

# Constant Current LED Power Supply 1-10V Dimmable

SLD35-700ILA-E(350mA,500mA,550mA,700mA)

1-10V Dimmable



## Product description :

With slim profile of 21mm height, this type of power supply is exclusively designed for linear LED light fixture. The outline keeps same as ballast for easy installation in LED luminaire which replaces traditional fluorescent lamp. Dipswitch leads variety output current. Reliability ensures 50,000hrs working lifetime.

## Standards:

EN61347-1  
EN61347-2-13  
EN61547  
EN55015  
EN61000-3-2  
EN61000-3-3  
EN62384  
EN62493

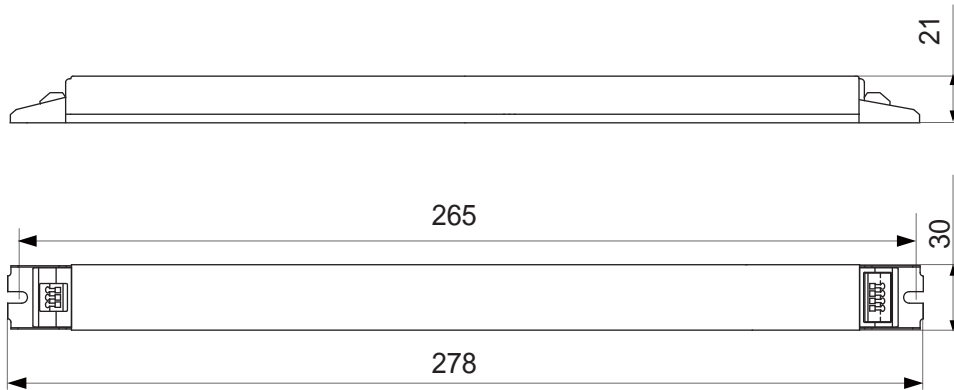
## Characteristics:

- Slim design with 21mm height
- Adjustable output current by dipswitch
- Dipswitch leads variety output current: 350mA,500mA, 550mA,700mA.
- Metal house class I power supply for constant current LED lamp.
- 10-100% dimming range by 150kΩ potentiometer or 1-10V dimmer(electronic potentiometer)
- Quick connection terminal for wire cross selection 0.5-0.75mm<sup>2</sup>
- Open circuit , short circuit , over load and over temperatureprotection
- Auto restart after fault conditions removal
- SELV output(<60V)
- Surge protection voltage 2 kV (L to N),4 kV (L/N to earth)
- Efficiency:86% (AC230V , full load)

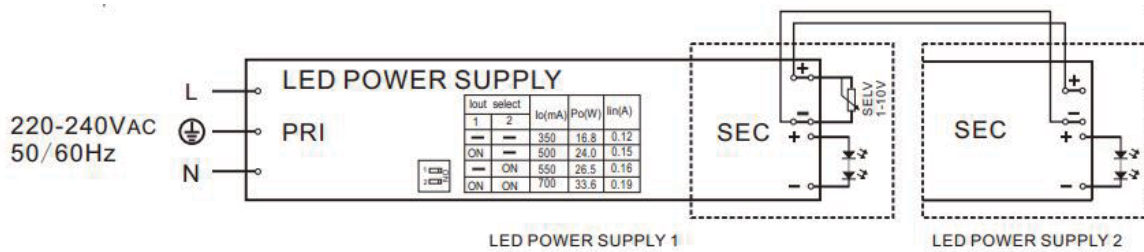
## Specifications :

Model	SLD35-700IA-E(350mA,500mA,550mA,700mA)				
Output	turn on time(S)	≤0.5	≤0.5	≤0.5	≤0.5
	output current(mA)	350	500	550	700
	output current tolerance <sup>①</sup>	+/-6%	+/-6%	+/-6%	+/-6%
	ripple current(mA)	200(lp-p)	250(lp-p)	275(lp-p)	350(lp-p)
	working voltage range(V)	6-48	6-48	6-48	6-48
	Max. output voltage(V)	58	58	58	58
	dimming interface	1-10V			
	dimming range	10%-100%			
Input	rated supply voltage(Vac)	220-240	220-240	220-240	220-240
	voltage range(Vac)	198-264	198-264	198-264	198-264
	line frequency(Hz)	50/60	50/60	50/60	50/60
	input current(mA)	160	180	200	220
	efficiency <sup>②</sup>	84.0%	86.0%	86.0%	85.0%
	power factor <sup>②</sup>	0.95	0.95	0.95	0.95
	inrush current(lp-k)	8A/30us	8A/30us	8A/30us	8A/30us
Protection	over voltage protection	YES	YES	YES	YES
	short circuit protection	YES	YES	YES	YES
	over temperature protection	YES	YES	YES	YES
	automatic restart	YES	YES	YES	YES
	over load protection	YES	YES	YES	YES
	surge capacity	L-N: 2KV,L,N-PE: 4KV	L-N: 2KV,L,N-PE: 4KV	L-N: 2KV,L,N-PE: 4KV	L-N: 2KV,L,N-PE: 4KV
Ambient and Life	Ta(°C)	-20...50			
	Tc max. (°C)	75			
	Storage Temperature(°C)	-30...80			
	ambient humidity range	5%...85%RH, Not condensing			
	nominal life-time(hrs)	50'000@Tc=70 C			
Other	weight(g)	205			
	dimensions (L×W×H)(mm)	278×30×21			
	casing material	metal			
	housing colour	White			
	type of protection	IP20			
	protection class	CLASS I			
Note	<p>1.Tolerance : includes set up tolerance, line regulation and load regulation.  2.Tested at full load,230Vac.Refer to"Power Factor" and "EFFICIENT"curve graphs.  3.All parameters NOT specially mentioned are measured at nominal voltage input, rated load and 25 of ambient temperature.  4.The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.</p>				

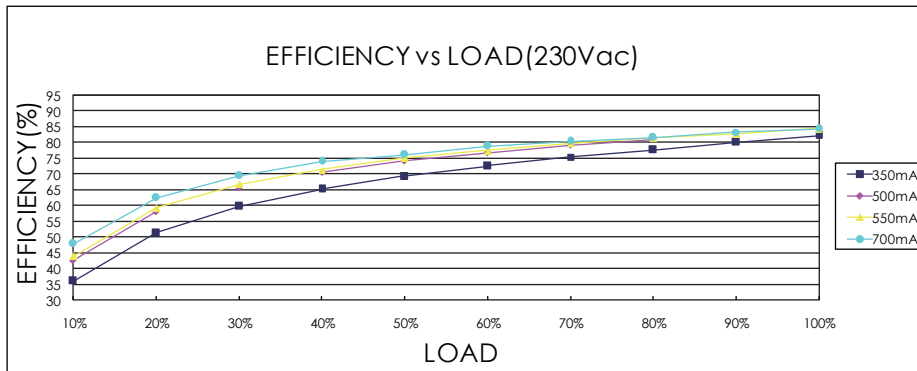
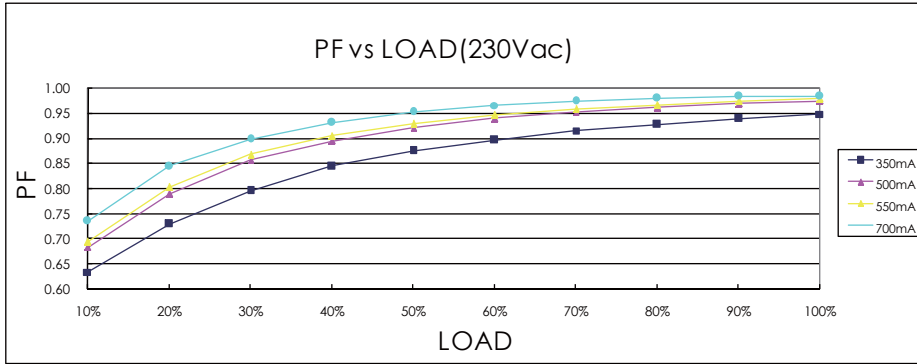
Dimensions(mm):



Wiring diagram:



## Electrical curves:



note

For constant current power supply, "LOAD" means the percentage of the maximum rated output voltage.  
For constant voltage power supply, "LOAD" means the percentage of the maximum rated output current.

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\*Due to continuous improvements and innovations,specifications are subjected to change without notice.