Product Description

LF-GMR060YSII is a flicker free LED driver with metal casing. Rated input voltage: 220-240Vac; maximum output power: 65. 1W; output voltage: 33-42Vdc; output current: 1100- 1550mA. It has features of high efficiency and excellent flicker free effect, suitable for linear light, tri-proof light and etc.

Features

- Suitable for Class I light fixtures
- Flicker free
- High performance, high efficiency, low THD
- 5-year warranty (Please refer to the warranty condition.)



Applications

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

Product Naming

LF-GMR 060 YS II xxxx H

- H: input voltage of 220-240Vac
- xxxx: output current (e.g. 1550 for 1550mA)
- II: Gen. II
- Y: conforms to certifications; S: a serial number
- 060: output power of 60W
- G: isolated design; MR: linear LED driver

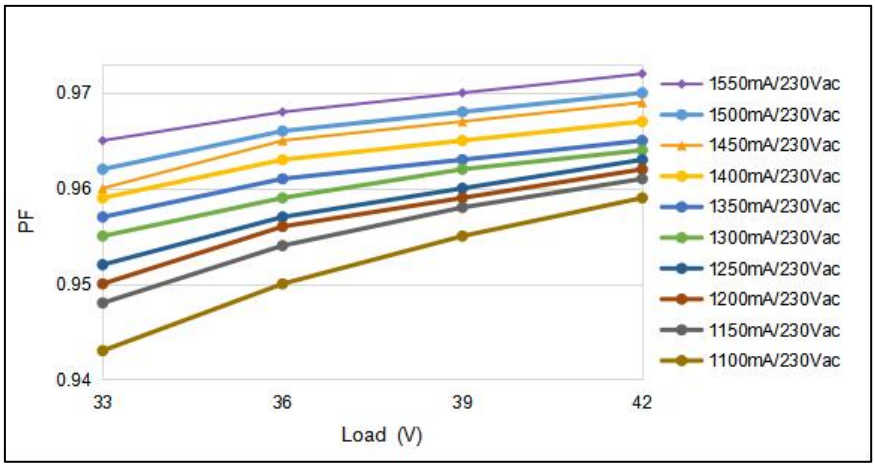
Electrical Characteristic

<table>
<tr><td colspan="2">Model</td><td colspan="10">LF-GMR060YSIIxxxxH</td></tr>
<tr><td rowspan="5">Output</td><td>Output Voltage</td><td colspan="10">33-42V</td></tr>
<tr><td>Output Current</td><td>1100 mA</td><td>1150 mA</td><td>1200 mA</td><td>1250 mA</td><td>1300 mA</td><td>1350 mA</td><td>1400 mA</td><td>1450 mA</td><td>1500 mA</td><td>1550 mA</td></tr>
<tr><td>Flicker Index</td><td colspan="10">IEC-Pst≤1; CIE SVM≤0.4; Modulation Depth<0.5% (IEEE 1789)</td></tr>
<tr><td>Current Tolerance</td><td colspan="10">±5%</td></tr>
<tr><td>Temperature Drift</td><td colspan="10">±10%</td></tr>
<tr><td></td><td>Start-up Time</td><td colspan="10"><0.5S @230Vac</td></tr>
<tr><td rowspan="10">Input</td><td>Input Voltage</td><td colspan="10">200-264Vac (Rated voltage: 220-240Vac)</td></tr>
<tr><td>DC Input Voltage</td><td colspan="10">200-280Vdc</td></tr>
<tr><td>Input Frequency</td><td colspan="10">47Hz-63Hz</td></tr>
<tr><td>Input Current</td><td colspan="10">0.4A max.</td></tr>
<tr><td>Power Factor</td><td colspan="10">≥0.94@230Vac</td></tr>
<tr><td>THD</td><td colspan="10">≤20%</td></tr>
<tr><td>Efficiency</td><td colspan="10">≥90%</td></tr>
<tr><td>In-rush Current</td><td colspan="10">≤58A & 163uS @230Vac</td></tr>
<tr><td rowspan="2">Load Quantity Carried by the Circuit Breaker</td><td>Circuit Breaker Model</td><td colspan="3">B10</td><td colspan="3">C10</td><td colspan="2">B16</td><td>C16</td></tr>
<tr><td>Quantity (pcs)</td><td colspan="3">9</td><td colspan="3">15</td><td colspan="2">15</td><td>25</td></tr>
<tr><td>Leakage Current</td><td colspan="10">≤0.7mA</td></tr>
<tr><td>Standby Power Consumption</td><td colspan="10">≤0.5W</td></tr>
<tr><td rowspan="2">Protection</td><td>Open Circuit Protection</td><td colspan="10"><55V</td></tr>
<tr><td>Short Circuit Protection</td><td colspan="10">Hiccup mode (auto-recovery)</td></tr>
<tr><td rowspan="4">Environment Description</td><td>Operating Temperature</td><td colspan="10">-30℃~+50℃</td></tr>
<tr><td>Operating Humidity</td><td colspan="10">20-90%RH (no condensation)</td></tr>
<tr><td>Storage Temperature/ Humidity</td><td colspan="10">-50℃~+ 85℃ (six months under class I environment);
10-95%RH (no condensation)</td></tr>
<tr><td>Atmospheric Pressure</td><td colspan="10">86KPa~106KPa</td></tr>
</table>

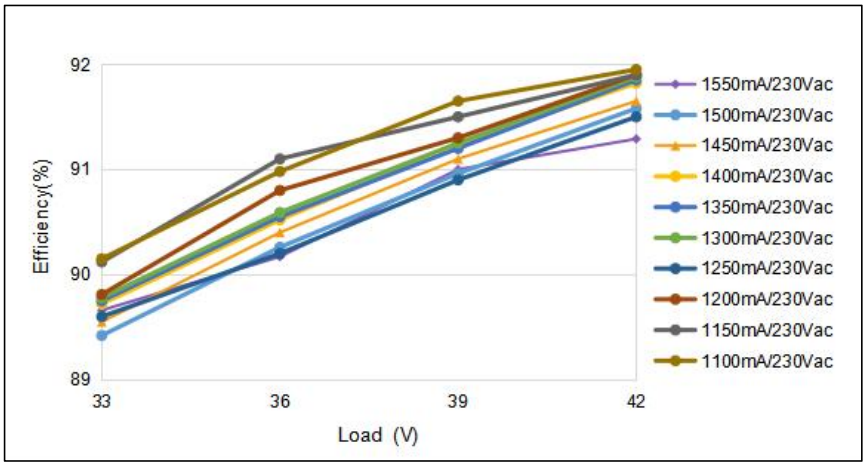
Safety and Electromagnetic Compatibility	Certification	TUV-ENEC, CB, CE, RCM, CCC, SAA
	Withstanding Voltage	I/P-O/P: 3.75kV&5mA&60S; I/P-PG: 1.5kV&5mA&60S
	Insulation Resistance	I/P-O/P: >100MΩ@500VDC
	Safety Standard	ENEC: EN61347-1:2015，EN 61347-2-13:2014/A1:2017，EN 62384：2016/A1:2009 CE-LVD: EN 61347-2-13:2014/A1:2017，EN 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: EN61000-4-2,3,4,5,6,11 (L-N: 1kV, L/N-PG:2kV) CCC: GB/T17626.2,3,4,5,6,11 (L-N:1kV, L/N-PG: 2kV)
Others	IP Rating	/
	RoHS	RoHS 2.0 (EU) 2015/863
	Warranty	5 yrs (Tc≤74℃)
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. 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 re-confirms 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 of the power factor, harmonic and efficiency were test results under the ambient temperature of 25℃, humidity of 50%, input voltage of 230Vac(50Hz) and full load.	

Characteristic Curve

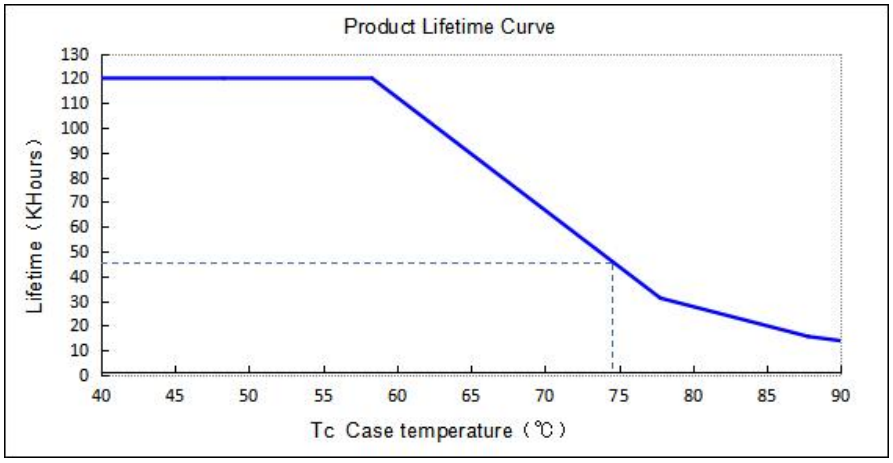
■ **PF Curve**



■ **Efficiency Curve**



■ **Lifetime Curve**



Definition of the Driver's Terminals

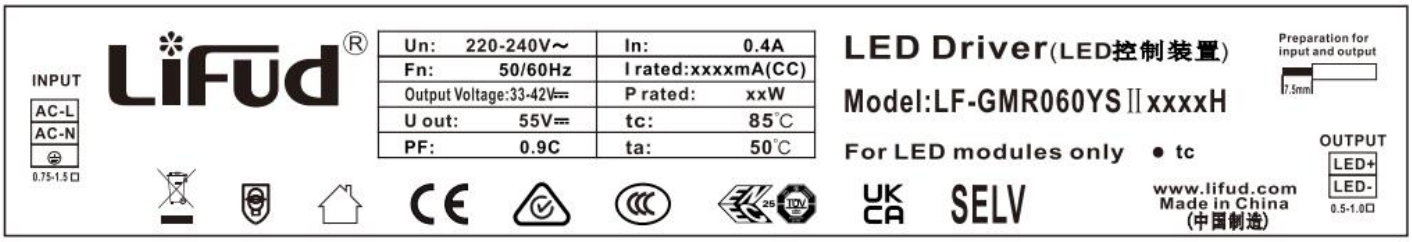
INPUT

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

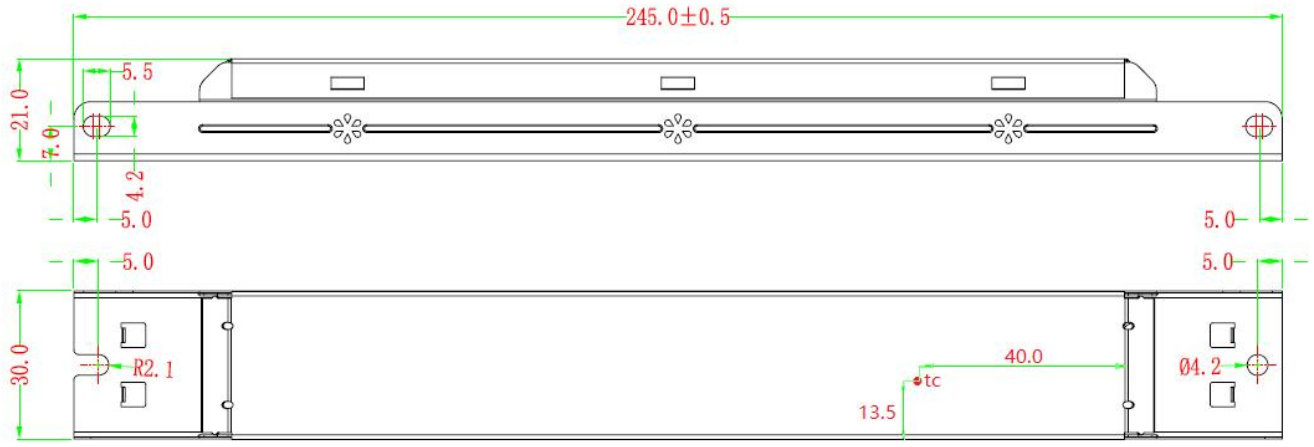
OUTPUT

LED+	The driver's positive electrode output
LED-	The driver's negative electrode output

Label



Structure&Dimensions (unit: mm)



Packaging Specifications

Model	LF-GMR060YSⅡxxxxH
Packaging Dimensions	385*285*210 mm (L*W*H)
Quantities	8 pcs/layer; 7 layers/ctn; 56 pcs/ctn
Weights	183.5g ±5%/pc; 11.04kg±5%/ctn

Transportation & Storage

1. Transportation

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.

2. Storage

Storage in accordance with the provisions of the 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

* Use this product according to the specifications, please. Otherwise there may be malfunction.
* Use the 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.