

# Constant Current LED Power Supply Phasecut Dimmable



## 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 (300/350/500mA) connected in a series. The output current of the converter could be dimmed between 10%-100% by trailing or leading edge dimmers. The built-in protection circuit will shut down the converter in case of such faults as: open circuit, short circuit, over load. 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

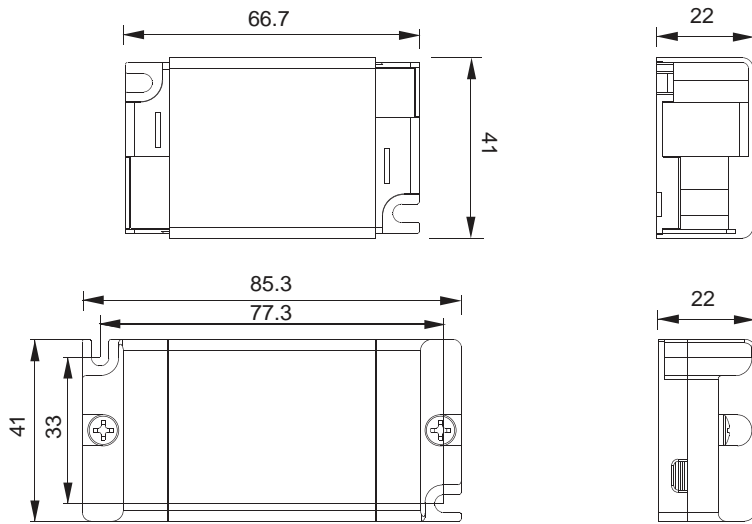
## Characteristics:

- Driver for built-in or independent use.
- Dimmable power supply for constant current LED lamp
- Active Power Factor Corrector.
- Used for lighting equipment in protection class I and II
- The output current of the power supply could be dimmed between 10%-100% by trailing edge or leading edge dimmers
- Open circuit, short circuit, over load protection
- Free flicker design

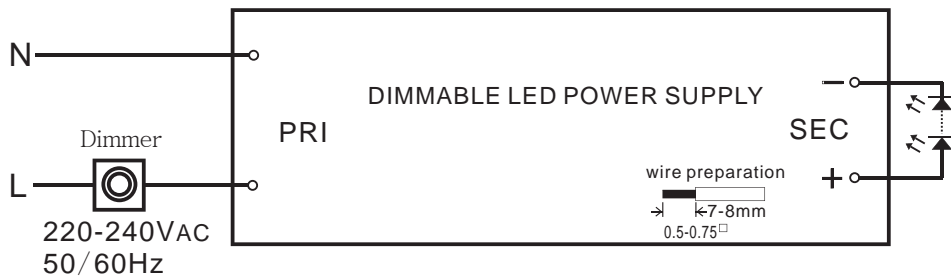
## Specifications :

Model	SLD15-300L-Es	SLD15-350L-Es	SLD15-500L-Es	
Output	turn on time(S)	≤0.5	≤0.5	≤0.5
	output current(mA)	300	350	500
	output current tolerance <sup>①</sup>	+/-5%	+/-5%	+/-5%
	ripple current(mA)	15	20	25
	working voltage range(V)	30-50	24-42	17-30
	Max. output voltage(V)	60	50	40
	dimming interface	Leading or Trailing Edge		
	dimming range	10-100%		
Input	rated supply voltage(Vac)	220-240	220-240	220-240
	voltage range(Vac)	198-264	198-264	198-264
	line frequency(Hz)	50/60	50/60	50/60
	input current(mA)	80	80	90
	efficiency <sup>②</sup>	83.0%	83.5%	80.0%
	power factor <sup>②</sup>	0.95	0.95	0.95
	inrush current(lpk)	1.9A/15us	1.9A/15us	1.9A/15us
Protection	over voltage protection	320Vac,1 hour		
	short circuit protection	In case of a short circuit on the secondary side,the ECG will switche off		
	over temperature protection	ECG switchs off if the temperature reaches a certain degree		
	automatic restart	ECG works in pulsed light output mode		
	over load protection	After elimination of the fault condition the ECG will recover automatically		
	surge capacity	L-N:0.5KV		
Ambient and Life	Ta(°C)	-25...50		
	Tc max. (°C)	85		
	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)	95		
	dimensions (L×W×H)(mm)	85.3x41x22/66.7x41x22		
	casing material	Plastic		
	housing colour	Grey+Blue		
	type of protection	IP20		
	protection class	CLASS II		
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, 25 of ambient temperature and no dimmer.  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:**

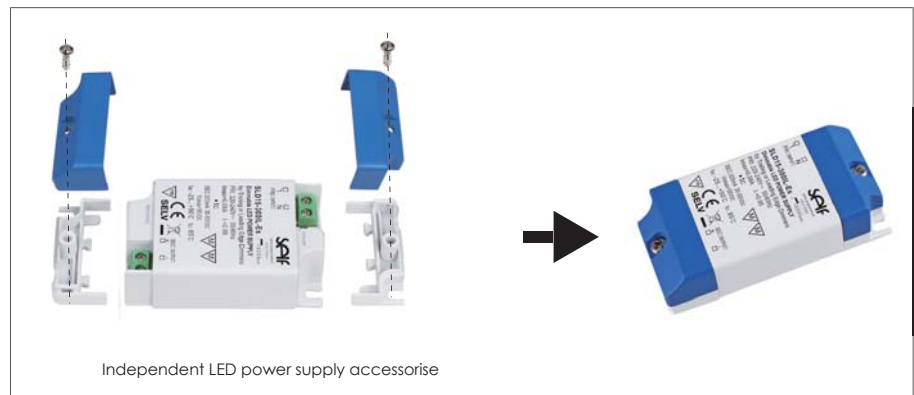


**Application:**

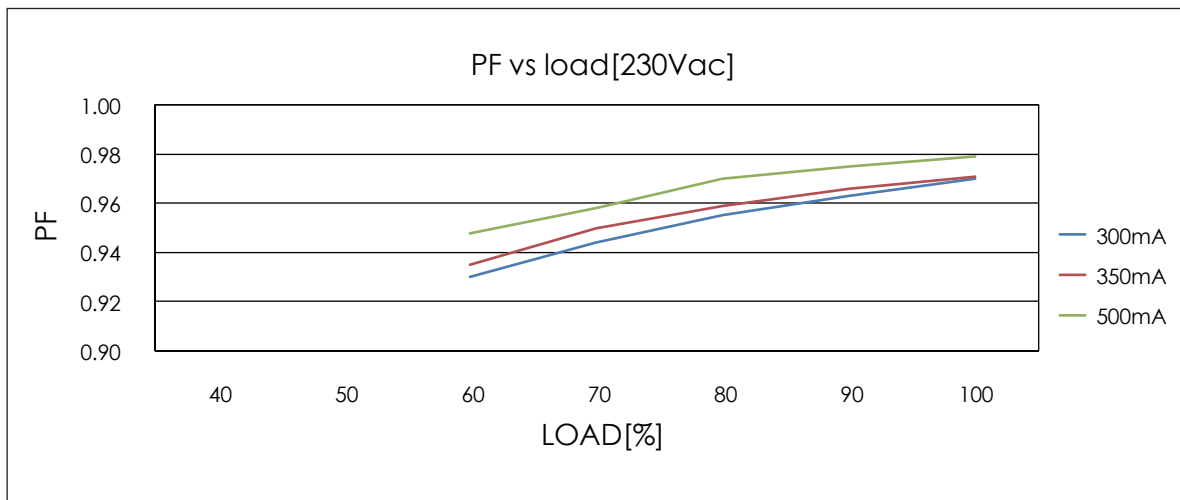
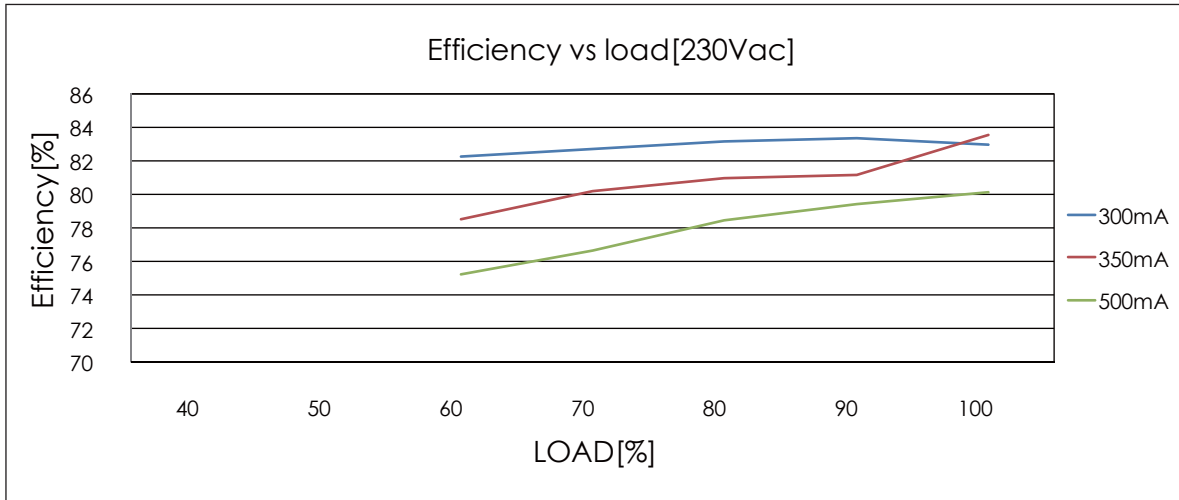
Built-in application



Independent application



Electrical curves:



## Dimmer list approved by SELF:

Manufacturer	Model
SELF	SD910
SELF	SD810
Busch	6523U
Ygonix	33594C
Legrand	VRCM2
Schneider	pure
SCHNEIDER	220V50Hz400W
Siemens	230V50Hz 400Wmax
T&J	220V 50Hz 630Wmax
CHNT	220V 50Hz 500Wmax
ABB	220V 50Hz 600Wmax
GIRA	2262 00/I01
Duwi	DW700DA
VIMAR	14150/14153
Panasonic	WMK549
JUNG	225 TDE
Busch	6513U
SIMON	45E101
PROSPERING	03-0059

If flickering was observed, please contact SELF sales for possible solution

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