

Product Description

LF-GIR009YS is a 9W constant current isolated LED driver. It has features of flicker free, low PF and small size, suitable for spot light, down light and etc.

Features

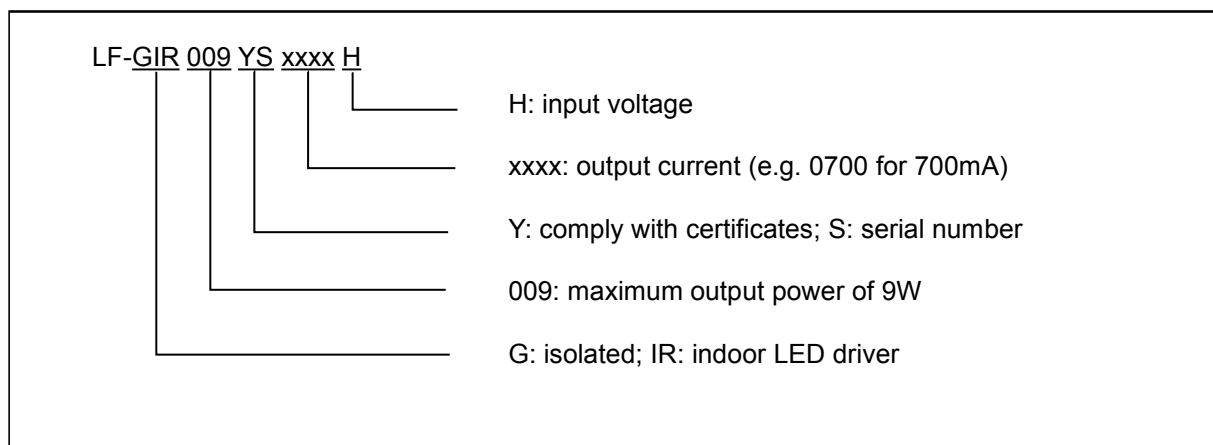
- Suitable for Class II light fixtures
- High cost performance
- Flicker free
- 5-year warranty (Please refer to the warranty condition.)



Applications

- Indoor office lighting
- Decorative lighting
- Commercial lighting

Product Naming



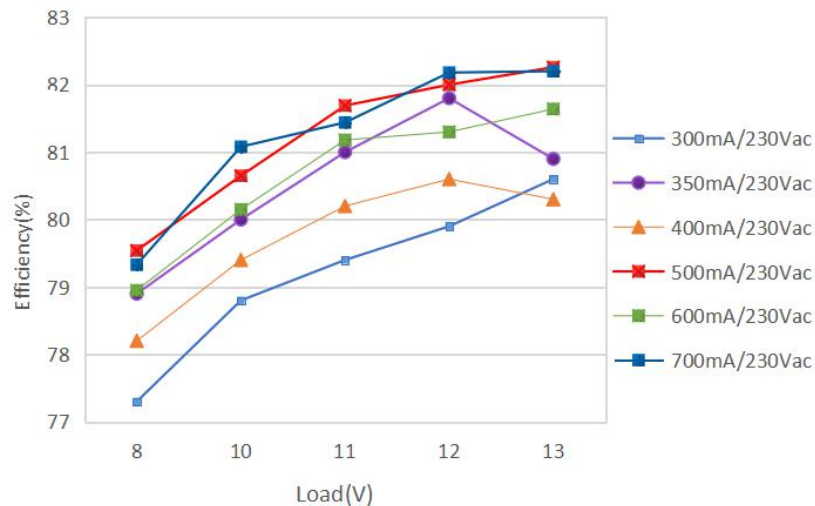
Electrical Characteristics

Model		LF-GIR009YSxxxxH					
Output	Output Voltage	10-13V					
	Output Current	300mA	350mA	400mA	500mA	600mA	700mA
	Flicker Index	Modulation Depth<0.5%; IEC-Pst≤1; CIE SVM≤0.4					
	Current Tolerance	±7%					
	Temperature Drift	±10%					
	Start-up Time	<0.5S					
Input	Input Voltage	100-240Vac (voltage limit: 100-264Vac)					
	Input Frequency	47Hz-63Hz					
	Input Current	0.2A Max.					
	Power Factor	≥0.4					
	Efficiency	≥78%	≥78%	≥78%	≥79%	≥79%	≥79%
	Inrush Current	≤40A & 100uS @220Vac					
	Load Quantity Carried by the Circuit Breaker	Circuit Breaker Model	B10	C10	B16	C16	
		Quantity (pcs)	21	35	35	56	
	Leakage Current	≤0.7mA					
	Standby Power Consumption	≤1W					
Protection Characteristics	Open Circuit Protection	<30V					
	Short Circuit Protection	Hiccup mode (auto-recovery)					
Environment Description	Working Temperature	-30℃~+50℃					
	Working Humidity	20-90%RH (no condensation)					
	Storage Temperature/Humidity	-40℃~+ 80℃ (six months under class I environment); 10-90%RH (no condensation)					
	Atmospheric Pressure	86KPa~106KPa					
Safety & Electromagnetic Compatibility	Certifications	/					
	Withstanding Voltage	I/P-O/P: 3.75KV, 5mA, 60S					
	Insulation Resistance	I/P-O/P: >100MΩ @ 500Vdc					
	Safety Standards	/					
	EMI	/					

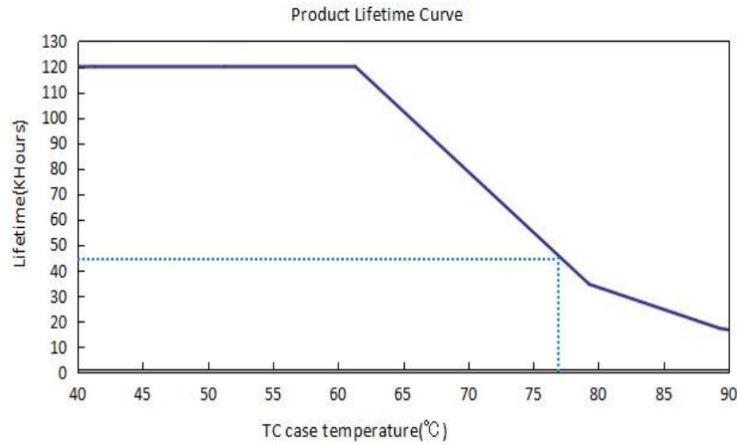
	EMS	CCC: GB/T17626.2, 3, 4, 5 (lightning strike 1KV), 6, 11
Others	IP Rating	IP20
	RoHS	RoHS 2.0 (EU) 2015/863
	Warranty Condition	5 yrs (TC≤77℃)
Test Equipment	AC power source: CHROMA6530, digital power meter: CHROMA66202, Oscilloscope: Tektronix DPO3014, DC electronic load: M9712B, LED board, constant 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.	
Remarks	1. It is recommended that customer should install overvoltage and undervoltage protection devices and surge protection devices in the power supply circuits of the light fixtures to ensure safety before connecting to electricity. 2. The test conditions of the circuit breaker configuration quantity are the same as those of the inrush current test. 3. Unless otherwise stated, the parameters above are test results under these conditions: ambient temperature 25℃, humidity 50%, 100% load, and input voltage 220Vac/50HZ.	

Product Characteristic Curves

■ Efficiency Curve



■ Lifetime Curve



Definition of Terminals

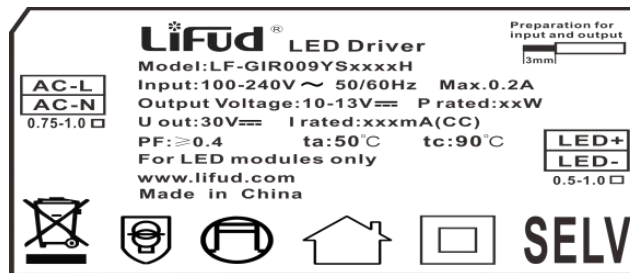
INPUT

AC-L	Input terminal of AC live wire
AC-N	Input terminal of AC neutral wire

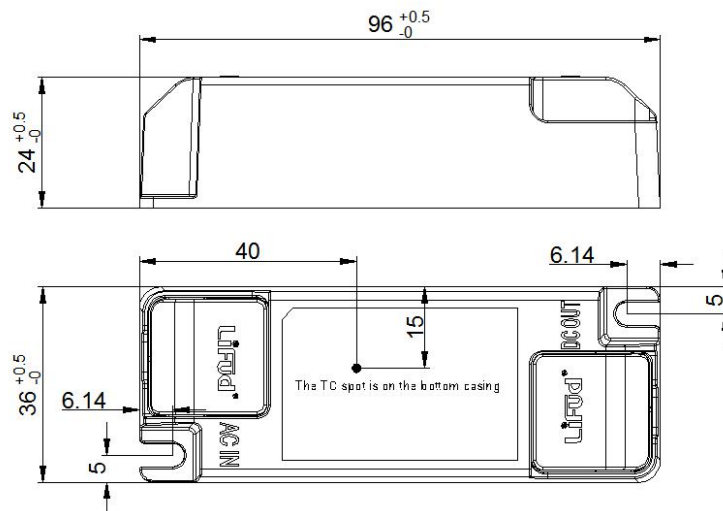
OUTPUT

LED+	Positive electrode output of the driver
LED-	Negative electrode output of the driver

Label



Dimensions (unit: mm)



Packaging Specifications

Model	LF-GIR009YSxxxxH
Packaging Dimensions	385*285*210 mm (L*W*H)
Quantities	20 pcs/layer; 8 layers/ctn; 160 pcs/ctn
Weights	42 g/pc; 8.5 kg/ctn

Transportation & Storage

■ Transportation

- Suitable transportation means: vehicles, boats and aircraft.
- During transportation, there should be awnings for rain protection and sun protection. Civilized loading and unloading are required. There should be no severe vibration or impact.

■ Storage

- Storage in accordance with the provisions of Class I environment. For products which have been stored for more than six months, they mustn't be used until they pass the re-inspection.

Attention

- Please use this product according to its specifications otherwise there may be malfunction.
- Use light fixtures that have not been certified or are not compatible with the LED drivers may cause fire or other hazards.
- Man-made damage, any use beyond the specification and non-original-factory modification are not covered by warranty.

Remark: The final interpretation right of the contents of this data sheet belongs to Lifud Technology Co., Ltd.