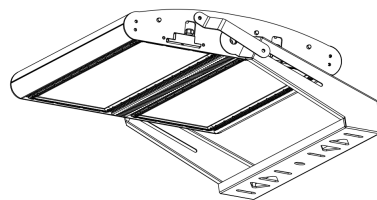


60-400W



500-1200W

Floodlight FL-A (GEN2) Spec Sheet

Version 4.3
August, 2020

Our FL-A (GEN2) is the state-of-the-art and our factory's flagship product, engineered with an industry leading fold fin thermal technology and designed for the high performance outdoor lighting market. We are proud to launch this latest generation with the improved features and optics.

Features & Benefits

- Up to 1200W and over 170,000 luminous flux, with system efficacy exceeding 140 lm/W.
- Slim profile offering best performance ratio for windage and weight.
- Unique, fold fin heatsink technology greatly reduces thermal density and maintains a low LED junction temperature
- Full range of optics for a wide variety of professional lighting applications
- Protective UV stabilized powder coated finish
- IP65 weather resistant
- 0-10V or DALI Dimming options and compatible with all leading lighting control systems

Applications

Designed for sports, site and area applications such as;

- Any outdoor sports fields & courts
- Indoor arenas
- Signage & Billboards
- Ports & Depots
- Building facades
- Heavy industrial and wet locations

Technical Specification

Description	LED Flood Light (FL-A-GEN2)									
Recommended Product Location	Sports, site and area lighting applications									
SINGLE PCB										
Model	FLA-060-G2	FLA-080-G2	FLA-100-G2	FLA-120-G2	FLA-150-G2	FLA-200-G2	FLA-250-G2	FLA-300-G2	FLA-350-G2	FLA-400-G2
Typical System Power (W)	66	85	100	130	155	220	250	310	370	440
Typical Luminous Flux (lm)	9,400	12,100	14,100	18,500	22,100	31,300	35,600	44,100	52,600	62,600
Weight (kg)	4.2	5.9	5.9	7.2	7.2	8.2	8.9	11.1	12.3	12.3
DUAL PCB										
Model	FLA-500-G2	FLA-600-G2	FLA-800-G2	FLA-1000-G2	FLA-1200-G2					
Typical System Power (W)	500	620	880	1000	1200					
Typical Luminous Flux (lm)	71,200	88,200	125,300	142,400	170,800					
Weight (kg)	21.5	22.2	21.5 (Remark 1)	21.5 (Remark 1)	25.3 (Remark 1)					
Light Source	Lumileds/Osram 5050									
Correlated Colour Temperature	3000K, 4000K, 5000K, 6500K									
Colour Rendering Index	>70 (>80 optional)									
System Efficacy	135 to 143 lm/W (depends on optics)									
LED Junction Temp.	≤75°C (@ Ta=25°C)									
Light Distribution Options	(Check PHOTOMETRIC section for detail information)									
Driver	Meanwell									
Input Voltage Range	90-305VAC (347-480VAC optional)									
Power Factor	> 0.90									
Electrical Class	Class I									
Dimming Control (optional)	0-10V, DALI									
Ambient Operating Temperature	-40°C to +45°C									
Ambient Storage Temperature	-25°C to +80°C									
Material	Aluminium (heatsink) / Stainless Steel (bracket)									
Optical Cover	Tempered Glass									
Finish	Black powder coated (customized RAL colour available upon request)									
Ingress Protection (IP)	IP65									
Batch Coded	Yes									
Certification	CE, CB, SAA, ETL									
Remark	(1). For FLA-800-G2 and higher wattage, only remote driver configuration is available. Weight information is FIXTURE ONLY, drivers not included. (2). For 600W and below, all drivers are build-in on fixture. Weight information is driver included. (3). Above luminous flux are typical values, actual results can vary according to different optics. Please refer to latest photometric files.									

Accessories

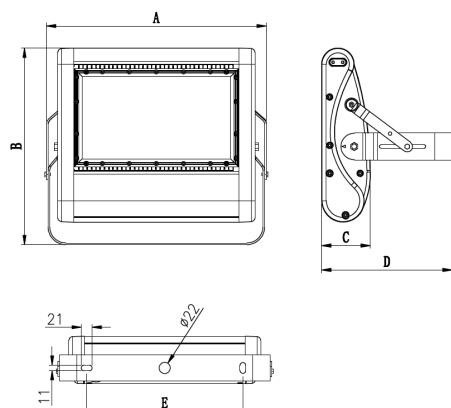
Trunnion bracket / Slip fitter options

NEMA receptacle options

5-pin, 7-pin

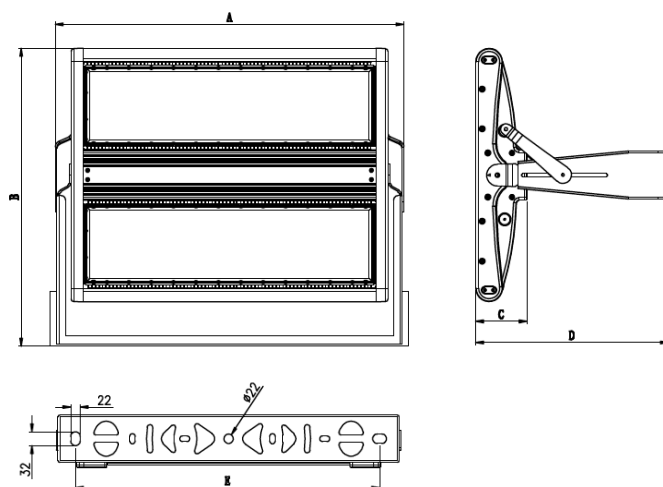
Dimensions

60W to 400W (Single PCB)



Model	Dimensions (mm)		
	A	B	C
FLA-060-G2	259	367	91
FLA-080-G2	310	367	91
FLA-100-G2	310	367	91
FLA-120-G2	360	367	91
FLA-150-G2	360	367	91
FLA-200-G2	411	367	91
FLA-250-G2	461	367	91
FLA-300-G2	562	367	91
FLA-350-G2	663	367	91
FLA-400-G2	663	367	91

500W to 1200W (Double PCB)



Model	Dimensions (mm)		
	A	B	C
FLA-500-G2	584	672	116
FLA-600-G2	584	672	116
FLA-800-G2	788	583	116
FLA-1000-G2	788	583	116
FLA-1200-G2	938	583	116

* Remark:

Please contact our sales representatives for other detail dimensions, such as D and E in above drawings, remote driver box configurations and weight information.

Photometrics

Round profile:

N020 = Round 20°x20°

N030 = Round 30°x30°

N060 = Round 60°x60°

Square profile:

S060 = Square 60°x60°

S090 = Square 90°x90°

Asymmetric profile:

A045 = Single 45°x145°

A070 = Single 70°x145°

A60S = Linear 60°x90°

A60L = Linear 60°x135°

Ultra-asymmetric profile:

U030 = Ultra 30°x95°

U060 = Ultra 60°x140°

(Photometric light distribution profile to be supplied separately)

Ordering Information

Product ID	Power	Version	Color Temp	CRI	Optics	Control
FLA-GEN2 (Single PCB)	060 = 60W	GEN2	30K = 3000K	70 = Min 70	Round	ND = Non-Dimmable VD = 0-10V Dimmable DD = DALI Dimmable
	080 = 80W		40K = 4000K	80 = Min 80	N020 = 20°x20°	
	100 = 100W		50K = 5000K		N030 = 30°x30°	
	120 = 120W		65K = 6500K		N060 = 60°x60°	
	150 = 150W				Square	
	200 = 200W				S060 = 60°x60°	
	250 = 250W				S090 = 90°x90°	
	300 = 300W				Asymmetric	
	350 = 350W				A045 = 45°x145°	
	400 = 400W				A070 = 70°x145°	
FLA-GEN2 (Double PCB)	500 = 500W				A60S = 60°x90°	
	600 = 600W				A60L = 60°x135°	
	800 = 800W				Ultra-asymmetric	
	1000 = 1000W				U030 = 30°x95°	
	1200 = 1200W				U060 = 60°x140°	

Note: Actual performance may differ as a result of end-user environment and application. All values are typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.