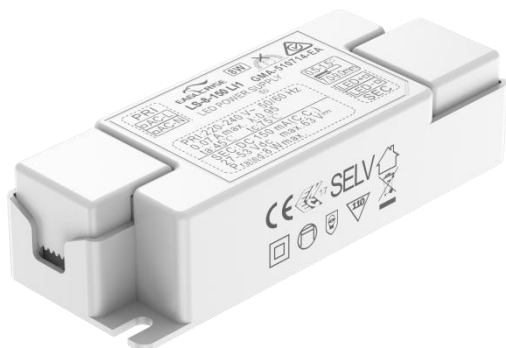


8W Constant Current power supply



■ Approve



Features

- Class II, SELV, independent
- Input Voltage 220-240VAC
- Protections: SCP/OLP/OVP
- Power Factor : 0.95
- Efficiency 78%
- 5 years warranty

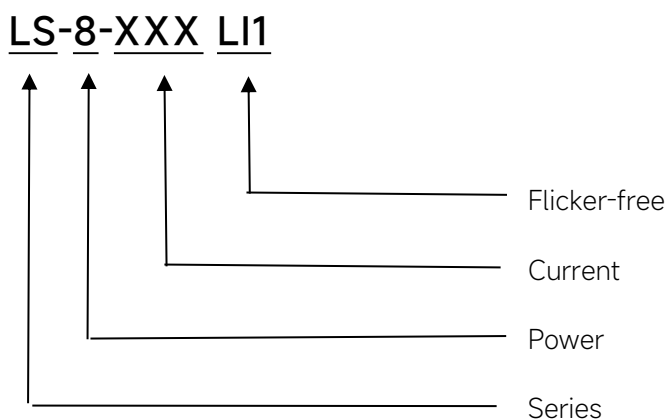
Applications

- LED panel, LED down light
LED spot light

◆ Description

LS-8-XXX LI1 is a 8W constant current LED driver that operates from 176-264Vac input with 120 to 350mA output current. With it's compact dimensions from 100 x 38 x 25mm it is easy to integrate in LED Panel, spot, down lights. To ensure trouble-free operation, protection is provided against output short circuit and over Load.

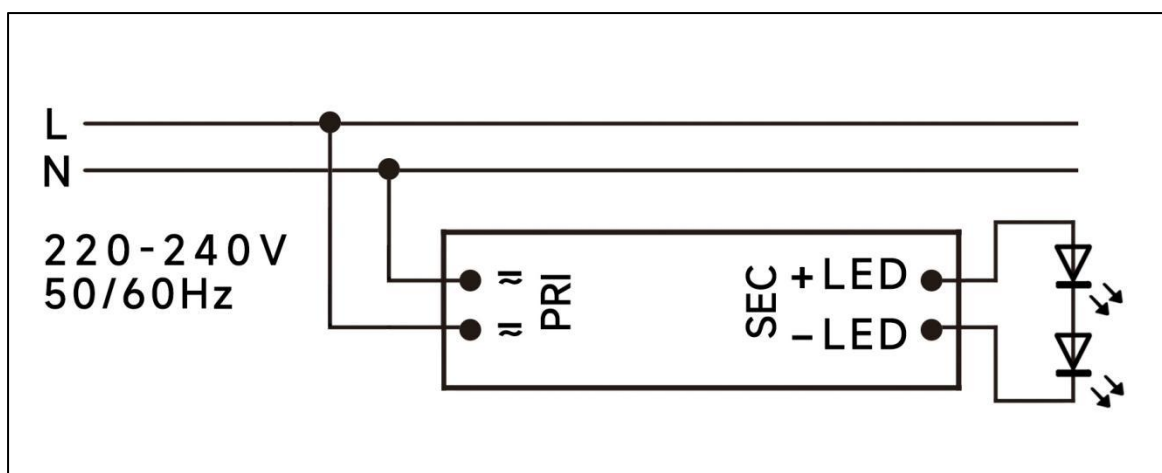
◆ Model code



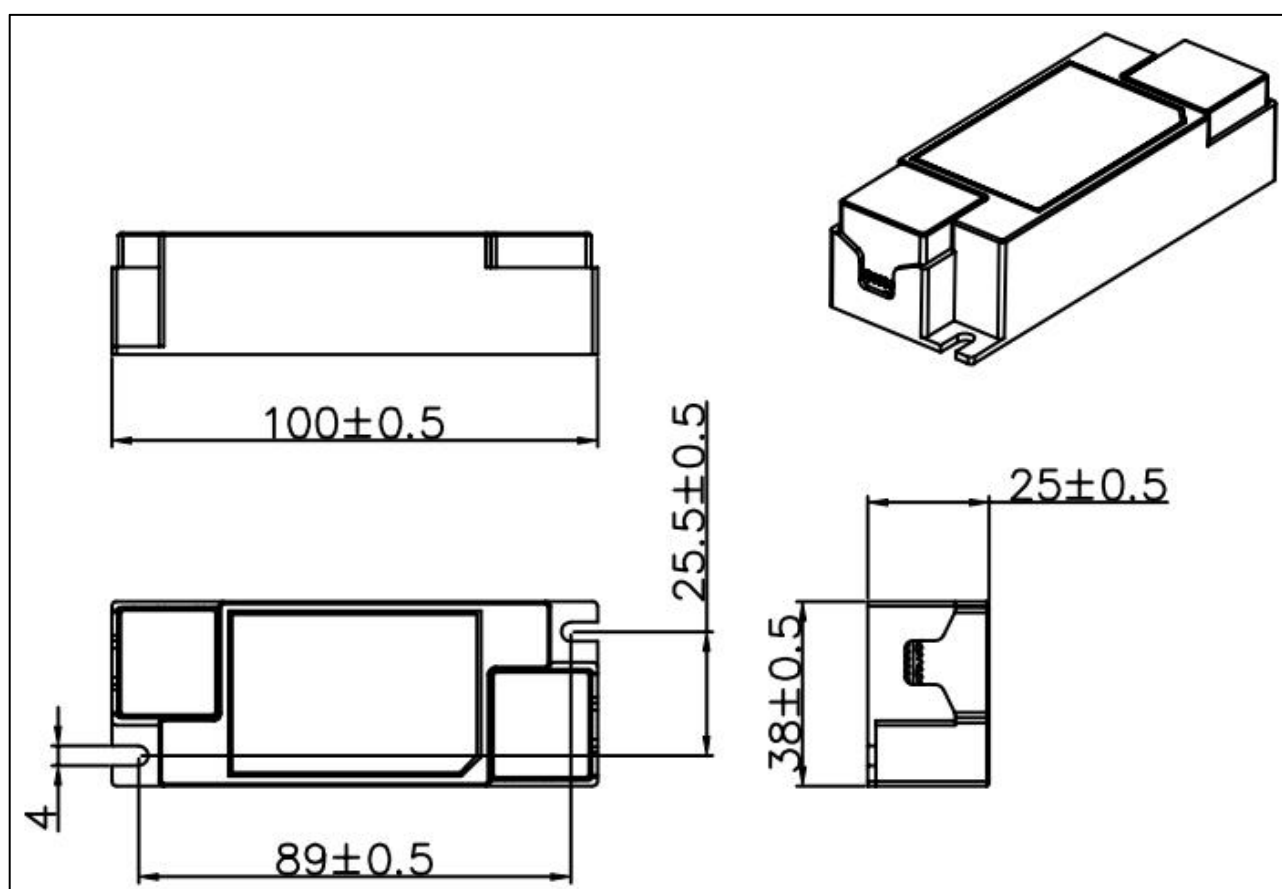
◆ Specification

Output	Constant Current	120mA	150mA	200mA	220mA	300mA	350mA
	Voltage Range	27-54VDC	27-53VDC	22-42VDC		14-27VDC	12-24VDC
	Unload voltage Max.	63VDC		50VDC		35VDC	32VDC
	Current Accuracy	±5%					
	Output HF current ripple(≥1KHz)	±5%					
	Output LF current ripple(≤120Hz)	±3%					
	SVM	≤0.4					
	P _{st}	≤1					
	Efficiency(Typ.)	78%					
Input	Rated input voltage	220-240VAC					
	Range of input voltage	176-264VAC					
	Rated input voltage(DC)	NA					
	Frequency(Hz)	50/60 Hz					
	Displacement factor	≥0.5					
	Power Factor	0.95					
	Input Current max	0.07A					
	Start-up time	< 0.5S					
	No Load Power	≤0.5W					
	THD (Typ.)	< 25%					
Protection	Over Load Protection	103-120%					
		YES/Auto Resume					
	Over Voltage Protection	63VDC		50VDC		35VDC	32VDC
		YES/Auto Resume					
	Short circuit Protection	YES/Auto Resume					
Environment	Operating Temperature	-20°C~+45°C					
	Humidity	10%-90%RH					
	Tc	75°C					
	Storage Temperature	-25°C~+60°C					
	Life time	> 50000h@Tc=75°C					
Surface	Dimension	100X38X25(LXWXH)mm					
standards	EN 61347-1; EN61347-2-13; EN62384; EN55015; EN61000-3-2 ; EN61000-3-3; EN 61547;						
Others	ErP	EU 2019/2020					
	RoHS	RoHS (2011/65/EU) (EU)2015/863					
Note	1.All parameters NOT specially mentioned are measured at 230VAC input , full load and 25°C of ambient temperature. 2.Ripple & Noise are measured at 20MHz of bandwidth by using a 300mm twisted pair-wire terminated with a 0.1uF & 47 uF parallel capacitor.						

◆ Wiring diagram



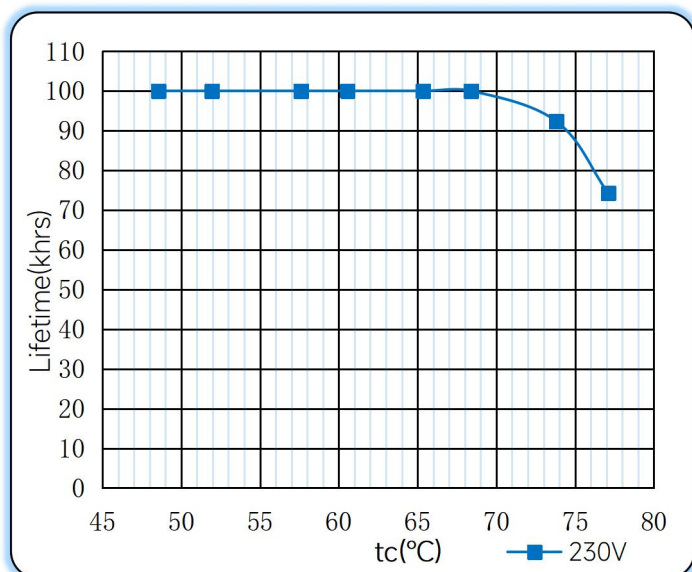
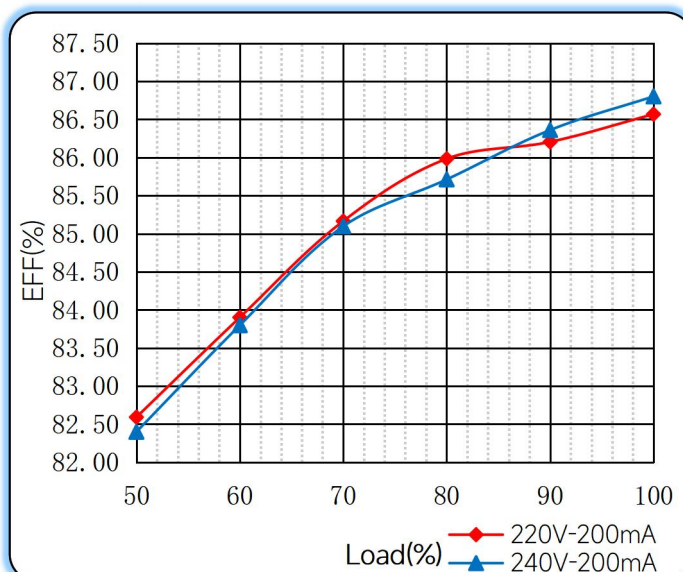
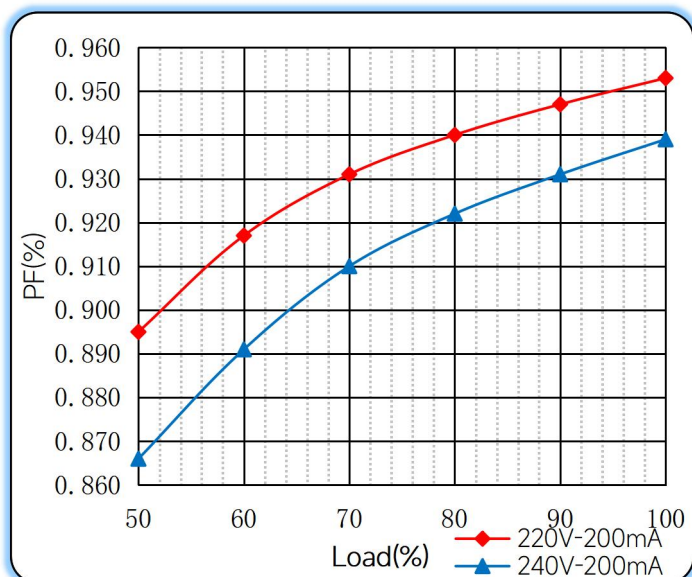
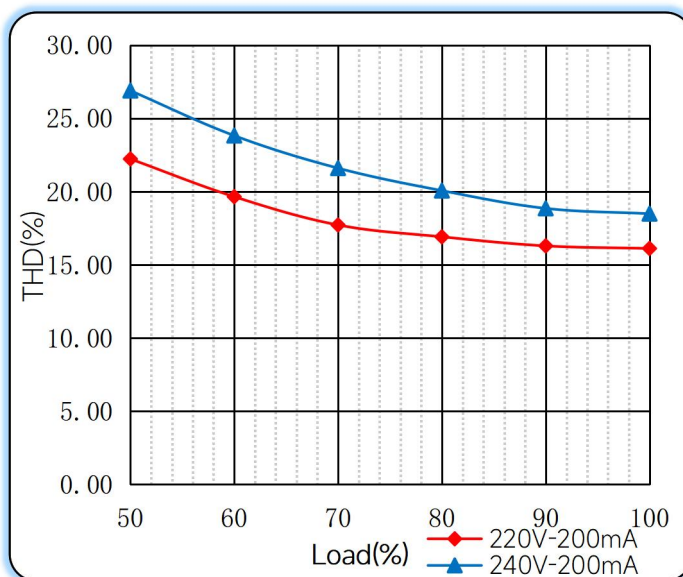
◆ 2D diagram



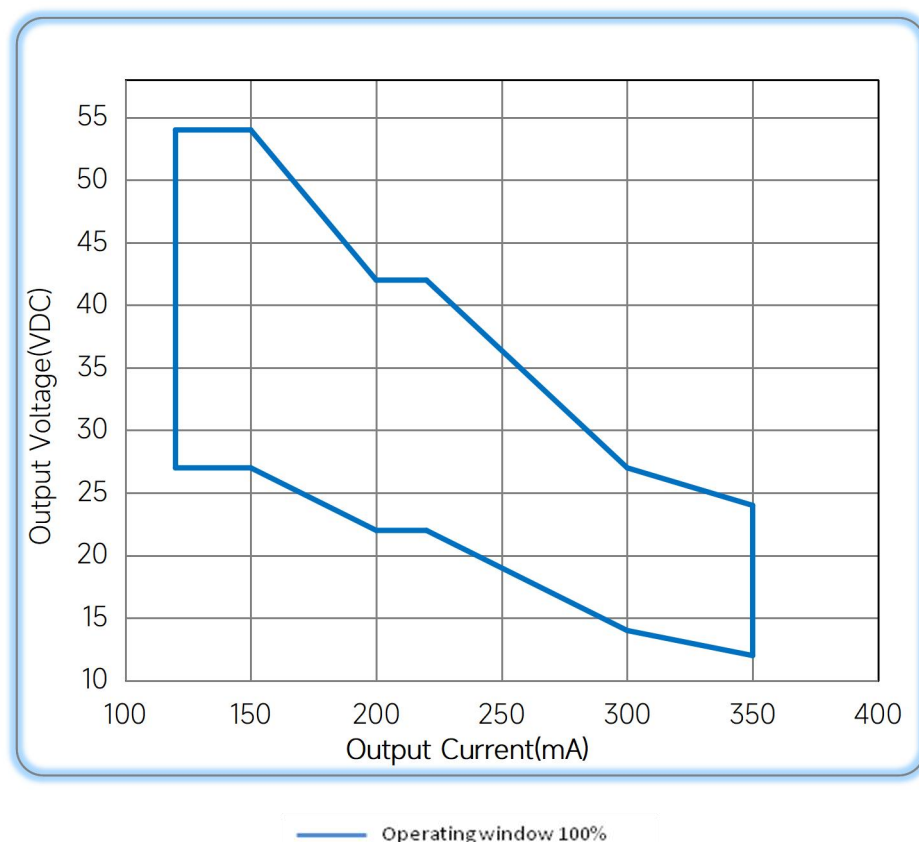
◆ Wiring & Connections

Specification item		Value (Unit)
Input	Input wire cross-section	0.5...1.5 mm ²
	Input wire gauge.	16...20 AWG
	Input wire strip length	7...9mm
Output	Output wire cross-section	0.5...1.5 mm ²
	Output wire gauge.	16...20 AWG
	Output wire strip length	7...9mm

◆ Curve for LS-8-200 LI1, Io=200mA

Lifetime vs. Temperature Curve

Efficiency vs. Load

Power Factor Characteristics

THD vs. Load


◆ Operating window



◆ Revision Updates

ITEM	BEFORE	AFTER	VERSION	DATE
Initial			A	2022/05/15

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Manual