1. Product Description



Isolated LED Driver for Class II LED Luminaire

Category: AC220-240V, plastic case

Property: simple structure, cost effective

Application: indoor office lighting, decorative lighting, commercial lighting, and residential lighting

Warranty: 5 years (Please refer to the warranty condition.)

Certificate: TUV, CB, CE, RCM, CCC

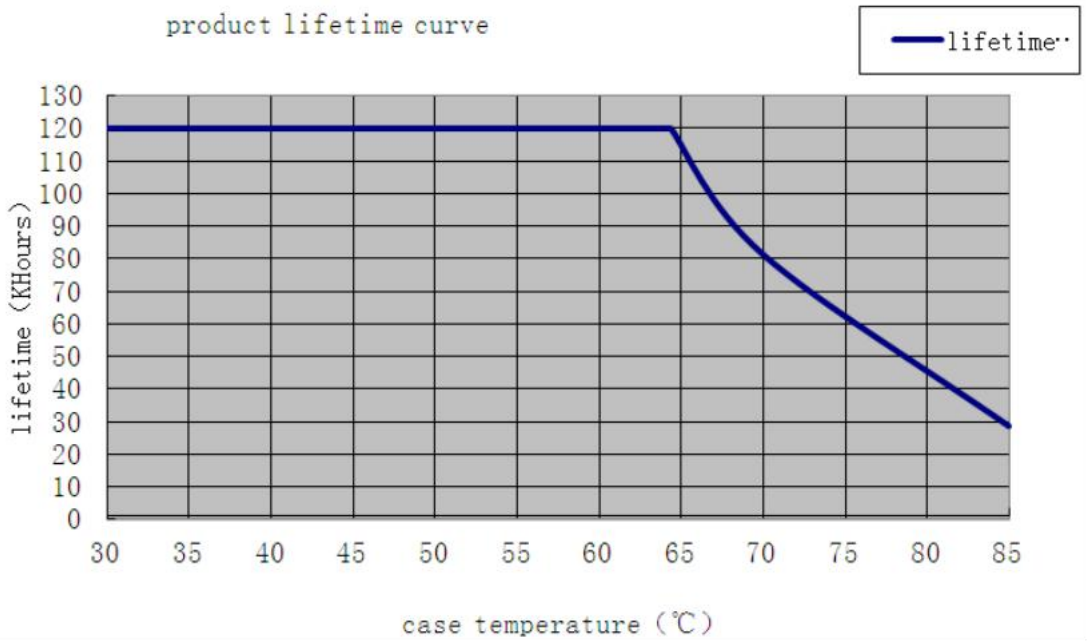
2. Technical Data

	Full Model Number	LF-GIR015YM0350H	LF-GIR015YM0300H	LF-GIR015YM0250H	LF-GIR015YM0200H	LF-GIR015YM0180H	LF-GIR015YM0110H
Output	Output Voltage	25-40Vdc					
	Output Current	350mA	300mA	250mA	200mA	180mA	110mA
	Ripple Voltage	< 4.0V					
	Current Tolerance	±5%					
	Time to Light	230Vac < 0.5S					
	Temperature Drift	±10%					
	Line Regulation	±5%					
Input	Line Regulation	±5%					
	Rated Input Voltage	220-240 Vac (Max input voltage: 180-264Vac)					
	Frequency	47Hz-63Hz					
	Input Current	0.10A Max	0.10A Max	0.10A Max	0.10A Max	0.10A Max	0.06A Max
	Power Factor	≥ 0.95 @ full load				> 0.9	≥ 0.84
	THD	≤ 18%					
	Efficiency	≥ 83%/230Vac					
	In-Rush Current (Peak / Duration)	I < 60A/350uS@230Vac					
	Typ. Power Input on Stand-By	Pin < 1W					
Protective Features	No-Load	Max. output voltage (no-load voltage) 55V					
	Short-Circuit	Hiccup mode (auto-recovery)					
Environment Condition	Working Temperature	-30℃ ~ +50℃					
	Working Humidity	20-90% RH (no condensation)					
	Storage Temperature/Humidi	-40℃ ~ +80℃ (6 months under the class I environment); 10-90% RH (no condensation)					
	Atmospheric Pressure	86-106KPa					
Safety and Norms	Certificate	TUV, CB, CE, RCM, CCC					
	Hi-pot Test	I/P-O/P: 3.75KVac, < 5mA, 60S					
	Insulation	I/P-O/P: 500VDC, >100MΩ					
	Surge Level	Comply with IEC61000-4-5 (L/N:1KV)					
	EMI	Comply with EN55015, EN61000-3-2					
	EMS	Comply with EN61000-4-2,3,4,5,6,8,11; EN61547					
Others	Packing (Weight)	Net weight: 58g±5%/pc; 160pcs/ctn; 9.28KG±5%/ctn; Carton size: 39 x 29 x 21 cm (L*W*H)					
	IP Level	IP20					
	Warranty Condition	5 years (Max. case temperature must not exceed 78℃)					

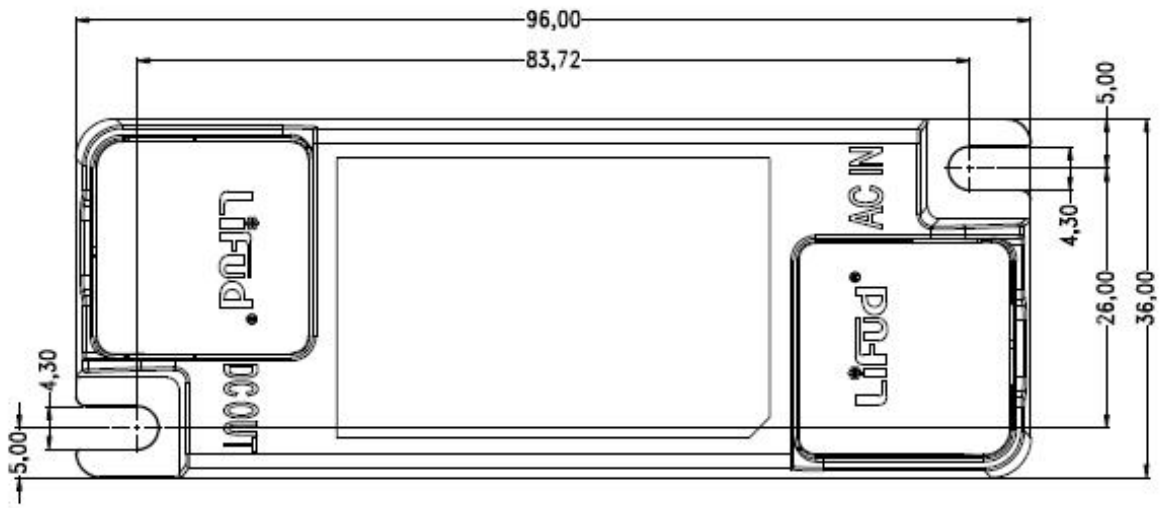
Testing Equipment	AC power source: CHROMA6530, digital power meter: CHROMA66202, Oscilloscope: Tektronix DPO3014, DC electronic load: M9712B, LED board, constant temperature and humidity chamber, lightning surge generator: Everfine EMS61000-5B, rapid group pulse generator: Everfine EMS61000-4A, spectroanalyzer: KH3935, hi-pot tester: TH9201B, flicker-free tester (flicker-free coefficient tester) 60N-01, etc.
Test Conditions	The parameters above including the power factor, THD, efficiency are all tested under the ambient temperature 25℃ and humidity 50%, AC input 230V and 90% DC load.
Additional Remarks	1. In the power supply circuit, it is recommended that the customer should install an over-under-voltage protection and surge protection device to ensure the safety of using electricity. 2. The PC cover, shell, end caps used together with the LED driver inside the LED lamp must meet the UL94V-0 fire rating level or above. 3. As an accessory, the LED driver is not the only factor determining the EMC performance of the LED light fixture. The structure and the wire routing of the light fixture are also relevant. Thus we strongly recommend the manufacturer of the finished LED light fixture re-confirm the EMC of the LED light fixture.

3. Product Referenced Lifetime Curve

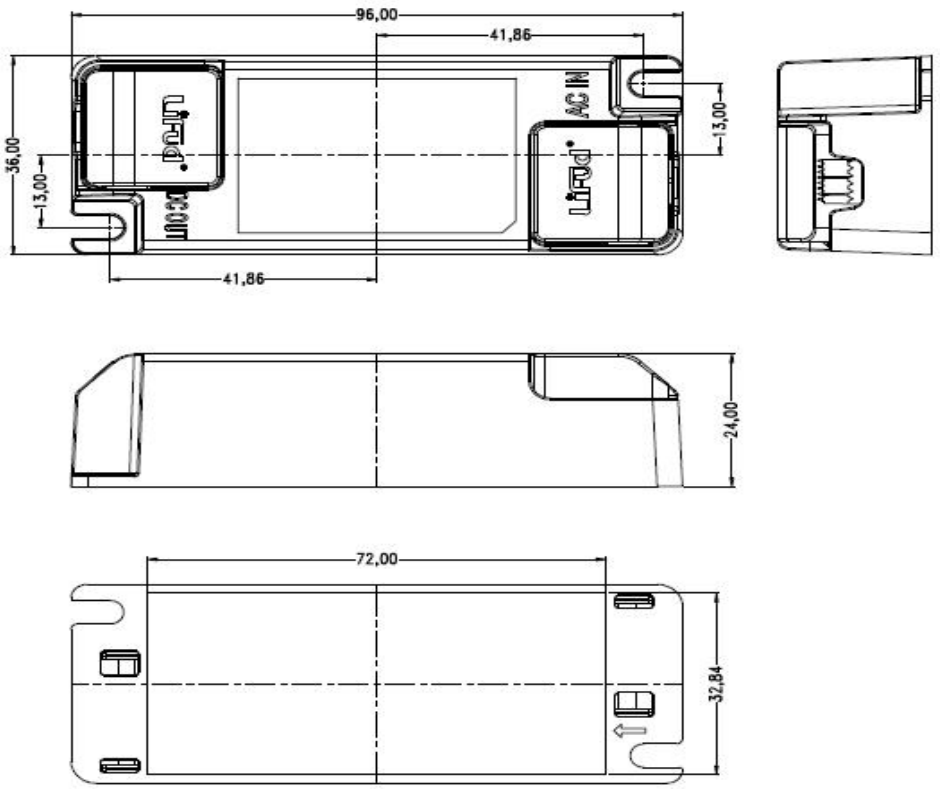
The curve below illustrates the driver's lifetime data when the LED driver's Max. case temperature reaches 40℃, 50℃, 60℃, 70℃, 80℃ and 90℃.



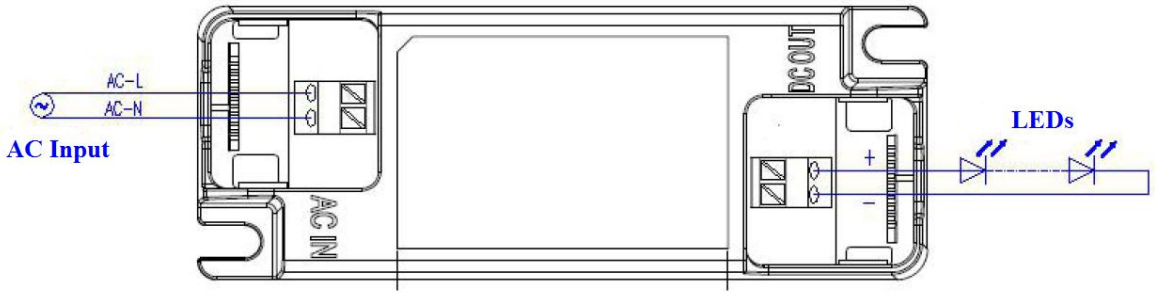
4. Dimensional Drawing (unit: mm, tolerance: ±0.5mm)



Model	LF-GIR015YM	**Series**	AC220-240V, Cost Effetive



5. Wiring Diagram:



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