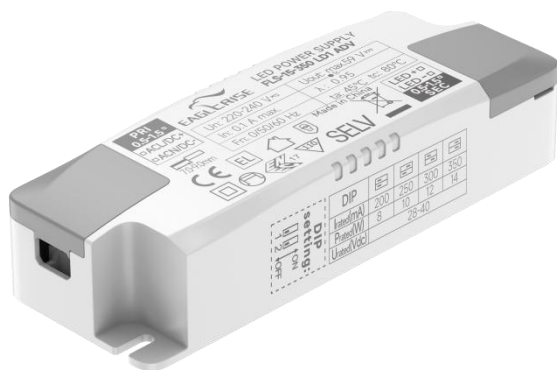


14W Constant Current Power Supply



■ Approve



Features

- For luminaires of protection Class II, SELV, Independent
- Input Voltage: 220-240VAC
- Protections: SCP/OLP/OVP/OTP
- Power Factor: 0.95(Typ.)
- Efficiency: $\geq 92\%$ (Typ.)
- Adjustable Output Current with dip-switch
- 5 years warranty
- IP20

Applications

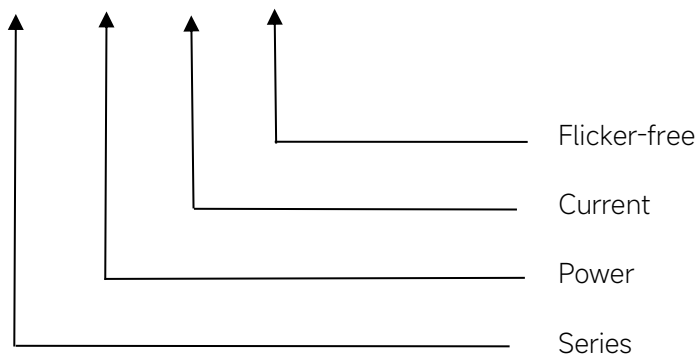
- LED panel, LED down light

◆ Description

FLS-15-350 LD1 ADV is a 14W constant current LED driver with 200 to 350mA output current and a forward voltage range from 28 to 40Vdc. The output current is adjustable by DIP Switch. With it's compact dimensions from 116 x 41x 26 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-15-350 LD1 ADV



◆ Specification

Output	Constant Current (mA)	200mA	250mA	300mA	350mA
	Voltage Range(VDC)	28-40V			
	Unload voltage Max.(VDC)	59V			
	Current Accuracy	±8%		±5%	
	Output LF current ripple(≤120Hz)	≤±3%			
	SVM	≤0.4			
	Pst	≤1			
	Efficiency(Typ.)	≥92% @Full Load,230V			
Input	Rated input voltage(VAC)	220-240V			
	Range of input voltage(VAC)	198-264VAC			
	Maximum voltage	300VAC@1 h maximum,unit might not operate in this abnormal condition			
	Range of input voltage(VDC)	176-280VDC			
	Frequency(Hz)	0/50/60 Hz			
	Displacement factor	0.95 @Full Load,230V			
	Power Factor	0.95 @Full Load,230V			
	Input Current max	0.1Amax			
	Start-up time	< 0.5S			
	No Load Power	≤0.5W			
	THD (Typ.)	<10% @Full Load,230V			
Protection	Over Load Protection	103-120%			
		YES/Auto Resume			
	Over Voltage Protection	>59V			
		YES/Auto Resume			
	Short circuit Protection	YES/Auto Resume			
Over Temperature Protection	YES/Auto Resume				
capability	Surge capability (L-N)	1KV			
	Surge capability (L/N-Ground)	NA			
Environment	Operating Temperature	-20℃~-+45℃			
	Humidity	20%-90%RH			
	Tc	80℃			
	Storage Temperature	-25℃~-+60℃			
	Life time	> 50000h@Tc=75℃			
	Ripple&Noise	≤20dB(A)@10cm			
Surface	Dimension	116X41X26mm			
	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;EN61000-4-2,3,4,5,6,8,11, EN61547;EN61000-4-5
	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.	

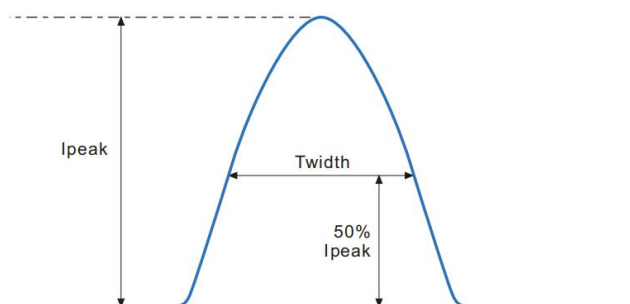
◆ Parameter

Number	Output				Switch position	
	Current (mA)	Voltage (VDC)	Voltage No load (VDC)	Power (W)	1	2
1	200mA	28-40VDC	59	8	--	--
2	250mA			10	ON	--
3	300mA			12	--	ON
*4	350mA	28-40VDC		14	ON	ON

* Factory default

◆ Inrush Current

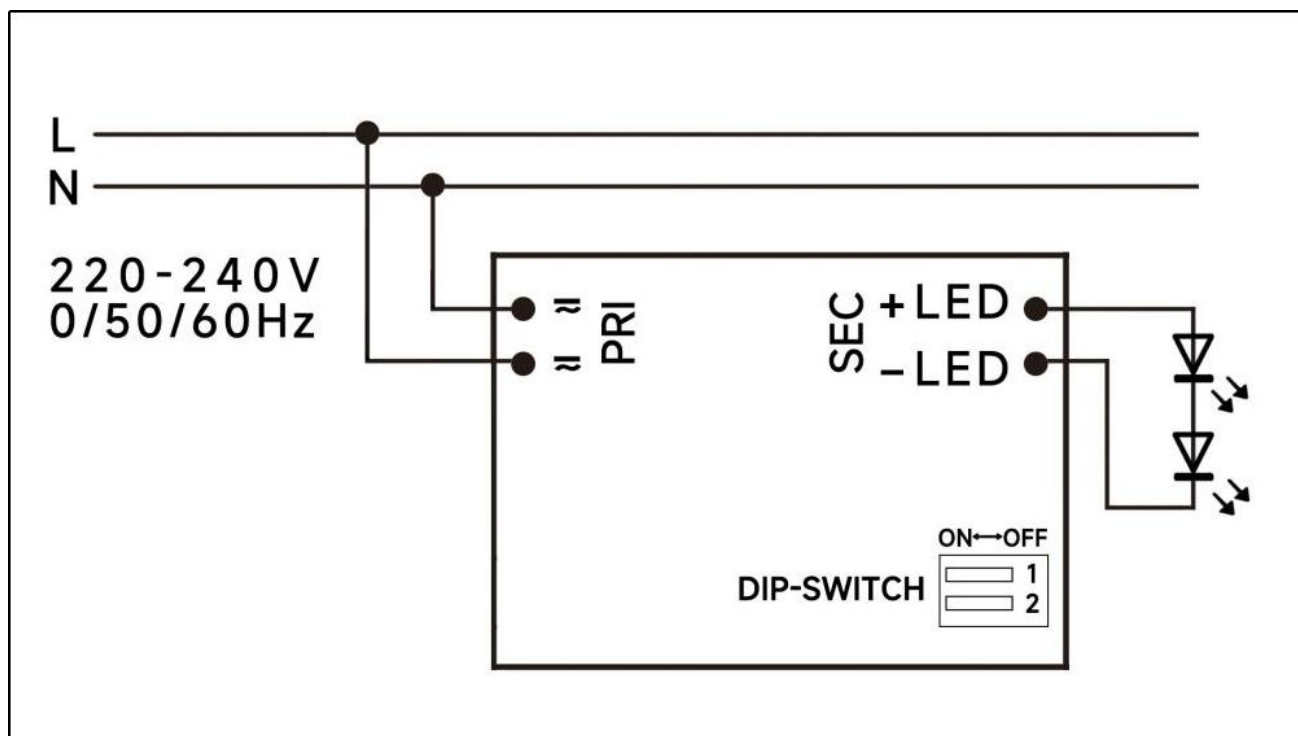
I_{peak}	Twidth	B10	B16	B20	C10	C16	C20
19.4A	112μs	39pcs	62pcs	78pcs	65pcs	104pcs	130pcs



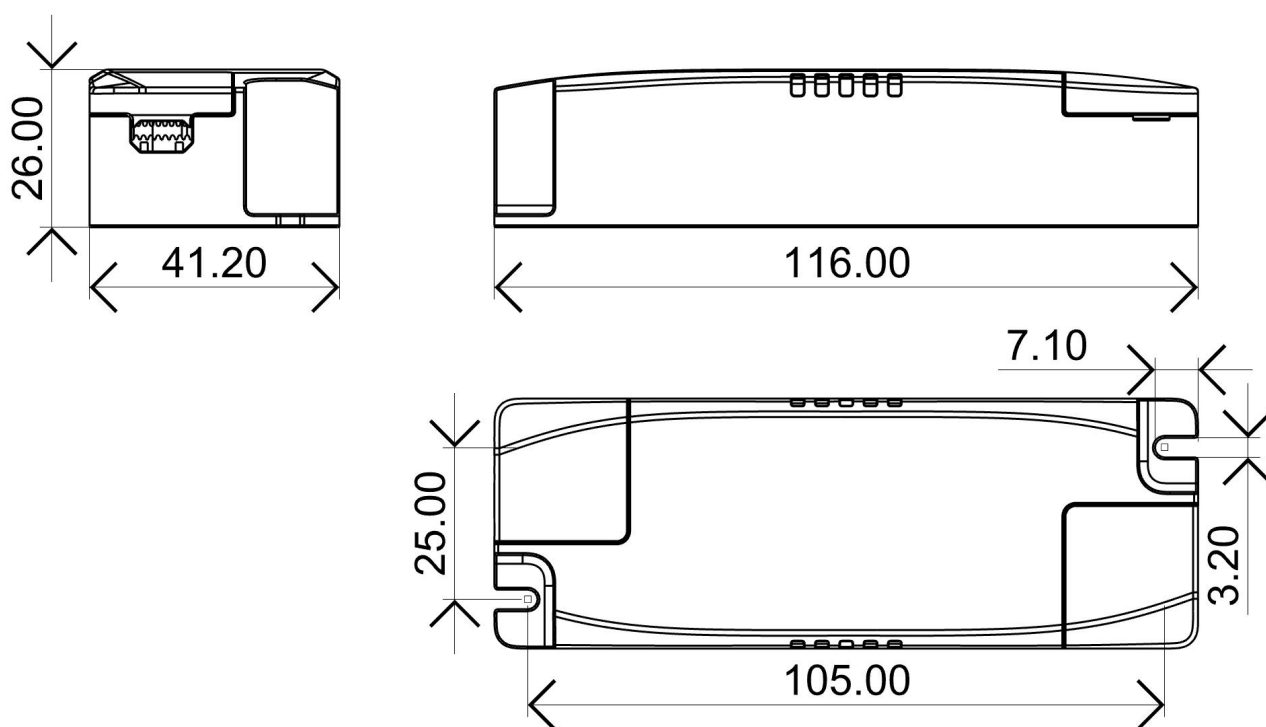
Remarks:

- 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



◆ 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

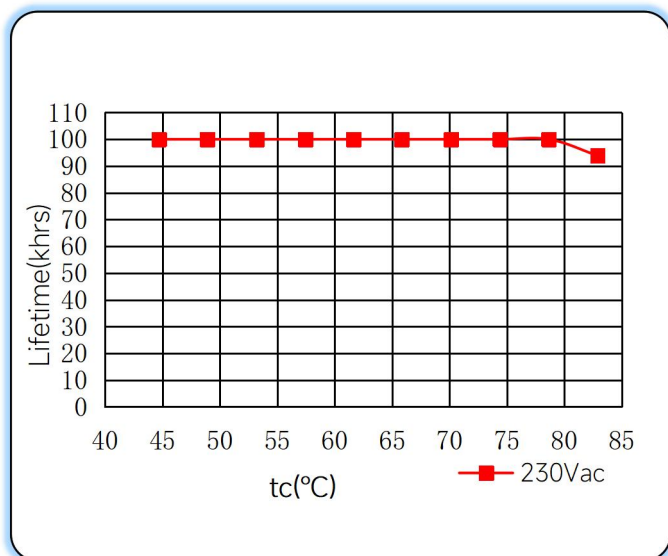
Note: Solid wire is risky to use on an angled terminal. Stranded wire is recommended for this kind of use.

◆ Packaging

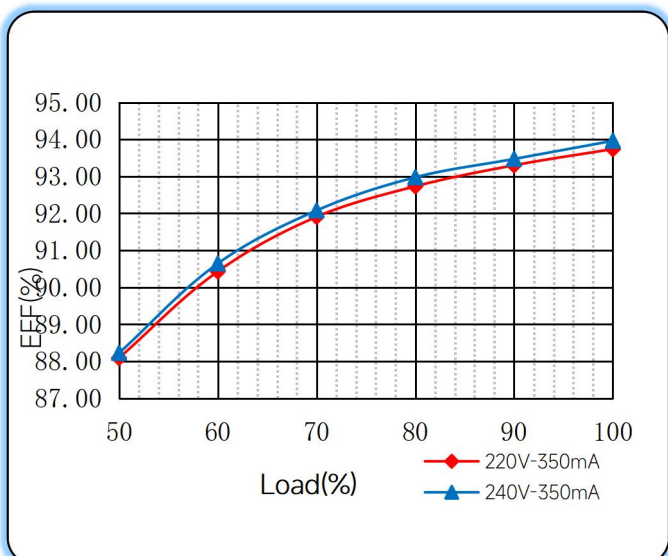
Model	Product Dimensions(mm)	weight/piece	Outer carton dimension(mm)	Quantity/carton	Net weight/carton(Kg)	Gross weight/carton(Kg)
FLS-15-350 LD1 ADV	116X41X26mm	0.0757	370X275X215mm	126	9.538	10.19

◆ Curve for FLS-15-350 LD1 ADV, $I_o=350\text{mA}$

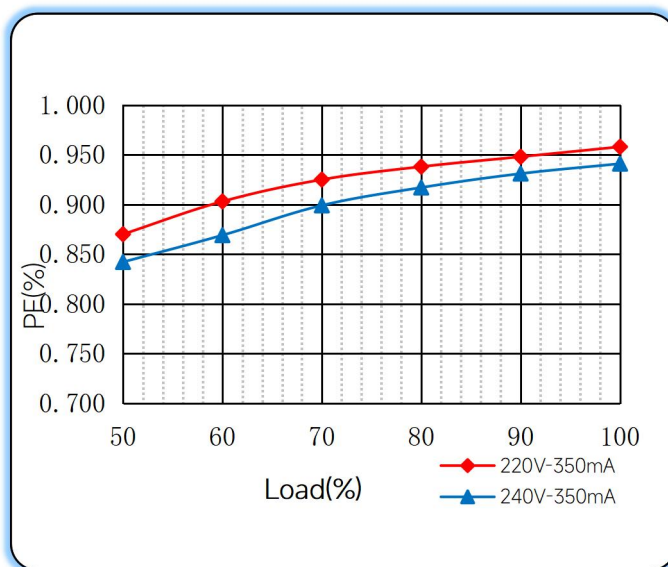
Lifetime vs. Temperature Curve



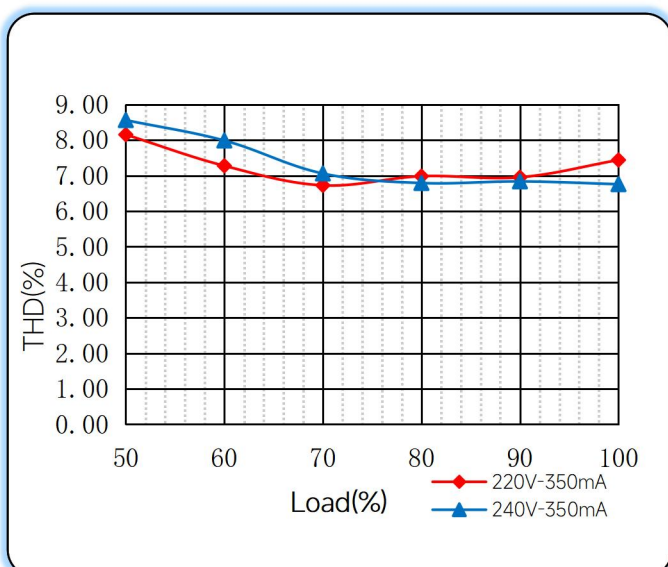
Efficiency vs. Load



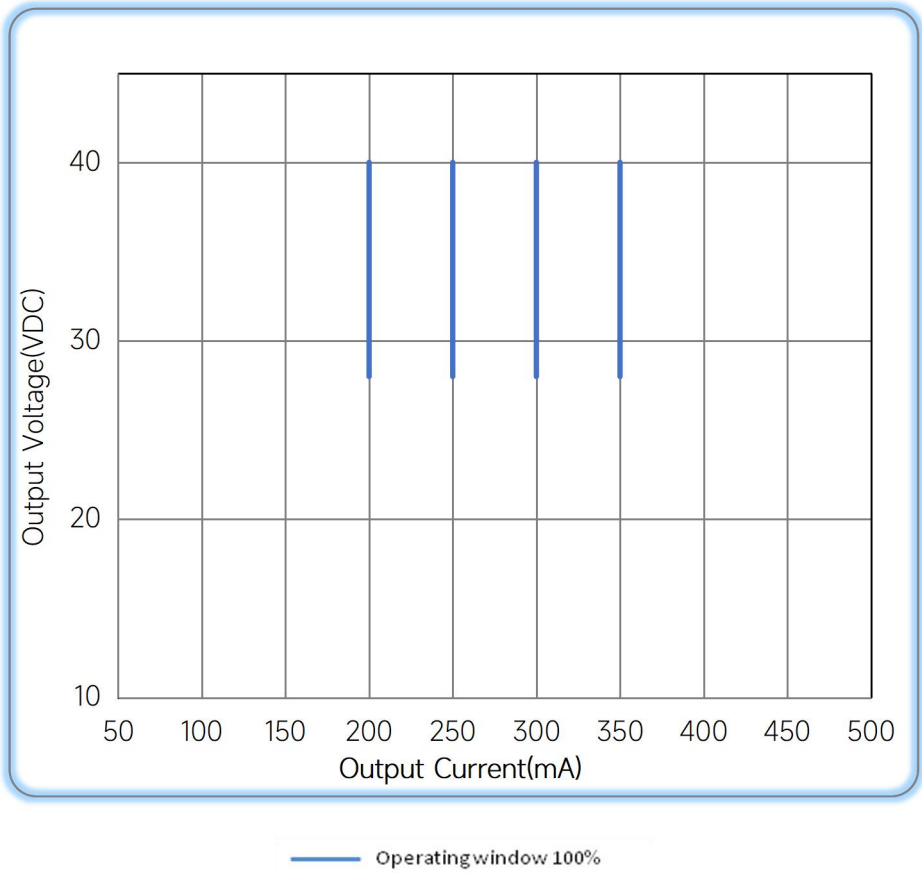
Power Factor Characteristics



THD vs. Load



◆ Operating window



◆ Revision Updates

ITEM	BEFORE	AFTER	VERSION	DATE
Initial			A	2024/11/19

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

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EAGLERISE



Manual