

FLG-L

LED FLOOD SERIES

The FLG series is a family of highly efficient and powerful LED flood lights available in three different lumen packages. Typical applications include general lighting of grounds, storage yards, car dealerships, parking areas as well as flood lighting of signs and building fronts.

FEATURES AND SPECIFICATIONS

• Construction

Housing

Each fixture within this series has a modern design with aluminum die cast housing, standard with a bronze anti-corrosive powder coat finish. Ingress protection rated IP65.

Mounting options

The FLG-L series comes standard with a trunnion mount however, depending on the package, 1/2" NPT or slipfitter mounting options are available.

Lens and optics

Clear tempered glass with silicone gasket helps protect the optics and COBs from outdoor elements. The reflective chamber housing the COBs provides highly efficient output.

- S1 package offers NEMA 6x5
- S2 package offers NEMA 6x6
- S3 package offers NEMA 7x6 for 120-277V and offers NEMA 6x6 for 347V

• Electrical

LED driver allows input from 120-277V, or 347V with the following onboard surge:

- **S1:** 4kV standard for 120-277V and 347V
- **S2:** 10kV for 120-277V and 6kV for 347V
- **S3:** 10kV standard for 120-277V and 347V

The FLG-L flood light is suitable for ambient temperature range of -40°C to +40°C. Available in 4000K and 5000K colour temperatures with a lumen per watt ratio of 110 lm/W to 129 lm/W depending on the lumen package.

- Replaces up to a 450W metal halide equivalent
- For S2 and S3 packages, 0-10V driver is standard

• Compliances

- IP65
- cETLus

TRUNNION MOUNT EPA



Configuration number	1	2	3	5	7
FLG-LS1	0.66 ft ²	1.32 ft ²	1.1 ft ²	1.76 ft ²	2.42 ft ²

SLIPFITTER AND TRUNNION MOUNT EPA



Configuration number	1	2	3	4	5
FLG-LS2 and FLG-LS3	0.99 ft ²	1.98 ft ²	1.66 ft ²	2.65 ft ²	3.64 ft ²

WEIGHT

Lumen packages	S1	S2	S3
Weight (lbs)	7.82	20.94	

* Please note that not all configurations are dimmable.

Project: _____
 Type: _____
 Catalogue #: _____
 Drawn by: _____
 Date: _____



Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/search.

OVERVIEW

Lamp	LED
Wattage	70W - 150W
Lumens	8000lm - 17,712lm
Lm/W	110lm/W - 129lm/W
Colour temperature	4000K and 5000K

QUICK SHIP ORDERING GUIDE

Part number	Wattage (W)	Lumens	Voltage (V)	Colour temperature	Efficacy (Lm/W)
FLG-LS1-W/40K	70	8000	120-277	4000K	114
FLG-LS2-W/40K	100	11,000	120-277	4000K	110
FLG-LS3-W/40K	150	18,000	120-277	4000K	120
FLG-LS1-W/50K	70	8200	120-277	5000K	117
FLG-LS2-W/50K	100	11,200	120-277	5000K	112
FLG-LS3-W/50K	150	18,300	120-277	5000K	122
FLG-LS1-H/40K	70	8055	347	4000K	118
FLG-LS2-H/40K	100	10,281	347	4000K	114
FLG-LS3-H/40K	150	17,165	347	4000K	125
FLG-LS1-H/50K	70	8312	347	5000K	122
FLG-LS2-H/50K	100	10,609	347	5000K	118
FLG-LS3-H/50K	150	17,712	347	5000K	129

* **QUICK SHIP:** Product availability is subject to change without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

ORDERING GUIDE

Series	Lamp type	Lumen package	Voltage	Colour temperature	Casting colour	Options
FLG	L - LED	S1 - Refer to lumen chart table for details S2 - Refer to lumen chart S3 - table for details	W - 120-277V H - 347V	40K - 4000K 50K - 5000K	Blank - Bronze (standard)	Blank - Trunnion mount NPT1 - 1/2" fitter Blank - Trunnion mount A - Slipfitter mount*

* Slipfitter mount fits 2-3/8" O.D. tenon.

LUMEN CHART TABLE

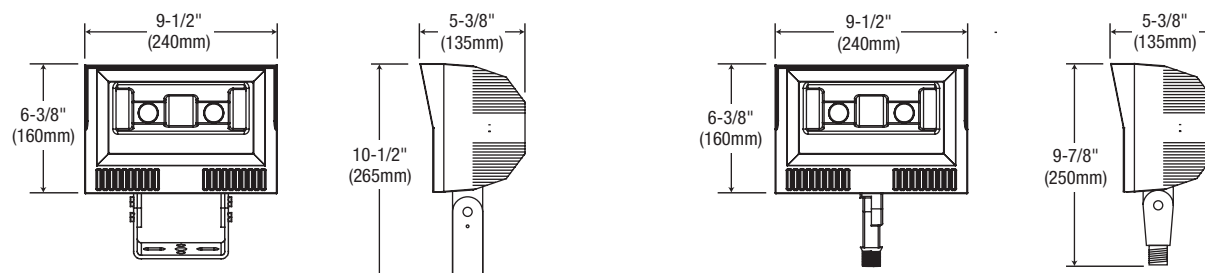
Electrical data												
Package	Distribution type	Input voltage (V)	LED current (mA)	System power (W)	Lumens	LM/W	CCT	CRI	Lumens	LM/W	CCT	CRI
					4000K				5000K			
S1	NEMA 6x5	120-277	1800	70	8000	114	4000	70	8200	117	5000	70
		347		70	8055	118	4000	70	8312	122	5000	70
S2	NEMA 6x6	120-277	2600	100	11,000	110	4000	70	11,200	122	4902	73
		347		100	10,281	114	4000	70	10,609	118	5000	70
S3	NEMA 7x6	120-277	3800	150	18,000	120	4000	70	18,300	122	5013	72
	NEMA 6x6	347		150	17,165	125	4000	70	17,712	129	5000	70

				Lumen maintenance		
Package	Input voltage (V)	PF	THD	Reported L70	Calculated TM21	LM80 @ (Hrs)
S1	120-277	0.94	9.4%	>90,000	155,000.00	15,000
	347	0.98	13.5%			
S2	120-277	0.93	10.6%	>90,000	164,000.00	15,000
	347	0.99	11.56%			
S3	120-277	0.92	8.80%	>90,000	164,000.00	15,000
	347	0.98	8.7%			

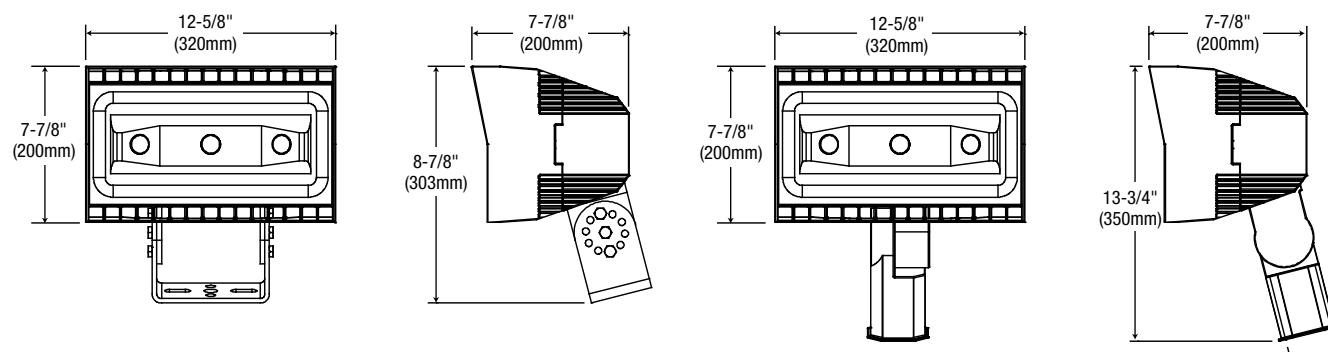
Comments

DIMENSIONS

S1



S2 and S3



MOUNTING OPTIONS

S1 with trunnion (standard)



S1 with 1/2" NPT

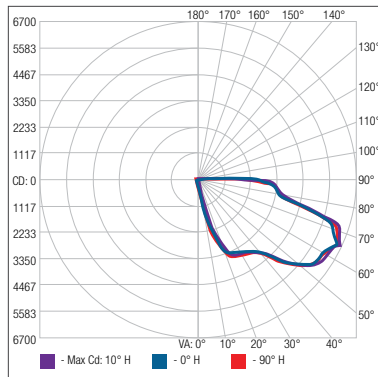


S2 and S3 with trunnion (standard)



S2 and S3 with slipfitter



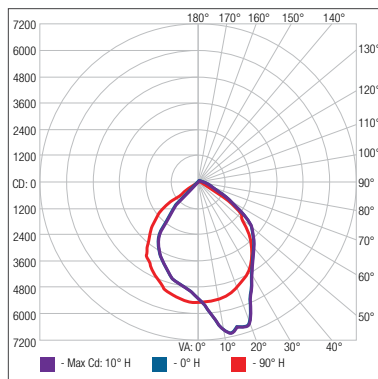
PHOTOMETRIC DATA
FLG-LS1-W/40K • 8609 lm
Polar candela distribution

Zonal lumen summary

Zone	Lumens	Lamp %	% Fixture
0-30	733.1	8.5%	8.5%
0-40	1567.7	18.2%	18.2%
0-60	4332.3	50.3%	50.3%
60-90	4003.9	46.5%	46.5%
70-100	2490.6	28.9%	28.9%
90-120	260.4	3%	3%
0-90	8336.2	96.8%	96.8%
90-180	273.3	3.2%	3.2%
0-180	8609.5	100%	100%

Illuminance at a distance

Center beam fc		Beam width	
1.7'	57.3 fc	2.0'	3.0'
3.3'	15.2 fc	4.0'	5.9'
5.0'	6.62 fc	6.0'	8.8'
6.7'	3.69 fc	8.1'	11.7'
8.3'	2.40 fc	10.0'	14.5'
10.0'	1.66 fc	12.0'	17.5'

■ Vert. spread: 62.1°
■ Horiz. spread: 82.4°

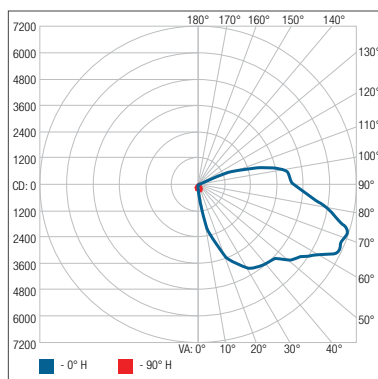
FLG-LS2-W/40K • 10,934 lm
Polar candela distribution

Zonal lumen summary

Zone	Lumens	Lamp %	% Fixture
0-30	4479.2	41%	41%
0-40	7039.4	64.4%	64.4%
0-60	10,535.9	96.4%	96.4%
60-90	373.0	3.4%	3.4%
70-100	24.9	0.2%	0.2%
90-120	2.5	0%	0%
0-90	10,908.9	99.8%	99.8%
90-180	23.1	0.2%	0.2%
0-180	10,932.0	100%	100%

Illuminance at a distance

Center beam fc		Beam width	
1.7'	1884 fc	2.7'	3.2'
3.3'	500 fc	5.2'	6.1'
5.0'	218 fc	7.8'	9.3'
6.7'	121 fc	10.5'	12.5'
8.3'	79.0 fc	13.0'	15.4'
10.0'	54.4 fc	15.7'	18.6'

■ Vert. spread: 76.2°
■ Horiz. spread: 85.8°

FLG-LS3-W/40K • 18,283 lm
Polar candela distribution

Zonal lumen summary

Zone	Lumens	Lamp %	% Fixture
0-30	1259.3	6.9%	6.9%
0-40	2684.7	14.7%	14.7%
0-60	6986.3	38.2%	38.2%
60-90	8202.1	44.9%	44.9%
70-100	6935.6	37.9%	37.9%
90-120	3051.3	16.7%	16.7%
0-90	15,188.4	83.1%	83.1%
90-180	3096.6	16.9%	16.9%
0-180	18,285.1	100%	100%

Illuminance at a distance

Center beam fc		Beam width	
1.7'	68.8 fc	2.9'	3.6'
3.3'	18.3 fc	5.6'	7.1'
5.0'	7.96 fc	8.6'	10.7'
6.7'	4.43 fc	11.5'	14.4'
8.3'	2.89 fc	14.2'	17.8'
10.0'	1.99 fc	17.1'	21.4'

■ Vert. spread: 81.1°
■ Horiz. spread: 94.0°

All products are subject to change or may be discontinued any time without notice.