Features

- Flicker free
- High PF & low THD
- 5-year warranty (please refer to the warranty condition)

Applications

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

Descriptions

LF-GIF040YS(H)xxxxH is an EU-Standard flicker-free LED driver with the maximum output power of 42W. Its rated input voltage ranges from 220 to 240Vac; output voltage ranges from 33 to 42Vdc and output current ranges from 800 to 1000mA. It is suitable for Class II light fixtures.

Product Model

LF - GIF 040 YS (H) xxxxH

- H: input high voltage
- xxxx: output current (e.g. 1000: 1000mA)
- YS(H): conforms to certifications; S: serial number; (H): output 42V
- 040: output power: 40W
- G: isolated design; IF: indoor flicker free series

Lifud Technology Co., Ltd.
Production Base I (HQ): Building B, Kutto Industrial Park, No.26, Xinhe Road, Bao'an District, Shenzhen City, China.
Production Base II: No.4, Block 2, Tengfei Road, Shigao Economic Development Area, Meishan City, Sichuan, China.
Website: www.lifud.com Telephone: +86(0)755 8373 9299 Email: sales@lifud.com

■ Electrical Characteristics

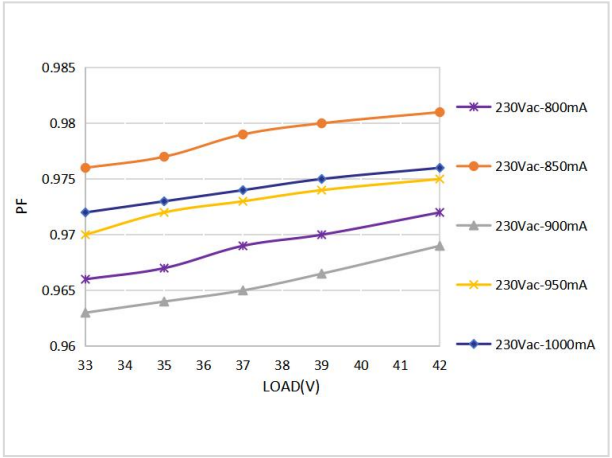
Model		LF-GIF040YS(H)xxxxH				
Output	Output Voltage	33-42Vdc				
	Output Current	800mA	850mA	900mA	950mA	1000mA
	Flicker	Conforms to IEEE 1789 standard.				
	CIE SVM	≤0.4				
	IEC-Pst	≤1.0				
	Current Tolerance	±5%				
	Temperature Drift	±10%				
	Startup Time	<0.5S@230Vac				
Input	Input Voltage	220-240Vac (voltage limit: 198-264Vac)				
	Input Frequency	50/60Hz				
	Input Current	0.28A max.				
	PF	≥0.95				
	THD	≤20%				
	Efficiency	≥87.5%	≥87.5%	≥87.5%	≥88%	≥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 (without condensation)				
	Storage Temperature/ Humidity	-30℃ - 80℃ (6 months in Class I environment); 10-90%RH (without condensation)				
	Atmospheric Pressure	86-106kPa				
Safety and EMC	Certifications	CB ENEC CE RCM CCC SAA UKCA				
	Withstanding Voltage	I/P-O/P: 3.75kV 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 UKCA-LVD：EN 61347-1:2015/A1:2021，EN 61347-2-13:2014/A1:2017，EN 62493:2015 CCC:GB19510.1-2009，GB19510.14-2009 SAA:AS 61347.2-13:2018				
	EMI	CE-EMC/RCM:EN55015，EN61000-3-2，EN61000-3-3 UKCA-EMC：EN IEC 55015:2019/A11:2020，EN 61547:2009，EN IEC 61000-3-2:2019/A1:2021 ，EN 61000-3-3:2013/A2:2021 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				

■ Electrical Characteristics

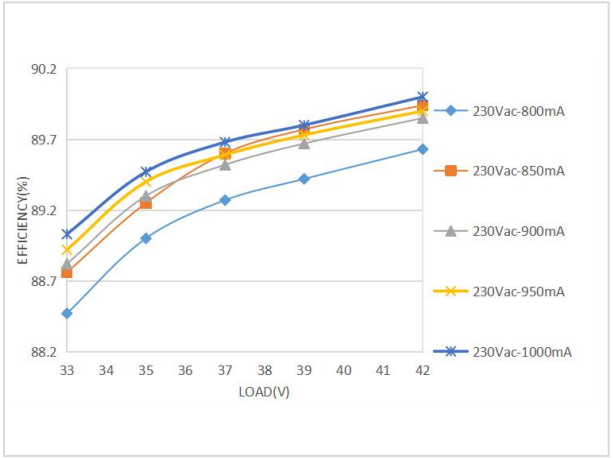
Other Parameters	IP Rating	IP20
	RoHS	RoHS 2.0 (EU) 2015/863
	Warranty	5 years (Tc ≤89℃)
Testing Equipment	AC power source: CHROMA6530, digital power meter: CHROMA66202, oscilloscope: Tektronix DPO3014, DC electronic load: M9712B, LED board, constant temperature and humidity chamber, lightning surge generator: Everfine EMS61000-5B, rapid group pulse generator: Everfine EMS61000-4A, spectroanalyzer: KH3935, withstanding voltage tester: EEC SE7440, flicker tester (flicker-free coefficient test) Everfine LFA-3000, etc.	
Remarks	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. 5. The above parameters are tested at the ambient temperature of 25℃, humidity of 50%, full load, input voltage of 230Vac/50Hz without any special remarks.	

■ Product Characteristic Curves

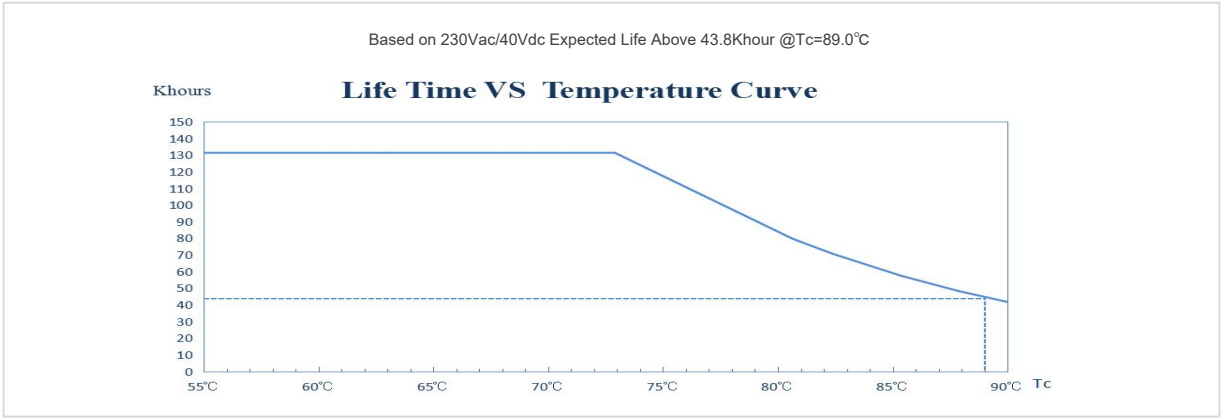
PF Curve



Efficiency Curve



Lifetime Curve

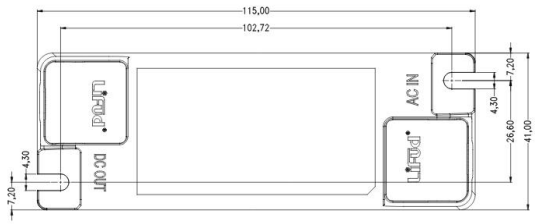


■ Definitions of Product Terminals

INPUT		OUTPUT	
AC-N (grey terminal)	Input terminal of AC neutral wire	LED+ (red terminal)	Positive electrode output of LED driver
AC-L (grey terminal)	Input terminal of AC live wire	LED- (black terminal)	Negative electrode output of LED driver

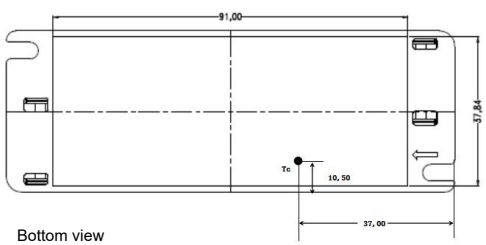
■ Structures and Dimensions

Model	Overall Appearance Dimension (L*W*H)	Distance Between 2 Positioning Holes	Diameter of Positioning Hole
LF-GIF040YS(H)xxxxH	115*41*28mm	102.72mm	4.3mm



Top view

Side view



Bottom view

Tc point is at the bottom of LED driver

Lifud Technology Co., Ltd.
Production Base I (HQ): Building B, Kutto Industrial Park, No.26, Xinhe Road, Bao'an District, Shenzhen City, China.
Production Base II: No.4, Block 2, Tengfei Road, Shigao Economic Development Area, Meishan City, Sichuan, China.
Website: www.lifud.com Telephone: +86(0)755 8373 9299 Email: sales@lifud.com

■ Packaging Specifications

Model	LF-GIF040YS(H)xxxxH
Carton Size	385*285*210mm (L×W×H)
Quantity	18 pcs/layer; 6 layers/ctn; 108 pcs/ctn
Weight	0.099 kg±5%/pc; 10.6 kg±5%/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 Tecnology Co., Ltd. reserves the right to interpret any contents of this specification.

Lifud Technology Co., Ltd.
Production Base I (HQ): Building B, Kutto Industrial Park, No.26, Xinhe Road, Bao'an District, Shenzhen City, China.
Production Base II: No.4, Block 2, Tengfei Road, Shigao Economic Development Area, Meishan City, Sichuan, China.
Website: www.lifud.com Telephone: +86(0)755 8373 9299 Email: sales@lifud.com