



FG3000 LED floodlight

A high intensity broad-beamed artificial lights for illuminating outdoor wide area after sunset. It was developed for replacement of traditional HID floodlight with compatible



General Characteristic

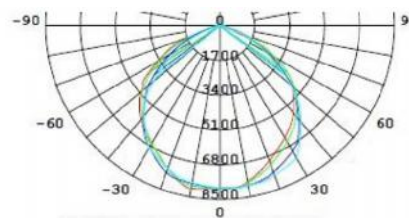
Body structure	The bodywork is completely fabricated by die-cast aluminum alloy material integrated with the light source thus form the highly efficient thermal management
Diffuser	Clear tempered glass
Finishing	Anodized in black color
Rated life span	≥40000 hours (accumulative)
Ingress protection	IP65
Certification	CE, FCC, RoHS

Light Characteristic

Light source	Bridgelux 45mil high power LED
LED module	SMD
Color rendering index	Ra ≥75
Color temperature	3200K (K3); 4200K (K4); 6500K (K5)
Luminous efficacy	≥90 lumen per watt
Mean lumen	18000lm (T _j =60°C, T _a =25°C)
RF interference	Free
Beam angle	100 degree
Ultra violet rays	Free
Operation temperature	-30° ~+65°C (max)

Electrical Characteristic (electronic gear)

AC input voltage range	90~305VAC, 47~63Hz
Power	200W
Power factor	PF ≥0.9
Current regulation	±3%
Protection type	OCP, OVP, OTP, SCP
Output current	0.25~1.2A
Typical efficiency	90%
Working temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 85°C
Ingress protection	IP65 compliant
Safety standard	UL8750
EMI	EN55015 Class B
Harmonic current	2, Class C



Typical Spectral Distribution



10W



20W/30W



50W/80W



150W

Product Specification

Model number	Power		Size OA (mm)			Luminous efficacy	HID Compatible		
	Rated	System	L	W	H		Metal halite	HPS	Halogen
FG3200-142W010	10.0W	10.5W	200	142	57	1000 lumen			
FG3215-152W020	20.0W	22.2W	215	152	40	2000 lumen	50W	50W	150W (S-end)
FG3220-167W030	30.0W	33.3W	220	167	40	3000 lumen	70W	70W	250W (S-end)
FG3310-220W050	50.0W	55.6W	310	220	50	5000 lumen	100W	100W	500W (L-PAR)
FG3355-245W080	80.0W	88.9W	355	245	55	8000 lumen	150W	150W	500W (S-PAR)
FG3403-295W100	100.0W	111.1W	403	295	60	10000 lumen	250W	200W	-
FG3430-330W150	150.0W	166.7W	430	330	60	15000 lumen	350W	310W	-