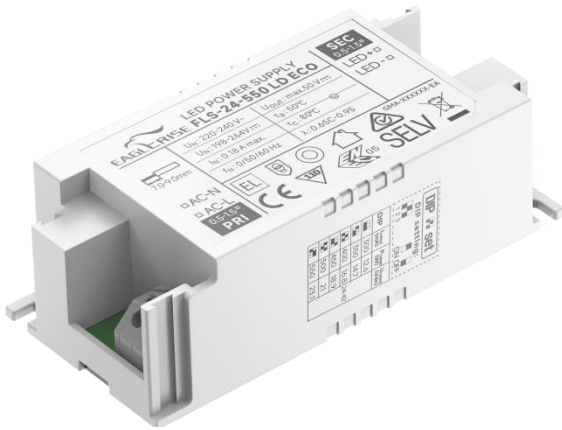


## 24W Constant Current power supply



■ Approve



### Features

- Class II, SELV, built-in/independent
- Input Voltage 220-240VAC
- Protections: SCP/OLP/OVP
- Power Factor : 0.96
- Efficiency : 88%
- 5 years warranty
- IP20

### Applications

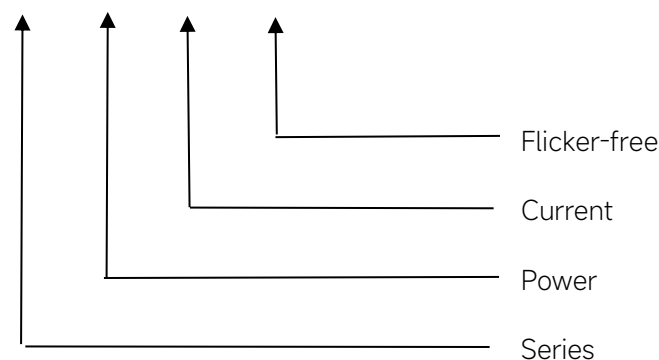
- LED panel, Down light

### ◆ Description

FLS-24-550 LD ECO is a 24W constant current LED driver with 300 to 550mA output current and a forward voltage range from 24 to 42Vdc. The output current is adjustable by DIP Switch. With it's compact dimensions from 97 x 43 x 30 mm it is easy to integrate in LED Panel and down light products. The side covers are available as accessories and allow to use the LED driver independent.

### ◆ Model code

#### FLS-24-550 LD ECO



## ◆ Specification

	Constant Current (mA)	300	350	400	450	500	550
Output	Voltage Range	24-42VDC					
	Unload voltage Max.	50VDC					
	Current Accuracy	±5%					
	Output HF current ripple(≥1KHz)	±5%					
	Output LF current ripple(≤120Hz)	±3%					
	SVM	≤0.01@Full Load					
	P <sub>st</sub>	≤0.05@Full Load					
	Efficiency(Typ.)	88%					
	Input	Rated input voltage	220-240VAC				
Range of input voltage		198-264VAC					
Rated input voltage(DC)		198-280VDC					
Frequency(Hz)		0/50/60 Hz					
Displacement factor		≥0.9					
Power Factor		>0.96					
Input Current		180mA					
Start-up time		< 0.5S					
No Load Power		≤0.5W					
THD (Typ.)		<7%					
Protection		Over Load Protection	103-120% YES/Latch off				
	Over Voltage Protection	> 50VDC YES/Latch off					
	Short circuit Protection	YES/Latch off					
	Over Temperature Protection	YES/Auto Resume					
Environment	Operating Temperature	-20°C~+50°C					
	Humidity	20%-90%RH					
	Tc	85°C					
	Storage Temperature	-40°C~+80°C					
	Lifetime	>50000h,@Tc=75°C					
Surface	Dimension	97X43X30mm (With side caps :131X43X30mm)					
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					

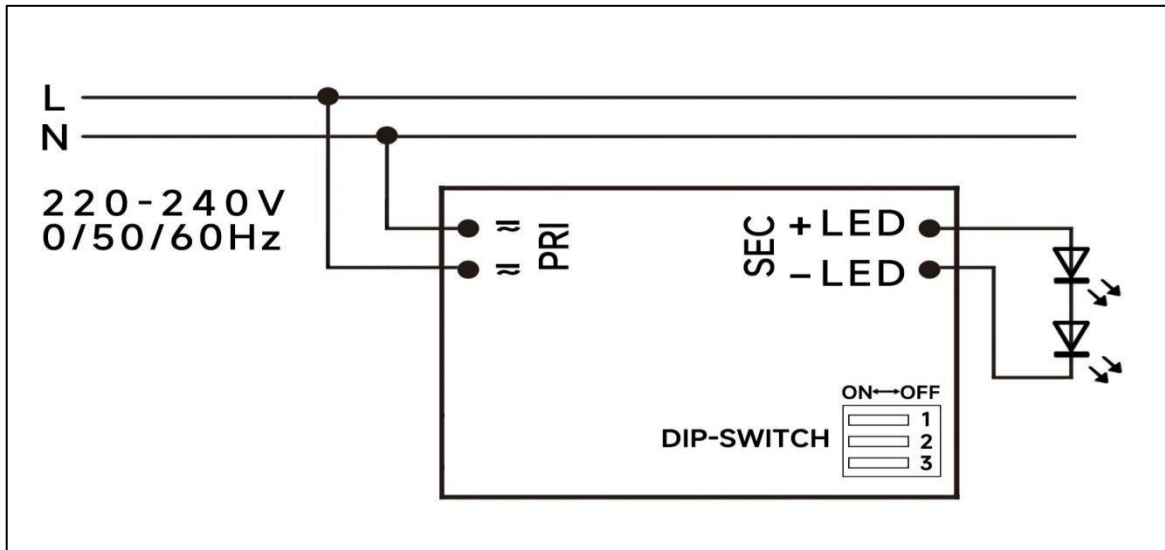
<b>Note</b>	<p>1.All parameters NOT specially mentioned are measured at 230VAC input , full load and 25°C of ambient temperature.</p> <p>2.Ripple &amp; Noise are measured at 20MHz of bandwidth by using a 300mm twisted pair-wire terminated with a 0.1uF &amp; 47 uF parallel capacitor.</p> <p>3.The DC input for this product is only used for emergency lighting and applies to functional and safety requirements, EMC is not considered.</p>
-------------	--

## ◆ Parameter

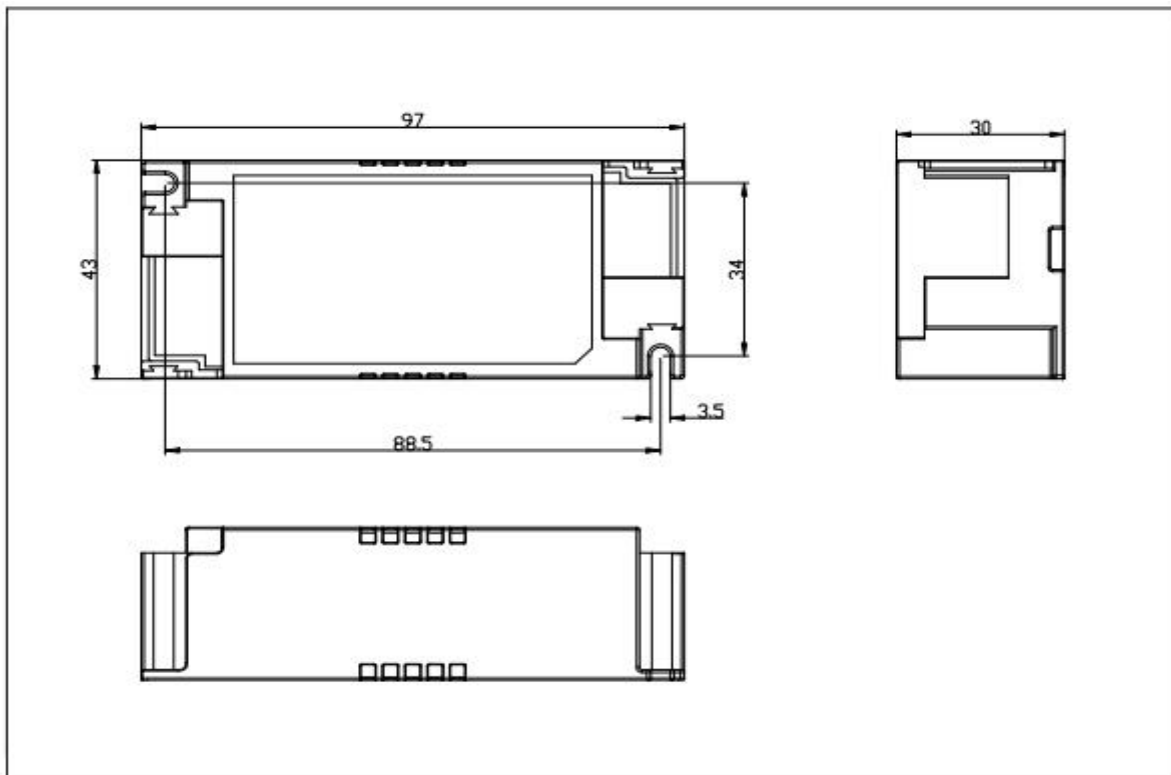
Number	Output	Switch position		
	Current(mA)	1	2	3
1	300	--	--	--
2	350	ON	--	--
3	400	--	ON	--
4	450	--	--	ON
5	500	ON	--	ON
*6	550	--	ON	ON

\* Factory default

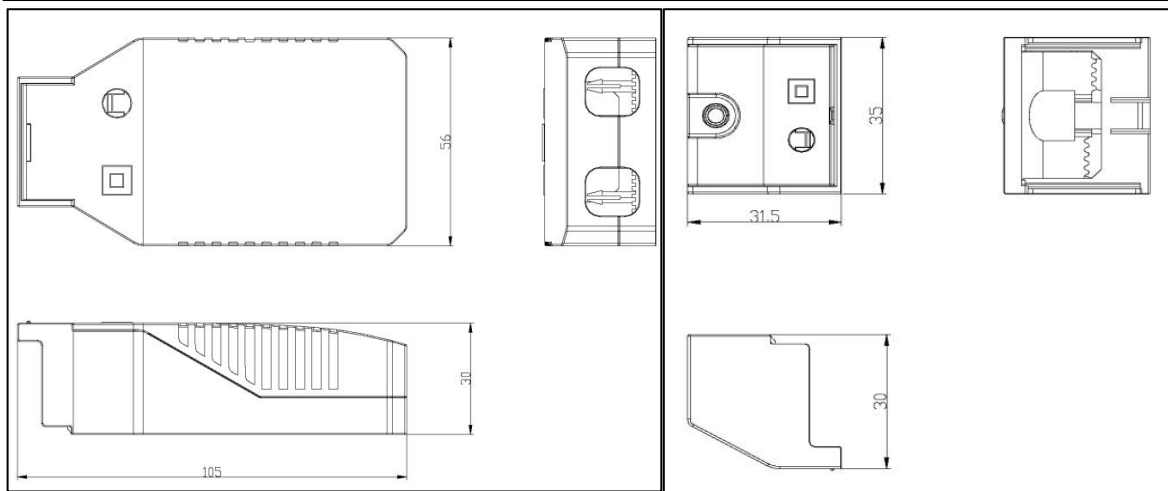
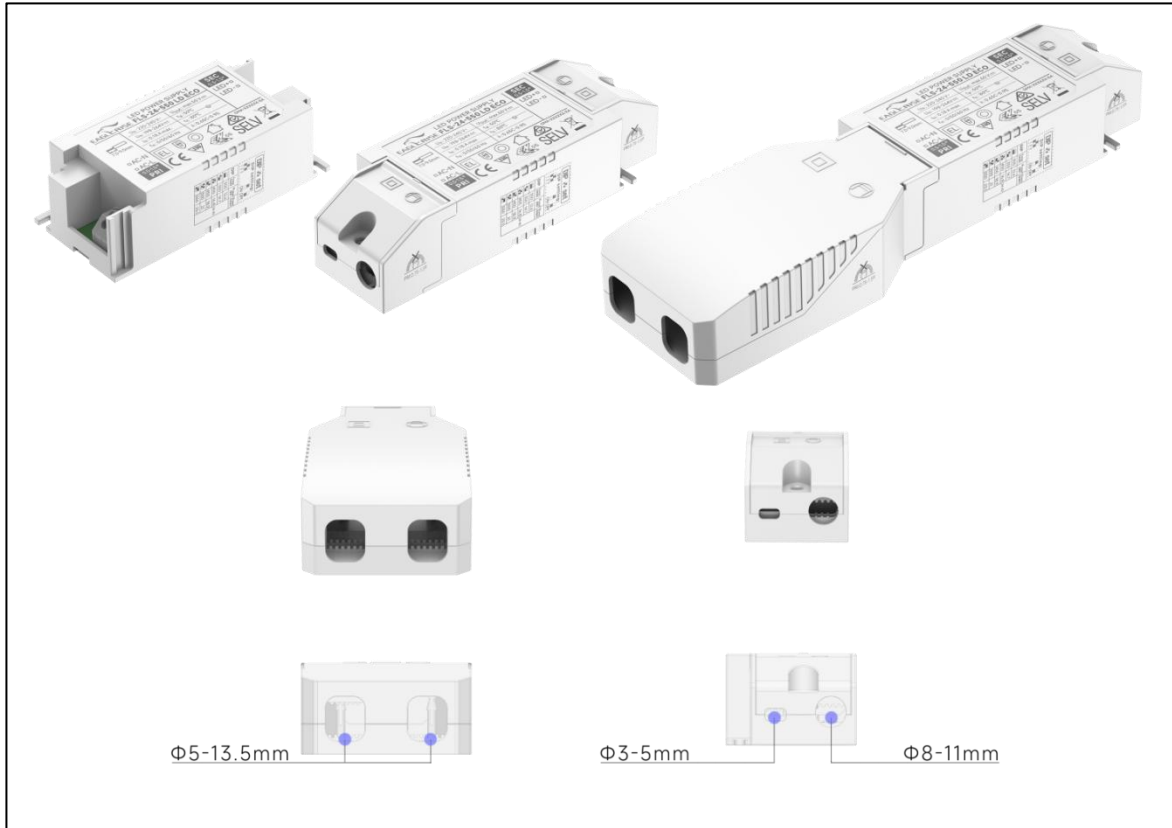
◆ **Wiring diagram**



◆ **2D diagram**



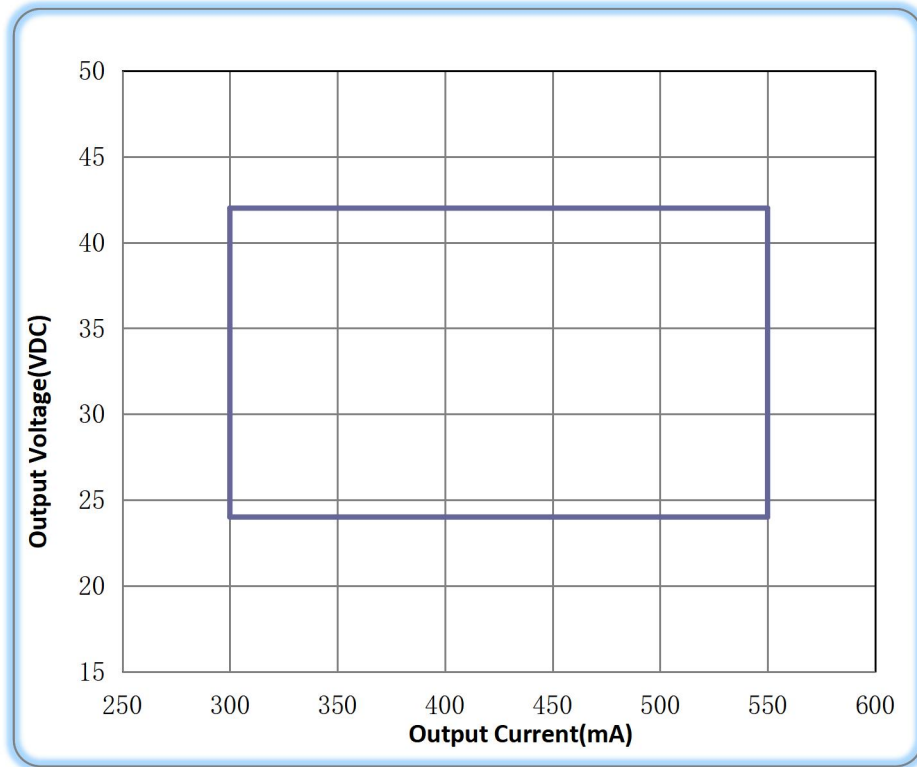
With side caps



## ◆ Wiring & Connections

Specification item		Value (Unit )
Input	Input wire cross-section	0.5...1.5 mm <sup>2</sup>
	Input wire gauge.	16...20 AWG
	Input wire strip length	8...9mm
Output	Output wire cross-section	0.5...1.5 mm <sup>2</sup>
	Output wire gauge.	16...20 AWG
	Output wire strip length	8...9mm

◆ **Operating window**



— Operating window 100%

◆ **Revision Updates**

ITEM	BEFORE	AFTER	VERSION	DATE
Initial			A	2022/02/15

Tel: +86-0757-86256822, +86-0757-86256831

E-mail: sales@eaglerise.com

Website : <https://lighting.eaglerise.com>



EAGLERISE



Manual