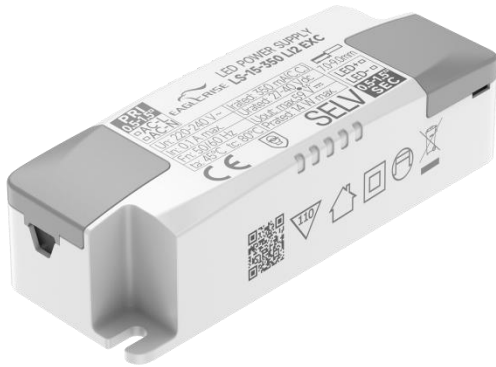


15W Constant Current power supply



Features

- For luminaires of protection Class II, SELV, Built-in
- Input Voltage 220-240VAC
- Protections: SCP/OLP/OVP/OTP
- Power Factor : 0.95
- Efficiency: 81%
- 5 years warranty

Applications

- LED panel, LED down light
- LED spot light

■ Approve

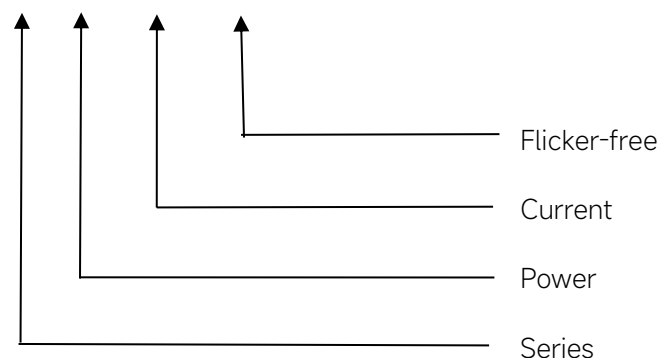


◆ Description

LS-15-350 LI2 EXC is a 15W constant current LED driver that operates from 198-264Vac input with 350mA output current. With it's compact dimensions from 92 x 36 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

LS-15-350 LI2 EXC



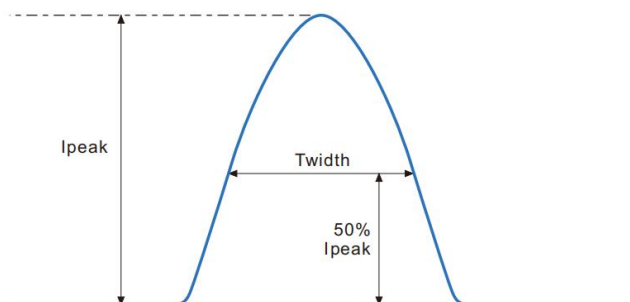
◆ Specification

Output	Constant Current (mA)	350
	Voltage Range(VDC)	27-40V
	Unload voltage Max.(VDC))	59V
	Current Accuracy	±5%
	Output HF current ripple(≥1KHz)	±5%
	Output LF current ripple(≤120Hz)	±3%
	SVM	≤0.4
	P _{st}	≤1
	Efficiency(Typ.)	81%
Input	Rated input voltage	220-240VAC
	Range of input voltage	198-264VAC
	Maximum voltage	300VAC@1 h maximum,unit might not operate in this abnormal condition
	Frequency(Hz)	50/60 Hz
	Displacement factor(Typ.)	≥0.95 @Full Load,230V
	Power Factor	≥0.95
	Input Current max	0.1A
	Start-up time	< 0.5S
	No Load Power	≤0.5W
	THD (Typ.)	< 25% @Full Load,230V
Protection	Over Load Protection	103-130%
		YES/Auto Resume
	Over Voltage Protection	59VDC
		YES/Auto Resume
capability	Short circuit Protection	YES/Auto Resume
	Surge capability (L-N)	1KV
Environment	Operating Temperature	-20°C~+45°C
	Humidity	10%-90%RH
	T _c	80°C
	Storage Temperature	-25°C~+60°C
	Life time	> 50000h@T _c =75°C
	Noise	≤20dB(A)@10cm
Surface	Dimension	92x36x25mm
	material	PC
Standards	Safety	GB19510. 1, GB19510. 14;IEC61347- 1, IEC61347-2- 13;EN61347- 1, EN61347-2- 13;EN62384
	EMC	GB/T17743, GB17625. 1;EN55015, EN61000-3-2, EN61000-3-3, EN61547;EN61000-4-5;EN61000-4-2,3,4,5,6,8,11

	Energy Efficiency	Erp2.0 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. 3.Switch and dimmer are not recommended to connect between this product output and luminaries. 4.The over-temperature protection of the product is provided by the IC. 5.All Eaglerise power supply are complied with EMI regulations. Since they are belong to component and will be installed inside system enclosure. When they are integrated into a system, the EMI characteristics of the system must be re-verified again.	

◆ Inrush Current

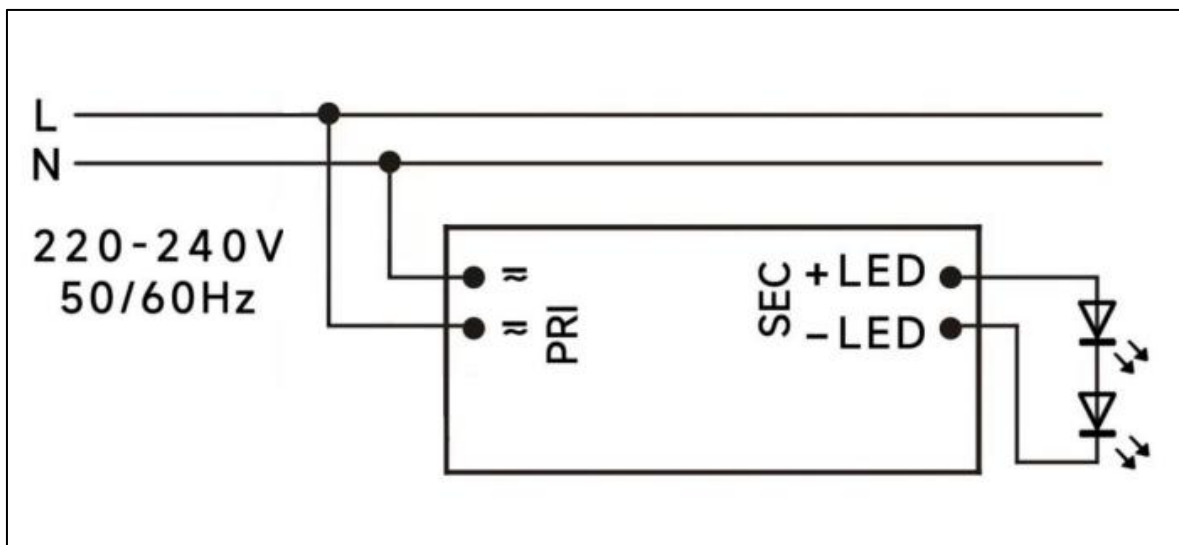
I_{peak}	Twidth	B10	B16	B20	C10	C16	C20
11.6A	113.6μs	64pcs	102pcs	128pcs	80pcs	128pcs	160pcs



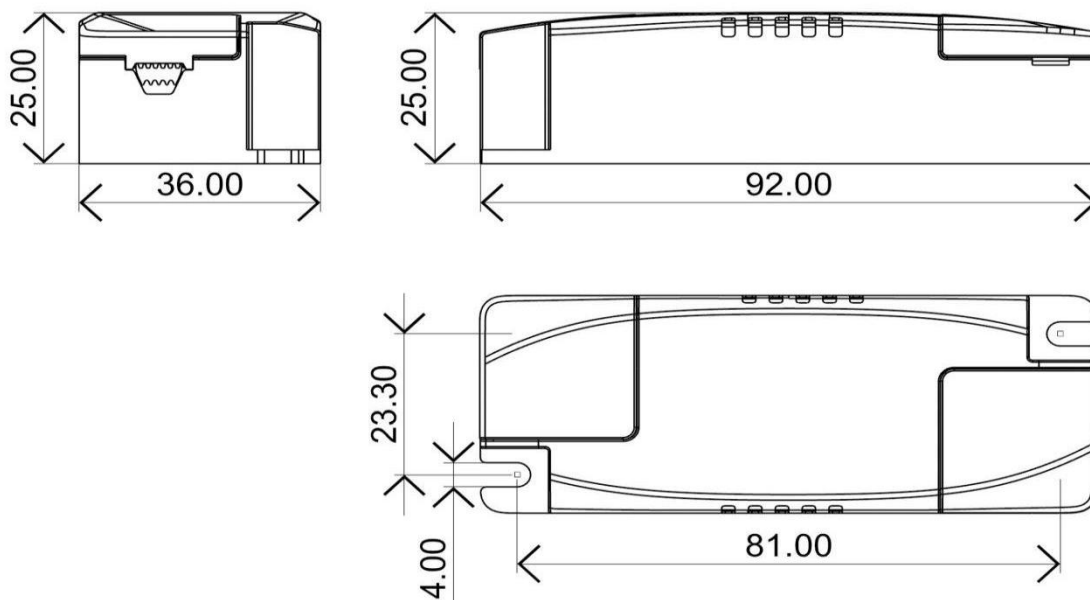
Remarks:

- 1.The number of drives mounted under different MCBs in the table is the maximum value. Please do not exceed this number during installation.
- 2.Different brands and models of miniature circuit breakers, the number of drives mounted will be slightly different.

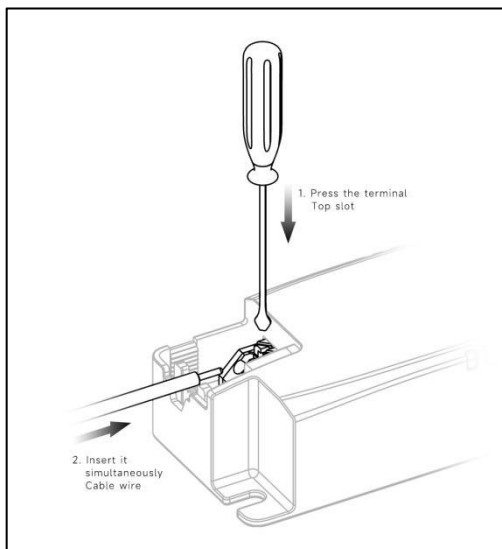
◆ Wiring diagram



◆ 2D diagram



Terminal



◆ 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

◆ Recommended wire

Wire cross-section	Wire type
2*0.5mm ²	H03VVH2-F 2core
2*0.75mm ²	H03VVH2-F 2core
1.5mm ²	CCC 08(RV-90)
16AWG(1.25mm ²)	UL1015

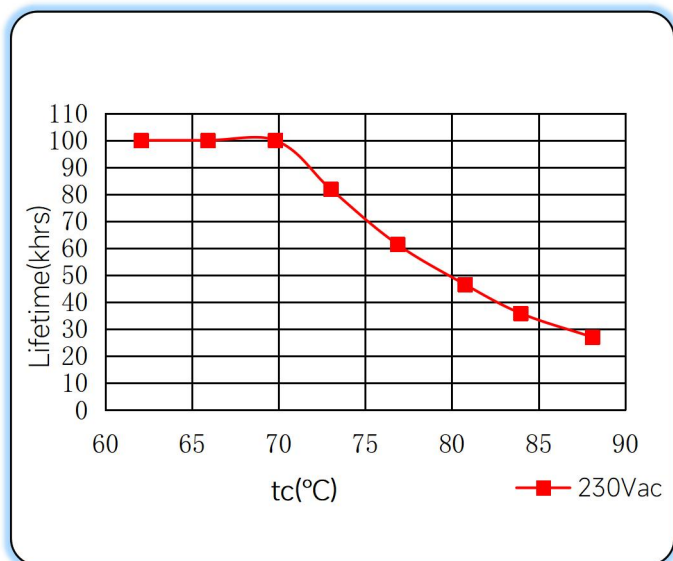
Note: Solid wire is risky to use on an angled terminal. Stranded wire is recommended for this kind of use.

◆ Packaging

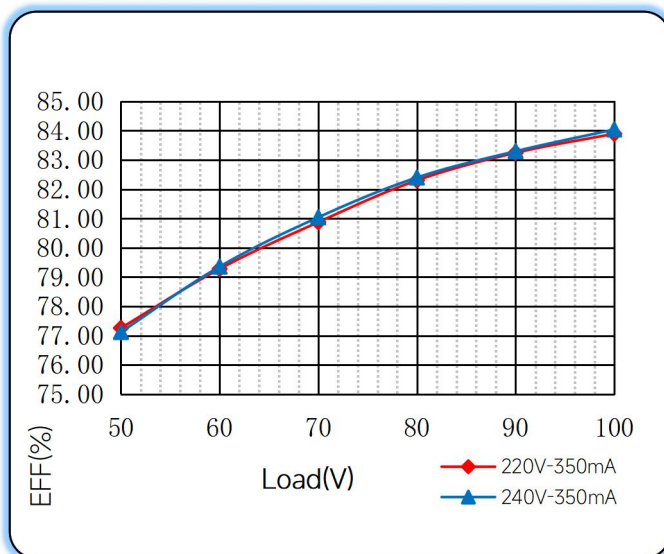
Model	Product Dimensions(mm)	weight/piece	Outer carton dimension(mm)	Quantity/carton	Net weight/carton(Kg)	Gross weight/carton(Kg)
LS-15-350 LI2 EXC	92x36x25mm	0.004	370x275x215mm	210	8.4	9.4

◆ Curve for LS-15-350 LI2 EXC, $I_o=350\text{mA}$

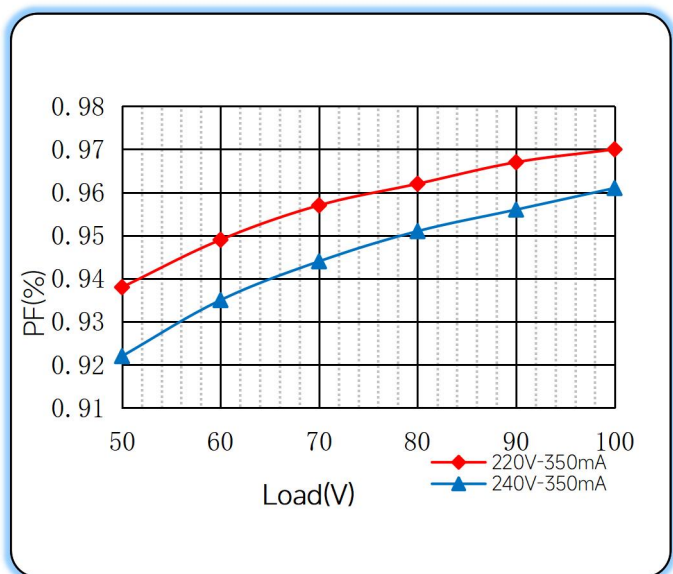
Lifetime vs. Temperature Curve



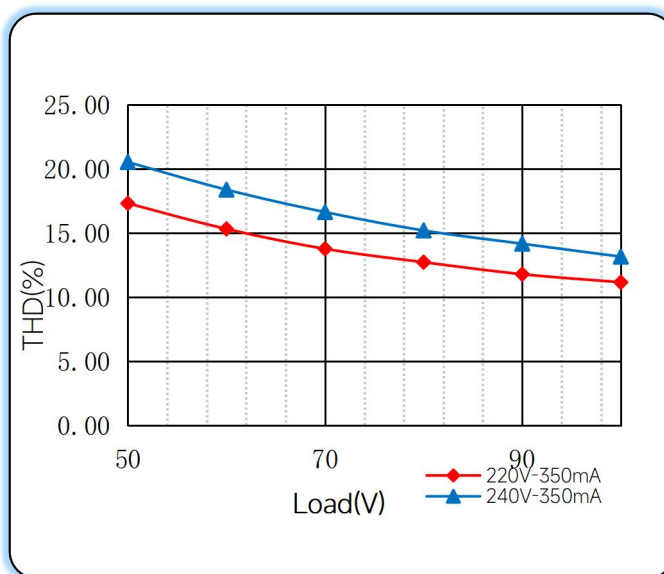
Efficiency vs. Load



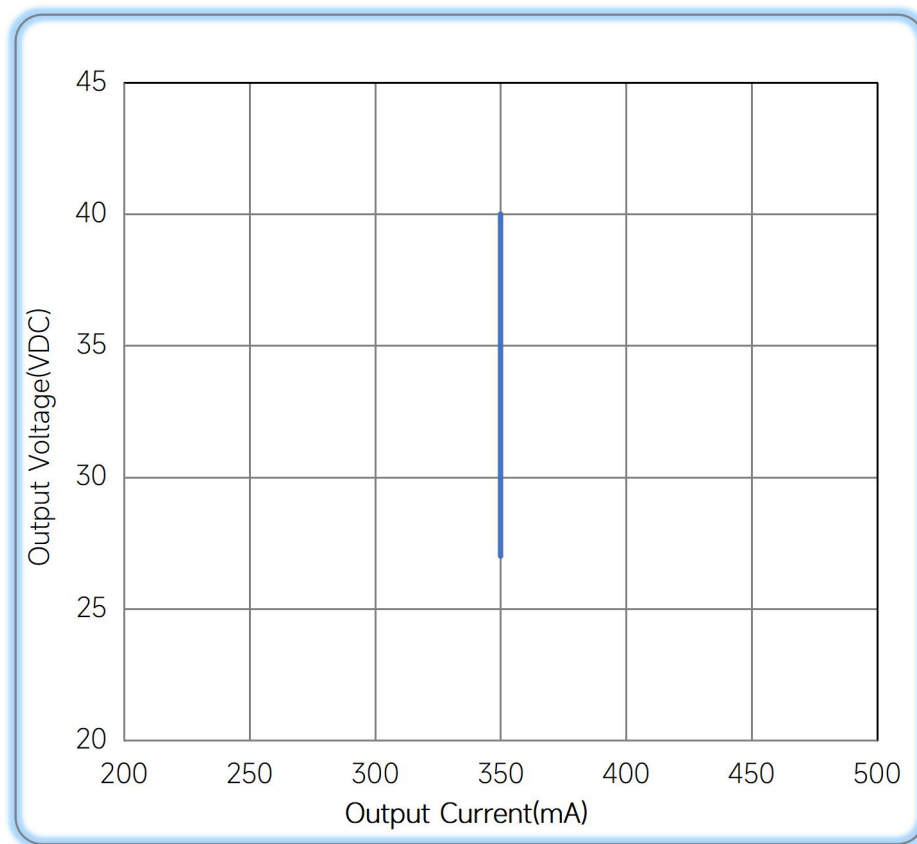
Power Factor Characteristics



THD vs. Load



◆ Operating window



— Operating window 100%

◆ Revision Updates

ITEM	BEFORE	AFTER	VERSION	DATE
Initial			A	2025/04/27
Curve			B	2025/09/03
Operating window		Update	C	2025/10/09

Remark: The final interpretation of the contents of the specification belongs to Eaglerise Electric & Electronic (China) Co., Ltd.

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