%
9,000	96.01%
10,000	95.65%
11,000	95.10%
12,000	94.66%

Results	
Time (t) at which to estimate Lumen maintenance (hours):	50,000
Lumen maintenance at time (t)(%):	86.47%
Reported L70 (hours):	>72,000

PROJECTED LUMINAIRE MAINTENANCE (CONTINUED)

FLF LS450 G1 FSK (AT 300W)

LM-80 Testing Details	
Total number of units tested per case temp:	30
Number of failures:	0
Number of units measured:	30
Test duration (hours):	12,000
Tested drive current (mA):	120
Tested case temperature 1 (T _c , °C):	85
Tested case temperature 2 (T _c , °C):	105

Test Data for 85°C Case Temp	
Time (hours)	Lumen Maintenance (%)
0	100.00%
1,000	100.10%
2,000	99.87%
3,000	99.56%
4,000	99.14%
5,000	98.66%
6,000	98.24%
7,000	97.87%
8,000	97.54%
9,000	97.26%
10,000	96.93%
11,000	96.74%
12,000	96.58%

Test Data for 105°C Case Temp	
Time (hours)	Lumen Maintenance (%)
0	100.00%
1,000	99.68%
2,000	99.35%
3,000	98.90%
4,000	98.37%
5,000	97.81%
6,000	97.36%
7,000	96.94%
8,000	96.48%
9,000	96.01%
10,000	95.65%
11,000	95.10%
12,000	94.66%

Results	
Time (t) at which to estimate Lumen maintenance (hours):	50,000
Lumen maintenance at time (t) (%):	86.47%
Reported L70 (hours):	>72,000

CATALOGUE

Catalog Number	Description	Lumens	Watts	CCT	Voltage	Mount
FLF LS230 N77 G1 FSK PSC SFD	FLF Flexible Flood Light, 23000Lm - 140W Max, 4 Level Wattage Adjustable, 120-277VAC, NEMA 7, Gen1, 3000/4000/5000K, With 3 Pin Photocell & Shorting Cap, With Slipfitter Mount, Dark Bronze	Selectable 10,000 - 23,000 Lm	Selectable 60 - 140W	Selectable 3000K - 5000K	120-277V	Included Slipfitter Mount
FLF LS230 N77 G1 FSK PSC T	FLF Flexible Flood Light, 23000Lm - 140W Max, 4 Level Wattage Adjustable, 120-277VAC, NEMA 7, Gen1, 3000/4000/5000K, With 3 Pin Photocell & Shorting Cap, With Trunnion Mount, Dark Bronze	Selectable 10,000 - 23,000 Lm	Selectable 60 - 140W	Selectable 3000K - 5000K	120-277V	Included Trunnion Mount
FLF LS450 N77 G1 FSK PSC SFD	FLF Flexible Flood Light, 45000Lm - 300W Max, 4 Level Wattage Adjustable, 120-277VAC, NEMA 7, Gen1, 3000/4000/5000K, With 3 Pin Photocell & Shorting Cap, With Slipfitter Mount, Dark Bronze	Selectable 20,000 - 45,000 Lm	Selectable 120 - 300W	Selectable 3000K - 5000K	120-277V	Included Slipfitter Mount
FLF LS450 N77 G1 FSK PSC T	FLF Flexible Flood Light, 45000Lm - 300W Max, 4 Level Wattage Adjustable, 120-277VAC, NEMA 7, Gen1, 3000/4000/5000K, With 3 Pin Photocell & Shorting Cap, With Trunnion Mount, Dark Bronze	Selectable 20,000 - 45,000 Lm	Selectable 120 - 300W	Selectable 3000K - 5000K	120-277V	Included Trunnion Mount
FLF LS600 N77 G1 FSK PSC SFD	FLF Flexible Flood Light, 60000Lm - 400W Max, 4 Level Wattage Adjustable, 120-277VAC, NEMA 7, Gen1, 3000/4000/5000K, With 3 Pin Photocell & Shorting Cap, With Slipfitter Mount, Dark Bronze	Selectable 28,000 - 60,000 Lm	Selectable 160 - 400W	Selectable 3000K - 5000K	120-277V	Included Slipfitter Mount
FLF LS600 N77 G1 FSK PSC T	FLF Flexible Flood Light, 60000Lm - 400W Max, 4 Level Wattage Adjustable, 120-277VAC, NEMA 7, Gen1, 3000/4000/5000K, With 3 Pin Photocell & Shorting Cap, With Trunnion Mount, Dark Bronze	Selectable 28,000 - 60,000 Lm	Selectable 160 - 400W	Selectable 3000K - 5000K	120-277V	Included Trunnion Mount
FLF LS230 N77 G1 HVU FSK	FLF Flexible Flood Light, 23000Lm - 140W Max, 4 Level Wattage Adjustable, 347-480VAC, NEMA 7, Gen1, 3000/4000/5000K, Dark Bronze	Selectable 20,000 - 45,000 Lm	Selectable 60 - 140W	Selectable 3000K - 5000K	347-480V	NOT INCLUDED
FLF LS450 N77 G1 HVU FSK	FLF Flexible Flood Light, 45000Lm - 300W Max, 4 Level Wattage Adjustable, 347-480VAC, NEMA 7, Gen1, 3000/4000/5000K, Dark Bronze	Selectable 10,000 - 23,000 Lm	Selectable 120 - 300W	Selectable 3000K - 5000K	347-480V	NOT INCLUDED
FLF LS600 N77 G1 HVU FSK	FLF Flexible Flood Light, 60000Lm - 400W Max, 4 Level Wattage Adjustable, 347-480VAC, NEMA 7, Gen1, 3000/4000/5000K, Dark Bronze	Selectable 28,000 - 60,000 Lm	Selectable 160 - 400W	Selectable 3000K - 5000K	347-480V	NOT INCLUDED