

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 (300/350/500/700mA) connected in a series. With optional fittings, it can change from build-in use to independent application. 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

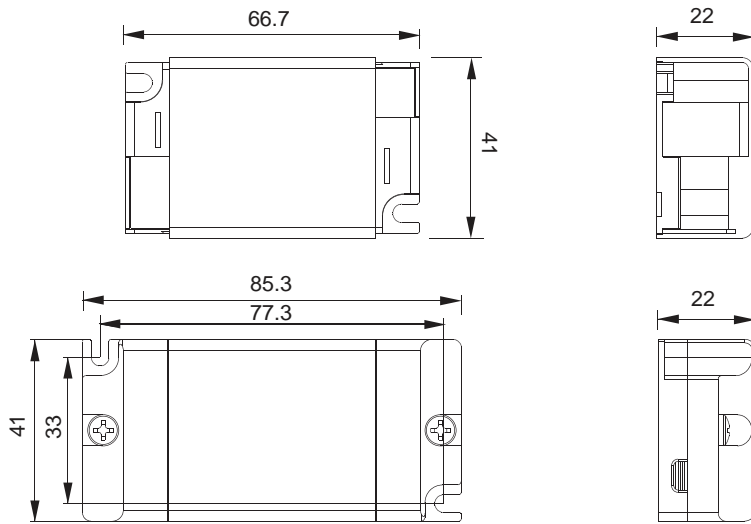
Characteristics:

- Driver for built-in or independent use.
- Dimmable power supply for constant current LED lamp
- 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
- Ripple free
- warranty: 5 years

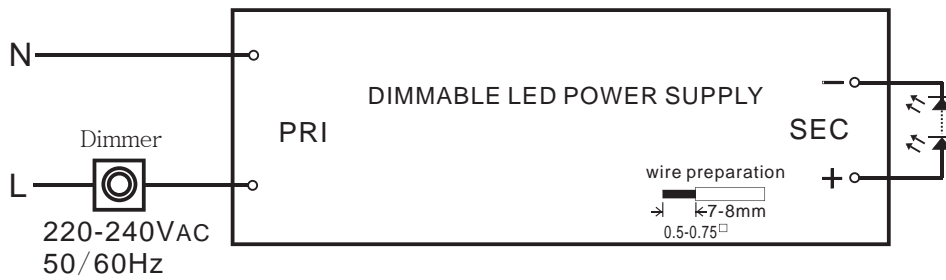
Specifications :

Model	SLD15-300IB-Es SLD15-300IL-Es	SLD15-350IB-Es SLD15-350IL-Es	SLD15-500IB-Es SLD15-500IL-Es	SLD15-700IB-Es SLD15-700IL-Es	
Output	turn on time(S)	≤0.5	≤0.5	≤0.5	≤0.5
	output current(mA)	300	350	500	700
	output current tolerance ^①	+/-5%	+/-5%	+/-5%	+/-5%
	ripple current(mA)	15	20	25	37
	working voltage range(V)	24-48	24-42	17-30	9-22
	Max. output voltage(V)	60	60	50	35
	dimming interface	Leading or Trailing Edge			
	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)	90	90	90	90
	efficiency ^②	80.8%	80.3%	80.4%	78.9%
	power factor ^②	0.95	0.95	0.95	0.95
	inrush current(lpk)	2A/17.7us	2A/17.7us	2A/17.7us	2A/17.7us
Protection	over voltage protection	320Vac, 1 hour			
	short circuit protection	In case of a short circuit on the secondary side, the ECG will switch off			
	over temperature protection	ECG switches 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 (LxWxH)(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.</p> <p>2. Tested at full load, 230Vac. Refer to "Power Factor" and "EFFICIENT" curve graphs.</p> <p>3. All parameters NOT specially mentioned are measured at nominal voltage input, rated load, 25 of ambient temperature and no dimmer.</p> <p>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:

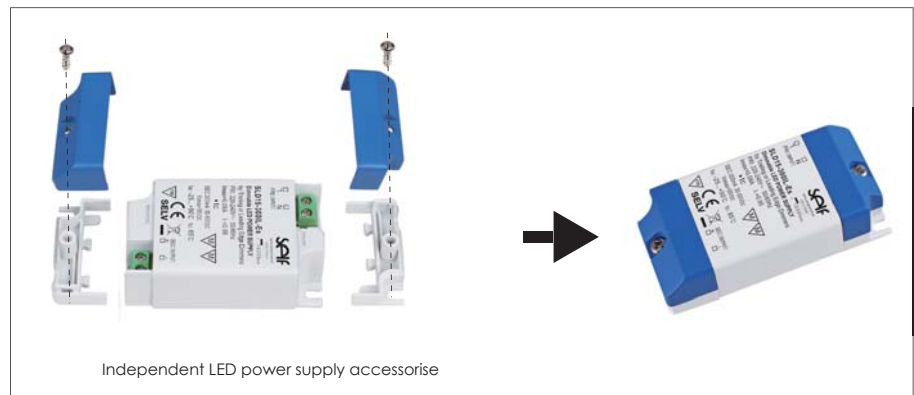


Application:

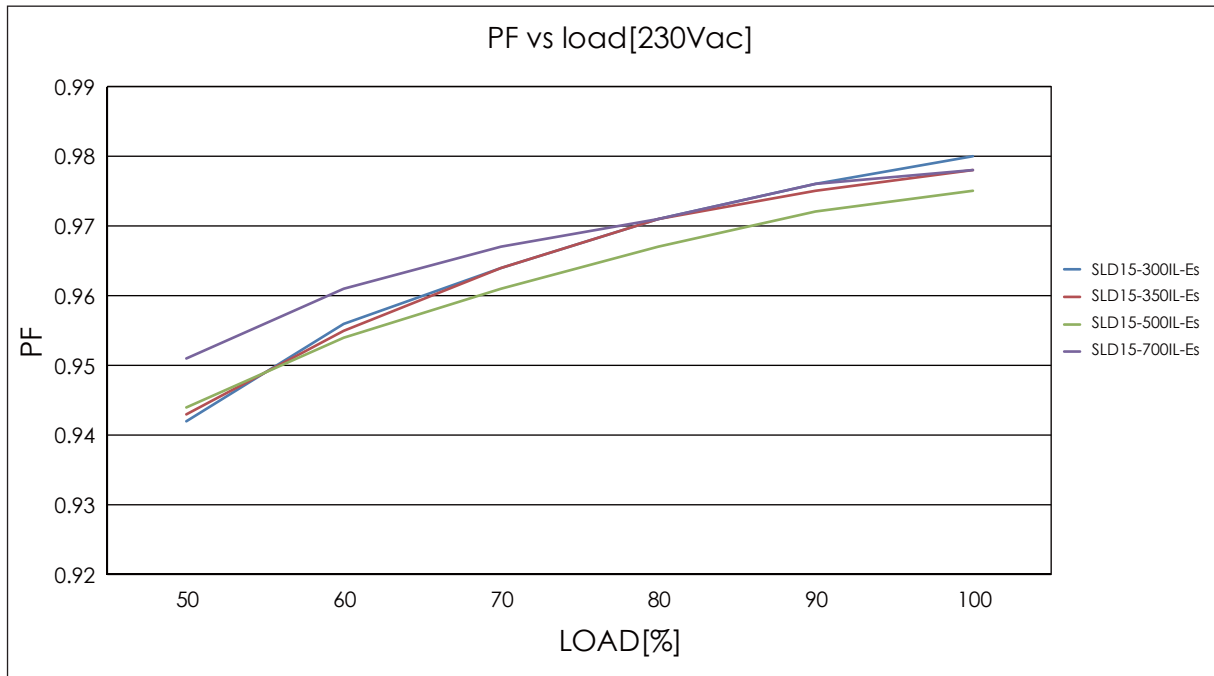
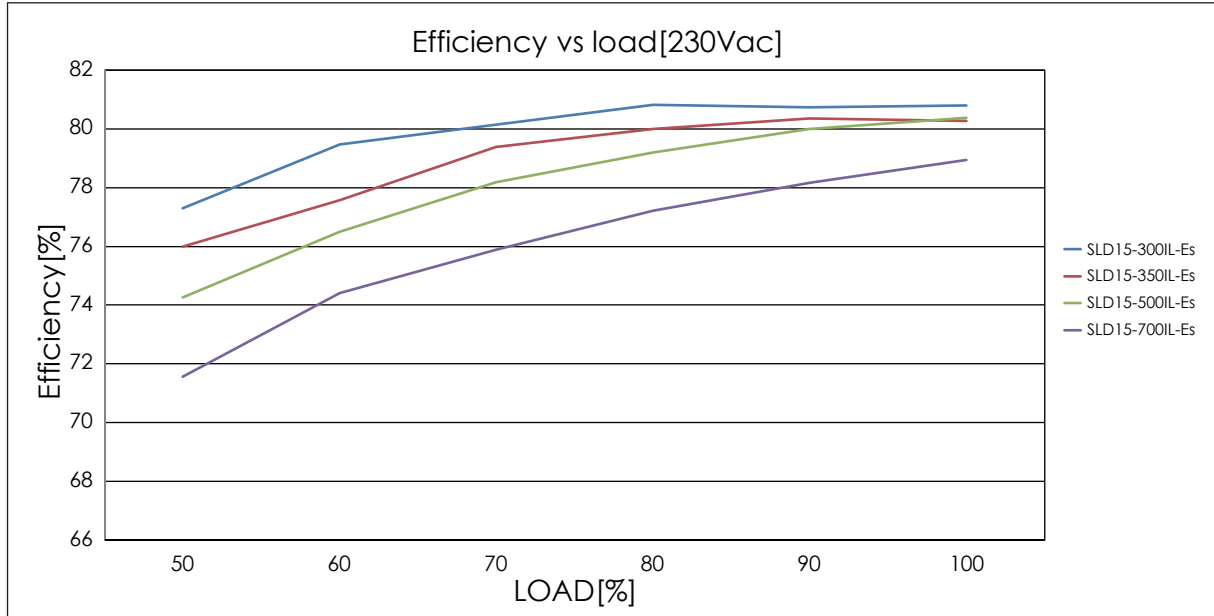
Built-in application



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