

Product Description

LF-GIF040YAll is a 40W EU-Standard panel light LED driver. Its input voltage ranges from 220 to 240Vac and output current from 850 to 1000mA. It has features of flicker-free effect and external installation. It is suitable for Class II light fixtures.

Features

- Suitable for Class II light fixtures
- AC220-240Vac; flicker-free effect
- High cost performance; high efficiency; low THD
- 5-year warranty (please refer to the warranty condition.)

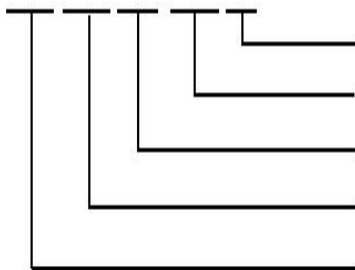


Applications

- Commercial lighting
- Indoor office lighting
- Decorative lighting
- Residential lighting

Product Naming

LF - GIF 040 YAll xxxx H



H: high voltage input

xxxx: output current (e.g. 1000: 1000mA)

Y: certified; A: serial number; (H): high voltage output: 35-42V; II: the 2rd gen.

040: maximum output power: 40W

G: isolated design; IF: indoor flicker-free series

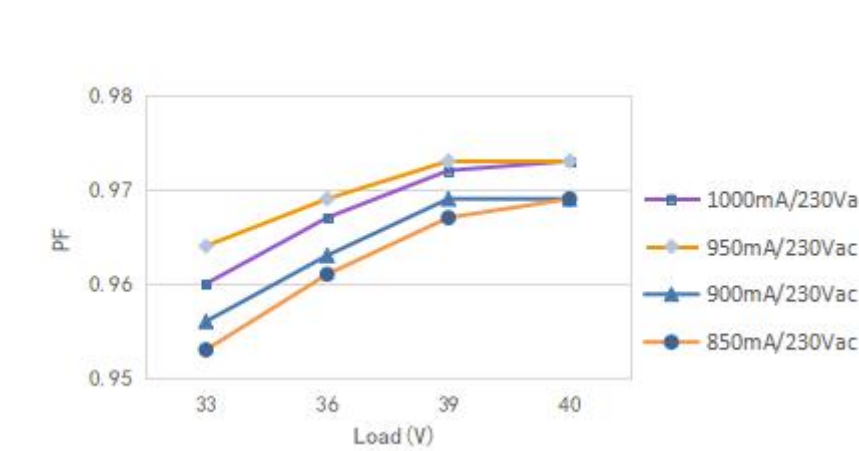
Electrical Characteristics

Model		LF-GIF040YAI					LF-GIF040YAI(H)			LF-GIF040YAI(D)	
Output	Output Voltage	33-40Vdc					33-38Vdc	35-42Vdc			33-40Vdc
	Output Current	850mA	900mA	950mA	1000mA	1050mA	900mA	950mA	1000mA	1050mA	
	Flicker (Modulation Depth)	<0.5%									
	Current Tolerance	±5%									
	Temperature Drift	±10%									
	Start-up Time	<0.5S@230Vac									
Input	Input Voltage	220-240Vac (voltage limit: 200-264Vac)									
	DC Input Voltage	200-264Vdc									
	Input Frequency	47Hz-63Hz									
	Input Current	0.3A max.									
	PF	≥0.95@230Vac									
	THD	≤15%@230Vac									
	Efficiency	≥90%@230Vac									
	Inrush Current	≤60A & 350uS@230Vac (remark: round to tens digit after the actual measured peak value (A) or half-peak value (T) reaches the maximum one of 1.2 times)									
	Load Quantity Carried by the Circuit Breaker	Circuit Breaker Model	B10		C10		B16		C16		
		Quantity (pcs)	23		38		37		62		
	Leakage Current	≤0.7mA									
Standby Power Consumption	/										
Protection Characteristics	Open Circuit Protection	<55V									
	Short Circuit Protection	Hiccup mode (auto-recovery)									
Environment Descriptions	Operating Temperature	-30℃~+45℃					-30℃~+40℃				
	Operating Humidity	20-90%RH (no condensation)									
	Storage Temperature/Humidity	-50℃~+ 85℃ (six months under class I environment);									
		10-95%RH (no condensation)									
Atmospheric Pressure	86kPa~106kPa										

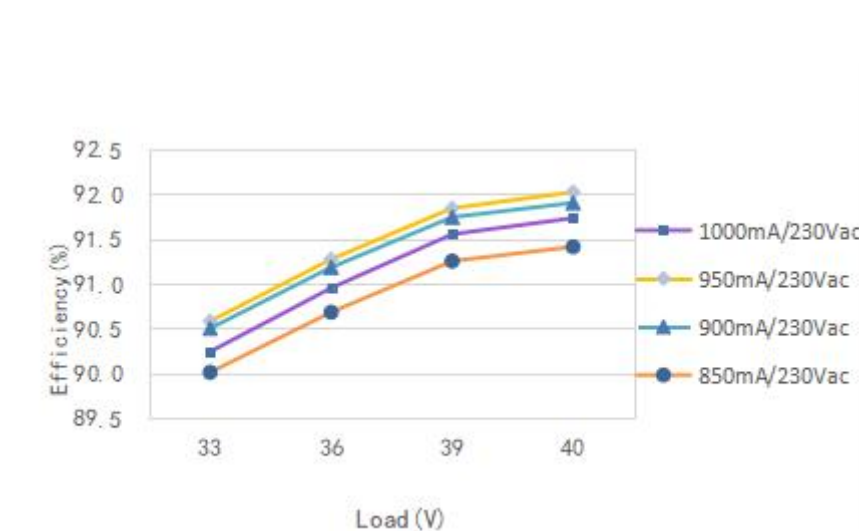
Safety & Electromagnetic Compatibility	Certifications	ENEC, CE, CB, RCM, CCC
	Withstanding Voltage	I/P-O/P: 3.75kVac 5mA 60S
	Insulation Resistance	I/P-O/P: >100MΩ@500Vdc
	Safety Standards	ENEC: EN61347-1: 2015, EN 61347-2-13: 2014/A1: 2017, EN 62384: 2016/A1: 2009 CE-LVD: EN 61347-2-13: 2014/A1: 2017, EN 61347-1: 2015, EN 62493: 2015 CB: IEC 61347-1: 2015, IEC61347-2-3: 2014, IEC 61347-2-13: 2014/AMD1: 2016 CCC: GB19510.1-2009, GB19510.14-2009
	EMI	CE-EMC/RCM: EN55015, EN61000-3-2, EN61000-3-3 CCC: GB/T17743, GB17625.1, GB17625.2
	EMS	CE-EMC/RCM: EN61000-4-2, 3, 4, 5 (lightning strike: 1kV), 6, 11 CCC: GB/T17626.2, 3, 4, 5 (lightning strike: 1kV), 6, 11
Others	IP Rating	/
	RoHS	RoHS 2.0 (EU) 2015/863
	Warranty Condition	5 years (Tc ≤82°C)
Remarks	<ol style="list-style-type: none"> 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. As an accessory, the LED driver is not the only factor determining the EMC performance of the LED light fixture. The structure and the wiring of the light fixture are also relevant. Thus it's strongly recommended the LED light fixture manufacturer should re-confirm the EMC of the whole LED light fixture. 3. The test conditions of the circuit breaker configuration quantity are the same as those of the inrush current test. 4. Unless otherwise stated, the parameters above are test results under these conditions: ambient temperature 25°C, humidity 50%, input voltage 230Vac/50Hz and 100% load. 	

Characteristic Curves

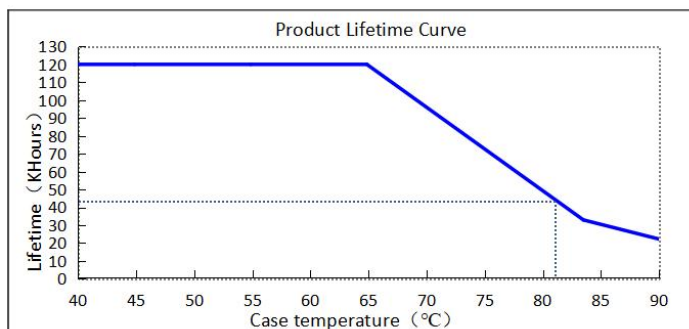
■ PF Curve



■ Efficiency Curve



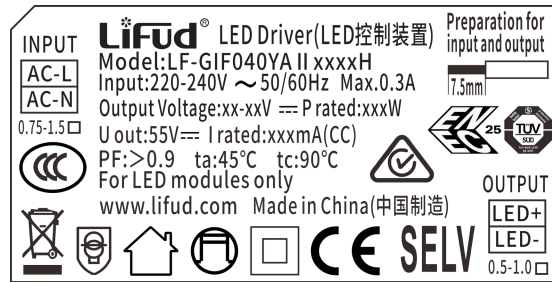
■ Lifetime Curve



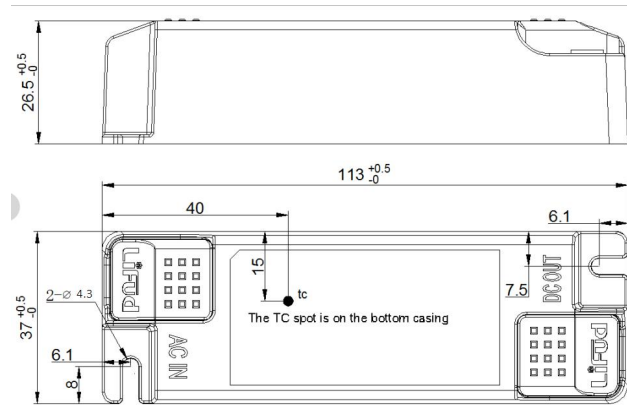
Definitions of Product Terminals

INPUT		OUTPUT	
AC-L	Input terminal of AC live wire	LED+	Positive electrode output of the driver
AC-N	Input terminal of AC neutral wire	LED-	Negative electrode output of the driver

Label



Structure & Dimensions (unit: mm)



Packaging Specifications

Model	LF-GIF040YAIxxxxH
Packaging Dimensions	385*285*210 mm (L*W*H)
Quantities	14 pcs/layer; 7 layers/ctn; 98 pcs/ctn
Weights	0.081 kg/pc; 8.28 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.