

FLG-L FLOOD LIGHTING

The FLG series is a family of highly efficient and powerful LED flood lights available in two 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, 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, the 1/2" NPT option is available for the 70W fixture.

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

• Electrical

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

- S1: 4 kV standard for 120-277 V
- S2: 10 kV for 120-277 V

The FLG-L flood light is suitable for ambient temperature range of -40°C to +40°C. Available in 4 000 K and 5 000 K color temperatures with a lumen per watt ratio of 118 lm/W to 123 lm/W depending on the lumen package.

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

• Compliances

- IP65
- cETLus



OVERVIEW

Light source	LED
Watts (W)	70 and 100
Lumen output (lm)	8 000 - 11 200
Efficiency (lm/W)	118 - 123
Color temperature (K)	4 000, 5 000
Weight (lbs)	S1: 7.82, S2: 20.94



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.

* Please note that not all configurations are dimmable.

QUICK SHIP AND TECHNICAL SPECIFICATION TABLE  ¹

Part number	DLC unique ID	Watts (W)	Color temp. (K) ²	Lumen output (lm) ³	Efficiency (lm/W)	CRI	Life L70 (hrs) ⁴	Tested hours LM-80 (hrs) ⁴	Finish	LED current (mA)	Power factor	THD (%)	Traditional equivalent (W)		Case qty (master)
														HM	SHP
120-277 V															
FLG-LS1-W/40K	PKQFCAJY	70	4 000	8 000	118	70	>90 000	15 000	Bronze	1 800	0.94	9	175-250	150-175	1
FLG-LS2-W/40K	P2CP5AFC	100	4 000	11 000	121	70	>90 000	15 000	Bronze	2 600	0.93	11	250-400	250	1
FLG-LS1-W/50K	P19E4QPD	70	4 000	8 200	120	70	>90 000	15 000	Bronze	1 800	0.94	9	175-250	150-175	1
FLG-LS2-W/50K	P3QQFGWX	100	4 000	11 200	123	70	>90 000	15 000	Bronze	2 600	0.93	11	250-400	250	1

¹ **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.

² Typical color temperature range: +/- 5 %.


³ Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

⁴ Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

ORDERING GUIDE

Series	Lamp type	Lumen package	Volts (V)	Color temp. (K)	Casting color	Options
FLG	L - LED	S1- 70 W	W - 120-277	40K - 4 000 50K - 5 000	Blank - Bronze	NPT1 - 1/2" fitter

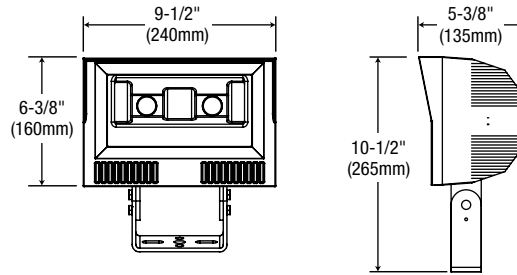
CONFIGURATIONS

Configuration number							
	1	2	3	4	5	5	7
FLG-LS1 Trunnion mount EPA	0.66 ft ²	1.32 ft ²	1.1 ft ²	-	1.76 ft ²	-	2.42 ft ²
FLG-LS2 Trunnion mount EPA	0.99 ft ²	1.98 ft ²	1.66 ft ²	2.65 ft ²	-	3.64 ft ²	-

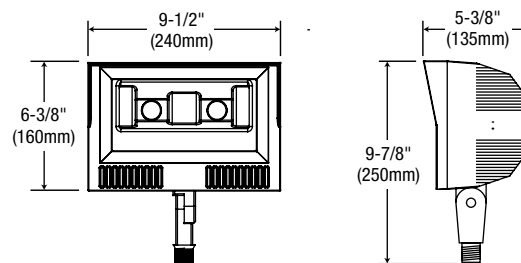
Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

MOUNTING OPTIONS

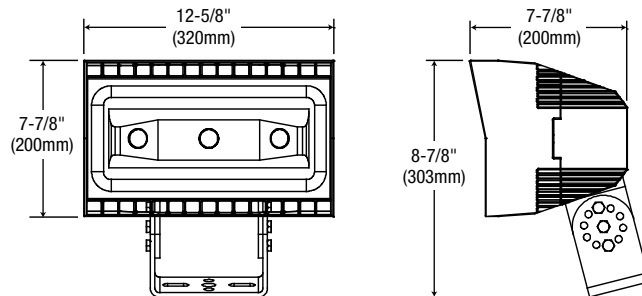
S1 with trunnion (standard)



S1 with 1/2" NPT



S2 with trunnion (standard)

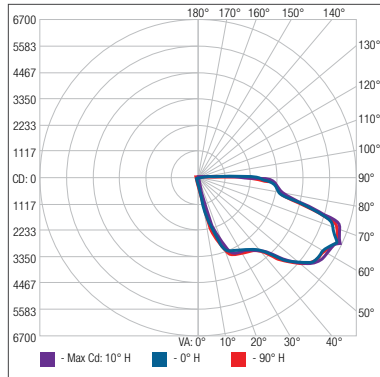


Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

PHOTOMETRIC DATA¹

FLG-LS1-W/40K • 8 609 lm

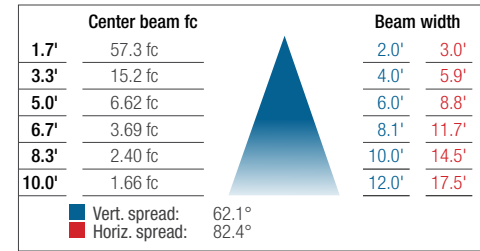
Polar candela distribution



Zonal lumen summary

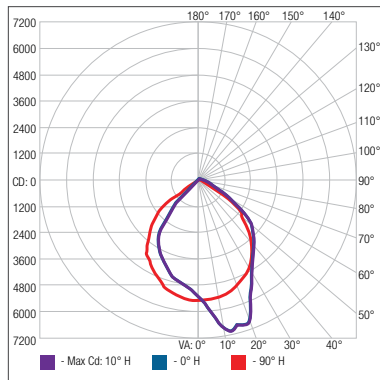
Zone	Lumens	Lamp %	% Fixture
0-30	733.1	8.5%	8.5%
0-40	1 567.7	18.2%	18.2%
0-60	4 332.3	50.3%	50.3%
60-90	4 003.9	46.5%	46.5%
70-100	2 490.6	28.9%	28.9%
90-120	260.4	3%	3%
0-90	8 336.2	96.8%	96.8%
90-180	273.3	3.2%	3.2%
0-180	8 609.5	100%	100%

Illuminance at a distance



FLG-LS2-W/40K • 10 934 lm

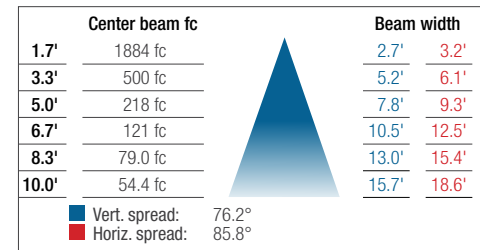
Polar candela distribution



Zonal lumen summary

Zone	Lumens	Lamp %	% Fixture
0-30	4 479.2	41%	41%
0-40	7 039.4	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



¹ Complete IES files available on our website.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.