



Isolated LED driver suitable for class II LED luminaires.
 Category: flicker-free AC220-240V plastic case series.
 Product properties: sample structure, high price performance ratio.
 Application: commercial, residential and decorative lighting.
 Warranty: 3 years (please refer to the warranty condition).

Certifications:



	Full model number	LF-GIR009YS0500H	LF-GIR009YS0600H	LF-GIR009YS0700H
Output	Output voltage	8-11VDC		
	Output current	500mA	600mA	700mA
	Ripple voltage	<1V		
	Current tolerance	±5%		
	Time to light	230Vac <0.5S		
	Temperature drift	±10%		
	Line regulation	±5%		
Input	Line regulation	±5%		
	Rated input voltage	220-240 Vac (Max input voltage: 180-264Vac)		
	Frequency	47Hz-63Hz		
	Input current	0.1A Max		
	Power factor	≥0.5/230Vac	≥0.5/230Vac	≥0.5/230Vac
	THD	/	/	/
	Efficiency	≥76%/230Vac	≥76%/230Vac	≥76%/230Vac
	In-rush current (peak /duration)	I<60A/350uS@230Vac		
Typ. power input on stand-by	Pin<1W			
Protective features	No-load	Max. output voltage (no-load voltage) 35V		
	Short-circuit	Hiccup mode (auto-recovery)		
Environment condition	Working temperature	-30°C - +50°C		
	Working humidity	20-90%RH (no condensation)		
	Storage temperature/humidity	-40°C ~ +80°C (6 months under the class I environment); 10-90%RH (no condensation)		
	Atmospheric pressure	86-106KPa		
Safety and norms	Certifications	TUV, RCM, CE, CCC		
	Hi-pot test	I/P-O/P: 3.75KVac, <5mA, 60S		
	Insulation resistance	I/P-O/P: 500VDC, >100MΩ		
	Surge level	Comply with IEC61000-4-5(L/N: 1KV)		
	EMI	Comply with EN55015, EN61000-3-2.		
	EMS	Comply with EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547.		
Others	Packing (weight)	Net weight:50g±5%/pc;160pcs/carton; 8KG±5%/carton. Carton size:39x29 x21cm		
	IP level	IP20		
	Warranty condition	3 years (Max. case temperature must not exceed 65°C).		
Testing equipments	AC power source: CHROMA6530, digital power meter: CHROMA66202, Oscilloscope: Tektronix DPO3014, DC electronic load: M9712B, LED board, constant temperature and humidity chamber, lightning surge generator: Everfine EMS61000-5B, rapid group pulse generator: Everfine EMS61000-4A, spectroanalyzer: KH3935, hi-pot tester: TH9201B, flicker-free tester (flicker-free coefficient tester) 60N-01, etc.			
Test conditions	The parameters above including the power factor, THD, efficiency are all tested under the ambient temperature 25 °C and humidity 50%, AC input 230V and 90% DC load.			
Additional Remark	1. In the power supply circuit, it is recommended that the customer should install an over-under-voltage protection and surge protection device to ensure the safety of using electricity. 2. The PC cover, shell, end caps used together with the LED driver inside the LED lamp must meet the UL94V-0 fire rating level or above. 3. As a part of the LED lamp, the LED driver is not the only factor determining the EMC performance of the LED lamp. And the EMC performance is also related to the LED lamp's structure and the wire routing. Thus we strongly recommend the manufacturer of the finished LED lamp must re-confirm the EMC of the LED lamps.			

The curve below illustrates the driver's lifetime data when the LED driver's Max. case temperature reaches 40°C, 50°C, 60°C, 70°C and 80°C.

