

# Constant Current LED Power Supply

## FCC linear series

SLT80-700IL-EU



### Product description:

This type of power supply is an exclusively designed stabilized power supply for LED lamp. With constant current (CC) technology, it is suitable for constant current lamps connected in a series. According to the switches selection, the output current can change from 325mA to 700mA. The current step is 25mA.

The built-in protection circuit will shut down the power supply in case of such faults as: open circuit, short circuit, over load or over temperature. The power supply will restart automatically after fault correction.

### Standards:

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

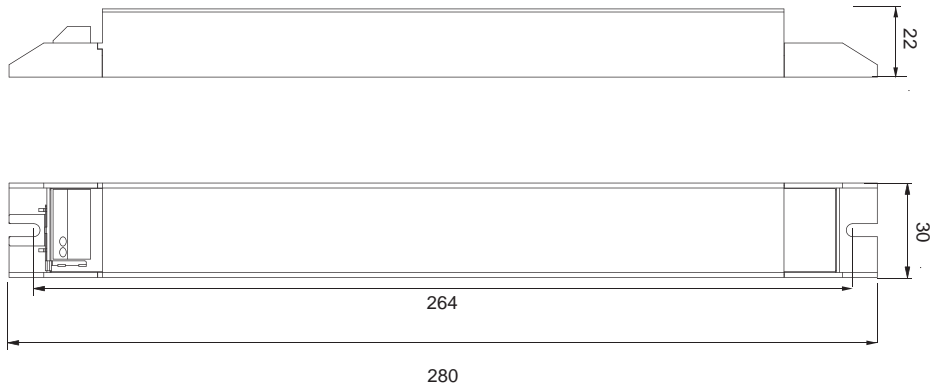
### Characteristics:

- Built-in power supply for constant current LED lamp
- Plastic housing with function ground
- Non-isolated design have high performance/cost ratio
- Quick connection terminal for wire cross section 0.5-0.75mm<sup>2</sup>
- Selectable output current according to the dipswitch from 325-700mA
- Open circuit, short circuit, over load and over temperature protection
- Auto restart after fault conditions removal
- up to 94% efficiency
- Warranty: 5 years

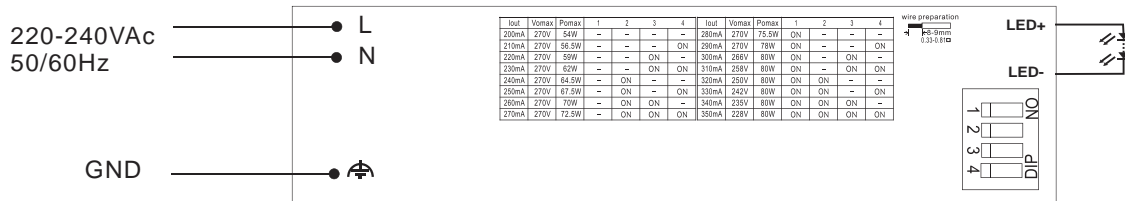
## Specifications:

Model		SLT80-700IL-EU															
Output	turn on time(S)	≤0.5															
	output current(mA)	325	350	375	400	425	450	475	500	525	550	575	600	625	650	675	700
	output current tolerance <sup>①</sup>	+/-5%															
	ripple current(mA) <sup>③</sup>	≤3%															
	working voltage range(V)	40-246	40-228	40-213	45-200	45-188	50-178	50-168	50-160	55-152	55-145	55-139	60-133	60-128	60-123	60-118	60-114
	Max. output voltage(V)	420															
	dimming interface	No															
	dimming range	n/a															
Input	rated supply voltage(Vac)	110-270															
	voltage range(Vac)	198-264															
	line frequency(Hz)	50/60															
	input current(mA)	470															
	efficiency <sup>②</sup>	94.0%	93.9%	93.8%	93.6%	93.5%	93.4%	93.2%	93.0%	92.8%	92.6%	92.5%	92.5%	92.3%	92.2%	92.1%	92.0%
	power factor <sup>②</sup>	0.90C															
	inrush current(lpk)	40A/140us															
Protection	over voltage protection	No															
	short circuit protection	YES															
	over temperature protection	YES															
	automatic restart	YES															
	over load protection	YES															
	surge capacity	L-N: 1KV L,N-PE: 2KV															
Ambient and Life	Ta(°C)	-20...50															
	Tc max. (°C)	90															
	audible noise(dB)	25															
	Storage Temperature(°C)	-30...80															
	ambient humidity range	5%...85%RH, Not condensing															
	nominal life-time(hrs)	50'000@Tc=85 C															
Other	weight(g)	230															
	dimensions (LxWxH)(mm)	280x30x22															
	casing material	plastic															
	housing colour	grey															
	type of protection	IP20															
	protection class	Built-in															
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.Output LF current ripple (&lt; 200 Hz)  4.All parameters NOT specially mentioned are measured at nominal voltage input, rated load and 25 of ambient temperature.  5.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>																

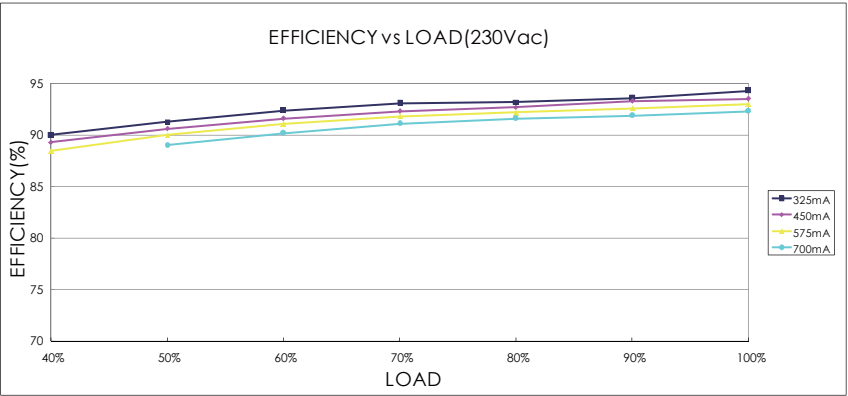
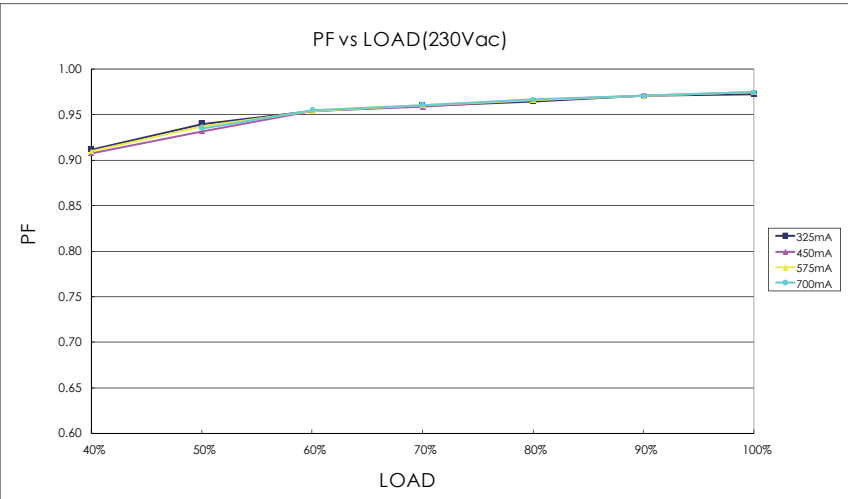
### Dimensions(mm):



### 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.



## Order information:

Order.No.	Model	Carton quantity(pcs)	Carton dimension(mm)	G.W./CTN(kg)
1001-260156-0130	SLT80-700IL-EU	50	380x310x165	12

## Sales & Technical Support:

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