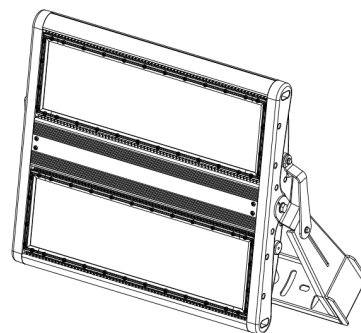


60-400W



500-1200W

Arrow GEN2 (FL-G2)

Spec Sheet

Version 4.2
January 2020

Arrow is the state-of-the-art, flagship product from Ark's floodlight collection, engineered with an industry-leading fold fin thermal technology and designed for high-performance outdoor applications. Features include increased LM/W performance and enhanced optics.

Features & Benefits

- Up to 1200W and over 170,000 luminous flux, with system efficacy exceeding 140 lm/W.
- Slim profile offering the 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;

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

Technical Specification

Description	Arrow FL-G2									
Recommended Product Location	Sports, site and area lighting applications									
	SINGLE PCB									
Model	ALUX-FL-60-G2	ALUX-FL-80-G2	ALUX-FL-100-G2	ALUX-FL-120-G2	ALUX-FL-150-G2	ALUX-FL-200-G2	ALUX-FL-250-G2	ALUX-FL-300-G2	ALUX-FL-350-G2	ALUX-FL-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	ALUX-FL-500-G2	ALUX-FL-600-G2	ALUX-FL-800-G2	ALUX-FL-1000-G2	ALUX-FL-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	30.1	31.5	35.5					
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									
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). Above weight information is with build-in drivers, remote driver box options availble upon request (2). Above luminous flux are typical values, actual results can vary according to different optics. Please refer to latest photometric files.									

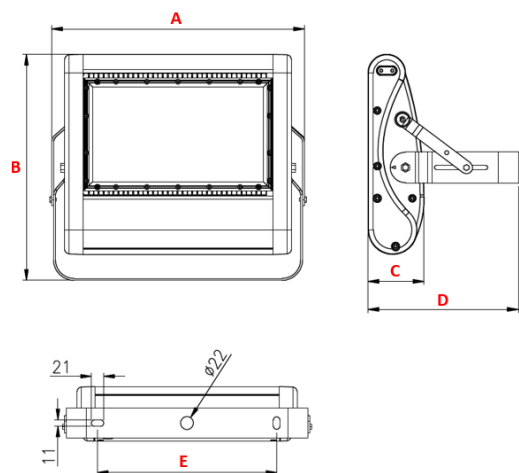
Accessories

NEMA receptacle options

5-pin, 7-pin

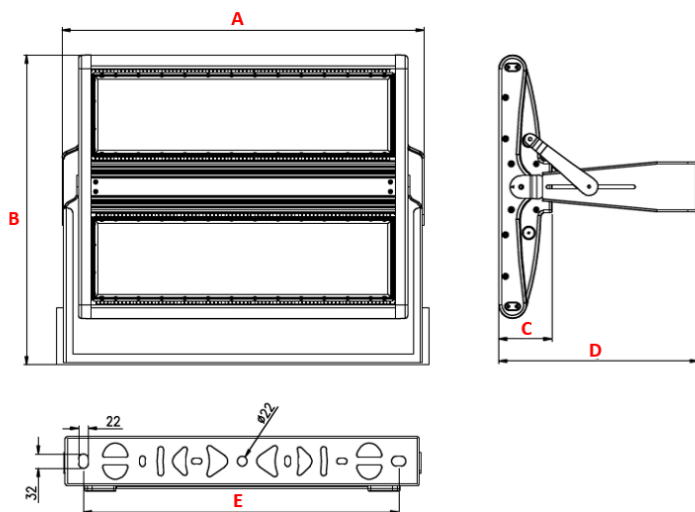
Dimensions

Flood light from 60W to 400W (Single PCB)



Model	Dimensions (mm)				
	A	B	C	D	E
ALUX-FL-60-G2	259	367	91	244	150
ALUX-FL-80-G2	310	367	91	244	200
ALUX-FL-100-G2	310	367	91	244	200
ALUX-FL-120-G2	360	367	91	244	250
ALUX-FL-150-G2	360	367	91	244	250
ALUX-FL-200-G2	411	367	91	244	300
ALUX-FL-250-G2	461	367	91	244	350
ALUX-FL-300-G2	562	367	91	244	450
ALUX-FL-350-G2	663	367	91	244	550
ALUX-FL-400-G2	663	367	91	244	550

Flood light from 500W to 1200W (Dual PCB)



Model	Dimensions (mm)				
	A	B	C	D	E
ALUX-FL-500-G2	584	672	116	435	490
ALUX-FL-600-G2	584	672	116	435	490
ALUX-FL-800-G2	788	672	116	435	695
ALUX-FL-1000-G2	788	672	116	435	695
ALUX-FL-1200-G2	940	672	116	435	845

* Remark: Please contact our sales representatives for detail dimensions of remote driver box configurations and weight information.

Photometrics

<u>Round profile:</u>	<u>Square profile:</u>	<u>Asymmetric profile:</u>	<u>Ultra-asymmetric profile:</u>
N020 = Round 20°x20°	S060 = Square 60°x60°	A045 = Single 45°x145°	U025 = Ultra 25°x125°
N030 = Round 30°x30°	S090 = Square 90°x90°	A070 = Single 70°x145°	U030 = Ultra 30°x95°
N060 = Round 60°x60°		A60L = Linear 60°x135°	U060 = Ultra 60°x140°

(Photometric light distribution profile to be supplied separately)

Ordering Information

Product ID	Power	Version	Color Temp	CRI	Optics	Control
FL-G2 (Single PCB)	060 = 60W	GEN2	30K = 3000K 40K = 4000K 50K = 5000K 65K = 6500K	70 = Min 70 80 = Min 80	Round	ND = Non-Dimmable VD = 0-10V Dimmable DD = DALI Dimmable
	080 = 80W				N020 = 20°x20°	
	100 = 100W				N030 = 30°x30°	
	120 = 120W				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°	
FL-G2 (Dual PCB)	500 = 500W				A60L = 60°x135°	Ultra-asymmetric
	600 = 600W				U025 = 25°x125°	
	800 = 800W				U030 = 30°x95°	
	1000 = 1000W				U060 = 60°x140°	
	1200 = 1200W					

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 are subject to change without notice.