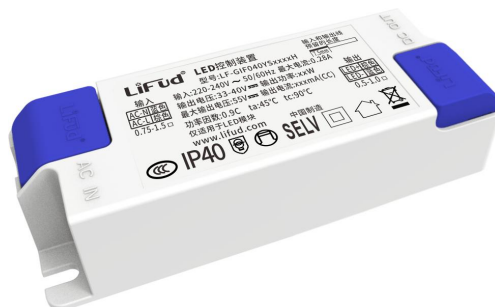


Features

- Flicker free
- High performance, low THD
- IP40
- 5-year warranty (please refer to the warranty condition)



Applications

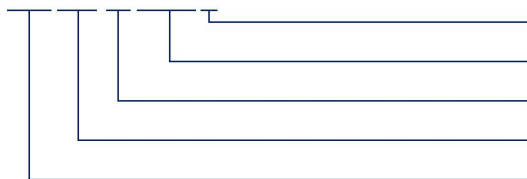
· Commercial lighting · indoor office lighting · decorative lighting · residential lighting

Descriptions

LF-GIF040YSxxxxH is a 42W (max.) isolated flicker-free LED driver. Its rated input voltage ranges from 220 to 240Vac and output voltage ranges from 33 to 40Vdc. Its output current ranges from 800-1050mA. It is suitable for Class II light fixtures.

Product Model

LF - GIF 040 YS xxxx H



- H: input voltage: 220-240Vac
- xxxx: output current (e.g. 1050: 1050mA)
- Y: complies with certifications; S: serial number
- 040: output power: 40W
- G: isolated design; IF: indoor flicker-free LED driver

Lifud Technology Co., Ltd.

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Electrical Characteristics

Model		LF-GIF040YSxxxxH					
Output	Output Voltage	33-40V					
	Output Current	800mA	850mA	900mA	950mA	1000mA	1050mA
	Flicker	Complies with IEEE 1789-2015 standard.					
	CIE SVM	≤0.4					
	IEC-Pst	≤1.0					
	Current Tolerance	± 5%					
	Temperature Drift	± 10%					
	Startup Time	<0.5S@230Vac					
Input	Input Voltage	220-240Vac (voltage limit: 198-264Vac)					
	Input Frequency	50/60Hz					
	Input Current	0.28A max.					
	PF	≥0.95					
	THD	≤20%					
	Efficiency	≥87%	≥87.5%			≥88%	
	Inrush Current	≤27A&154uS@230Vac					
	Loading Quantities of Circuit Breaker	Model	B10	C10	B16	C16	
		Quantity (pcs)	20	34	33	56	
	Leakage Current	≤0.7mA					
	Standby Power Consumption	≤0.5W					
Protections	Open Circuit	<55V					
	Short Circuit	Hiccup mode (auto-recovery)					
Environment Descriptions	Operating Temperature	-30℃ - +45℃					
	Operating Humidity	20-90%RH (no condensation)					
	Storage Temperature/ Humidity	-30℃ - 80℃ (6 months in Class I environment); 10-90%RH (no condensation)					
	Atmospheric Pressure	86-106kPa					
Safety & EMC	Certifications	CCC					
	Withstanding Voltage	I/P-O/P: 3.75kV&5mA&60S					
	Insulation Resistance	I/P-O/P: >100MΩ@500Vdc					
	Safety Standards	CCC:GB19510.1-2009, GB19510.14-2009					
	EMI	CCC:GB/T17743, GB17625.1, GB17625.2					
	EMS	CCC: GB/T17626.2, 3, 4, 5 (lightning strike 1kV), 6, 11					

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■ Electrical Characteristics

Other Parameters	IP Rating	IP40
	RoHS	RoHS 2.0 (EU) 2015/863
	Warranty	5 years (Tc ≤89℃)
Testing 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: EEC SE7440, flicker tester (flicker-free coefficient test) Everfine LFA-3000, etc.	
Remarks	<ol style="list-style-type: none"> 1. It is recommended that user install over voltage protection, under voltage protection and surge protection devices in the power supply circuits of light fixtures to ensure electricity safety. 2. The PC cover, casing and end cap for assembling the LED driver in the light fixture must meet the fire rating of UL94-V0 or above. 3. The LED driver used in combination with the end device is one of the accessories of the whole light fixture, and the EMC of the whole light fixture is not only susceptible to the driver itself, but to the LED light fixture and the whole light fixture's wiring. Thus, the manufacturer of LED light fixture should re-confirm the EMC of the whole light fixture before the whole light fixture is finished. 4. The test conditions of the circuit breaker configuration quantity are the same as those of the inrush current. 	

■ Remark

Specified model and supplier in the certification report are shown below:

Driver Input Wire	Shenzhen Chaojie Electronic Co., Ltd	60227IEC52(RVV)	2X1.0mm ² ,300/300V	2016010105917609
	Shanghai Chaofan Cable Co., Ltd.	60227IEC52(RVV)	2X1.0mm ² ,300/300V	2012010105583894
	Zhongshan Bo Yu Wire Co., Ltd.	60227IEC52(RVV)	2X1.0mm ² ,300/300V	2012010105537985
	Shenzhen Dongjiaxin wire & cable Co., Ltd.	60227IEC52(RVV)	2X1.0mm ² ,300/300V	2019010105162588
Driver Output Wire	Shenzhen Chaojie Electronic Co., Ltd	60227IEC52(RVV)	2X0.5mm ² ,300/300V	2016010105917609
	Shanghai Chaofan Cable Co., Ltd.	60227IEC52(RVV)	2X0.5mm ² ,300/300V	2012010105583894
	Zhongshan Bo Yu Wire Co., Ltd.	60227IEC52(RVV)	2X0.5mm ² ,300/300V	2012010105537985
	Shenzhen Dongjiaxin wire & cable Co., Ltd.	60227IEC52(RVV)	2X0.5mm ² ,300/300V	2019010105162588

LiFud Technology Co., Ltd.

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■ Remark


Specified rubber ring in the certification report is shown below:

Recommended Supplier:

Dongguan Long Ran Plastic Electronics Co., Ltd.

Tel: 0769-81826485

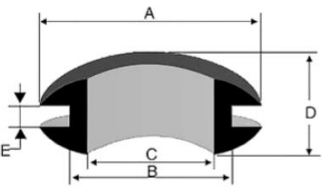
Address: 2nd Floor, Building 2, Xinyi Industrial Park, Lixin Jiutou Village, Dongcheng District, Dongguan City, Guangdong Province, China



Dongguan Long Ran Plastic Electronics Co., Ltd

TEL: 0769-81826485 FAX: 0769-86019085

ADD: 2nd Floor, Building 2, Xinyi Industrial Park, Lixin Jiutou Village,
Dongcheng District, Dongguan City, Guangdong Province, China



Material: PVC, Complies with ROHS1.0
 Color: Black&White (Other colors to be ordered)
 Usage: Used for driver including outlets wire protection and fixation of control box or general driver with insulation to protect the driver wire, which is convenient for assembly and beautiful.

Bushings Specification <unit: mm> Tolerance: ±0.3mm

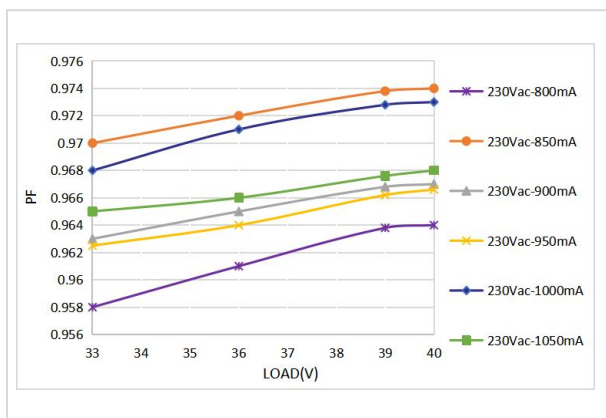
Item No.	A	B	C	D	E	Packing
LR-05	10.5	6.8	5	3.7	1.6	5000PCS

Precautions for installation:

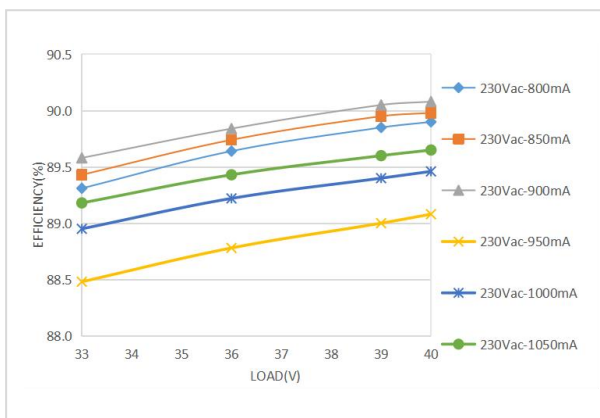
- (1) Before wire assembly, thread the wire into the rubber ring at the dust cover location;
- (2) Refer to the polarity of the wire welding as shown in the silkscreen, the input end is brown for L, blue for N; the output end is brown for LED+, blue for LED-;
- (3) After the wire is welded, the dust cover and the rubber ring are tightened to realize the IP40 rating.

■ Product Characteristic Curves

PF Curve



Efficiency Curve



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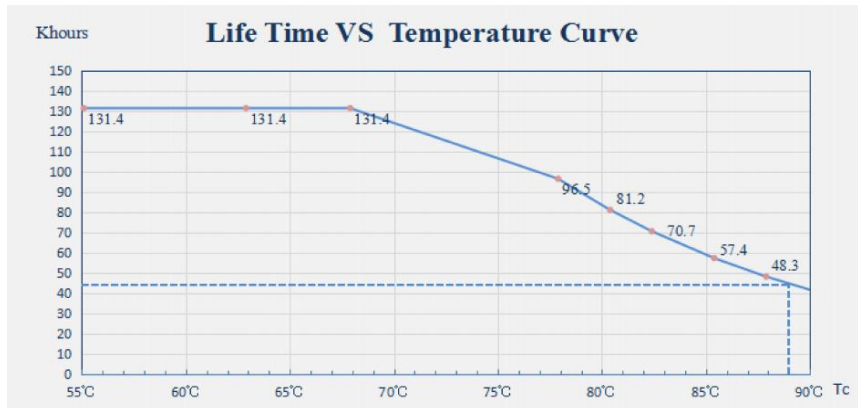
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■ Product Characteristic Curves

Lifetime Curve



Be based on 230Vac/40Vdc Expected Life Above 43.8Khour@ Tc=89.0°C

■ Product Definitions

Product Terminal

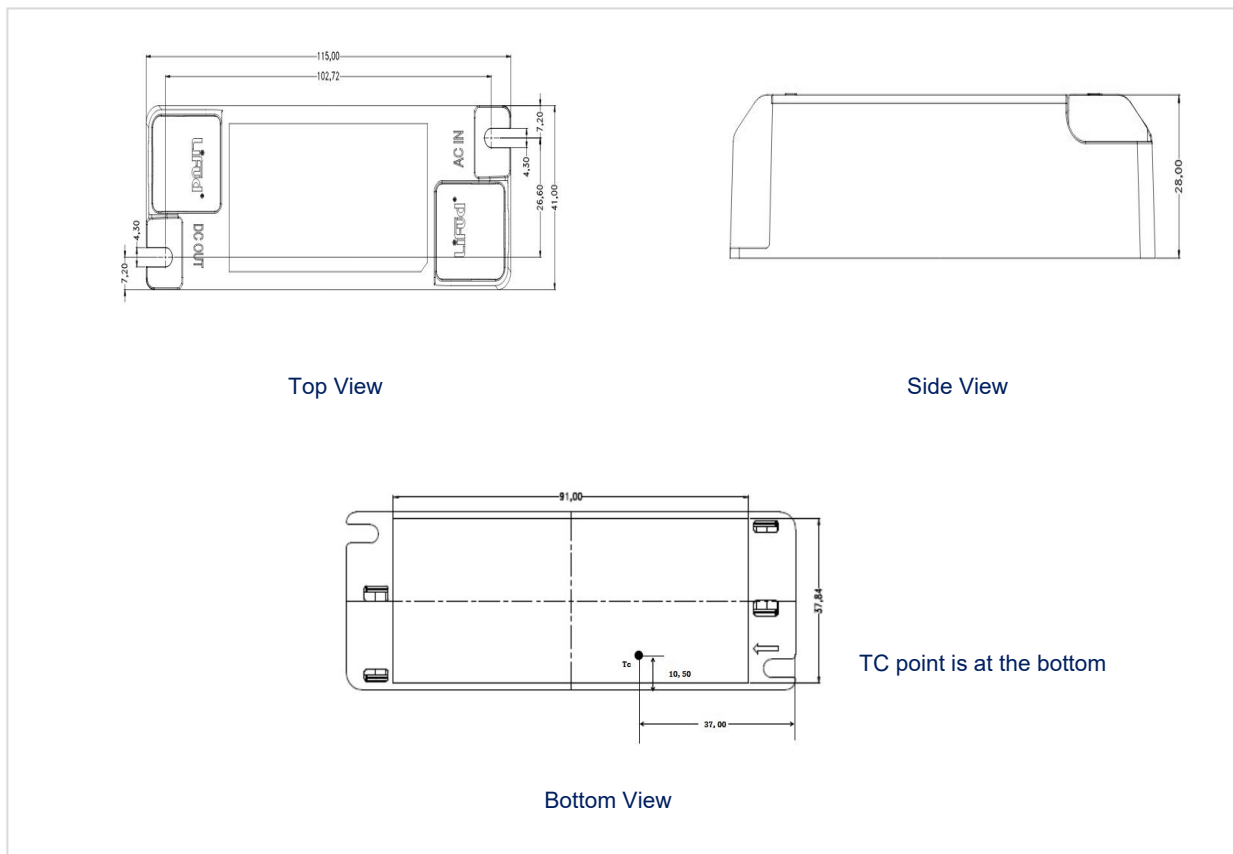
INPUT		OUTPUT	
AC-L (Grey Terminal)	Input terminal of AC live wire	LED+ (Red Terminal)	Positive electrode output of LED driver
AC-N (Grey Terminal)	Input terminal of AC neutral wire	LED- (Black Terminal)	Negative electrode output of LED driver

- **Label**



■ Structure & Dimensions (unit: mm)

Overall Appearance Dimension (L*W*H)	Center-to-center Spacing of Positioning Hole	Diameter of Positioning Hole
115*41*28 mm (±0.5mm)	102.72 mm (±0.2mm)	4.3 mm



■ Packaging Specifications

Model	LF-GIF040YSxxxxH
Carton Size	385*285*210mm (L*W*H)
Quantity	18 pcs/layer; 6 layers/ctn; 108 pcs/ctn
Weight	0.099±5% kg/pc; 11.0±5% kg/ctn

■ Transportation and Storage

1. Transportation

- Suitable transportation means: vehicles, boats and aeroplanes.
- In transit, it is necessary to prepare awnings for rain or sun protection. Moreover, please keep civilized loading and unloading to prevent the vibration or impact of LED driver as much as possible.

2. Storage

- The storage of LED driver shall conform to the standard of Class I environment. When using LED drivers which have been stored for more than 6 months, please re-test them firstly. Do not use them unless they are tested to be qualified.

Cautions

- Please use Lifud LED driver according to its parameters in the specification, otherwise the LED driver may malfunction.
- Using any incompatible light fixtures or those that have not been certified may cause fire, explosion or other risks.
- Man-made damage is beyond the scope of Lifud warranty service.

Remark: Lifud Technology Co., Ltd. reserves the right to interpret any contents of this specification.