

Constant Current LED Power Supply

SLT45-1050IB-E(for build-in use)

SLT45-1050IL-E(for independent use)



Product description :

This type of power supply is an exclusively designed stabilized power supply for LED lamp, The output current can change from 700mA to 1050mA by dipswitch. The current is only 50mA. It meets SELV standard of preventing electric shock. Open circuit, short circuit, over load and over temperature Protection enhance the safety in processing.



Standards:

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

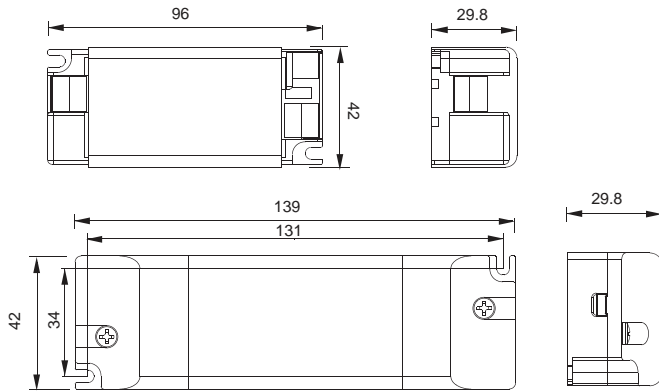
Characteristics:

- Built in use and independent use design
- It can be used for lighting equipment in protection class I and II.
- SELV output(<60V)
- Open circuit, short circuit, over load and over temperature protection.
- Auto restart after fault conditions removal
- Free flicker design
- Life time: 50,000h($t_a=45^\circ\text{C}$)
- Warranty: 5 years

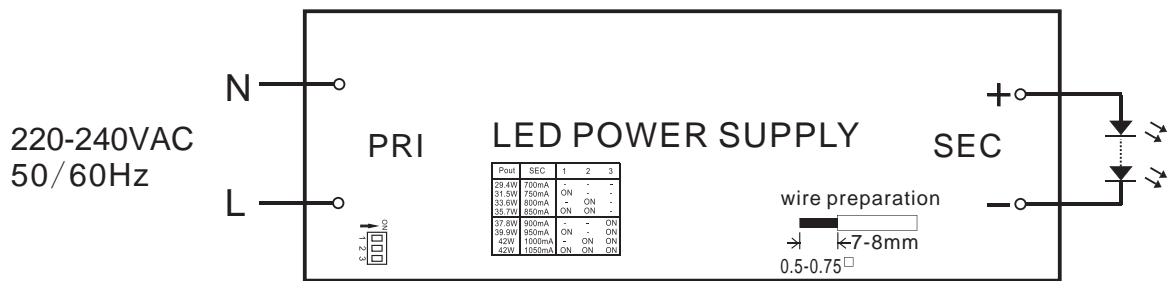
Specifications:

Model	SLT45-1050IB-E(for build-in use)	SLT45-1050IL-E(for independent use)
Output	turn on time(S) ¹	≤0.5
	output current(mA) ¹	700/750/800/850/900/950/1000/1050
	output current tolerance ²	+/-5%
	ripple current(mA) ³	<7%(I _{p-p})
	working voltage range(V)	30-42
	output power range(W)	21-42
	Max. output voltage(V)	50
	output safety rating	SELV
	dimming interface	No
	dimming range	n/a
Input	rated supply voltage(Vac)	220-240
	voltage range(Vac)	198-264
	line frequency(Hz)	50/60
	input current(mA)	Max.220
	input power(W) ¹	47
	efficiency ¹	90
	power factor ¹	0.95
	THD ¹	<20%
	inrush current(I _{pk}) ¹	17A/120uS
Protection	input over voltage protection	YES
	short circuit protection	YES
	over temperature protection	YES
	automatic restart	YES
	over load protection	YES
	surge capacity	L-N: 1kV
Ambient and Life	T _a (°C)	-25...+50
	T _c max. (°C)	85
	nominal life-time(hrs)	50'000@T _a =45 C
	guarantee(years)	5
	MTBF(hrs)	50'0000
	Storage Temperature(°C)	-30...80
	ambient humidity range	5%...85%RH, Not condensing
Other	audible noise(dB)	<20dBA
	weight(g)	124/148
	dimensions (LxWxH)(mm)	96×42×29.8/139×42×29.8
	casing material	Plastic
	housing colour	Grey/Grey and blue
	connecting method	PUSH Terminal block
	type of protection	IP20
protection class	ClassII	
Note	1. At 230Vac,50Hz,full load. 2. Tolerance:includes set up tolerance,line regulation and load regulation. 3. At 230Vac,50Hz,LED load.	

Dimensions(mm):



Wiring diagram:

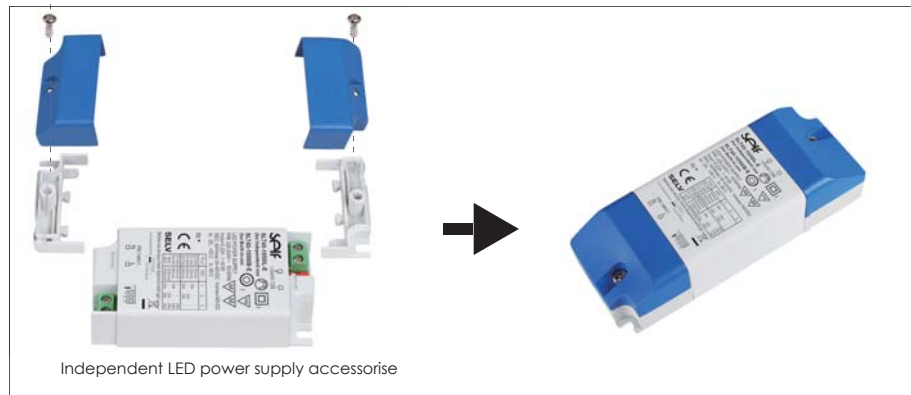


Application:

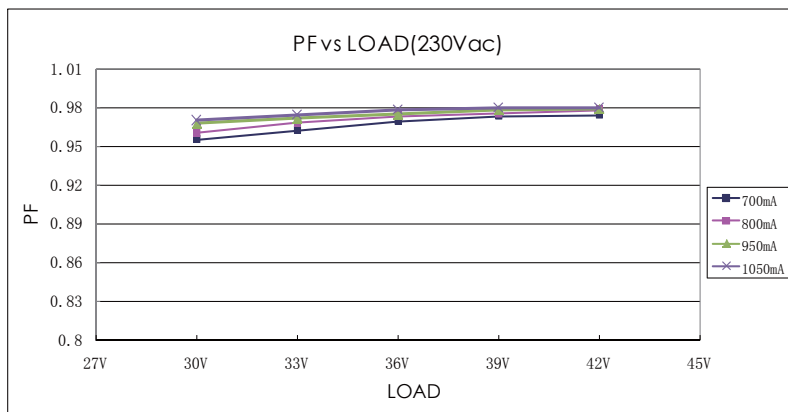
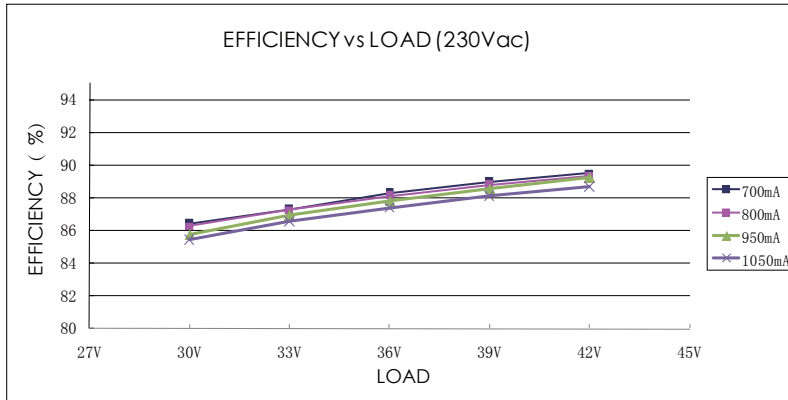
Built-in application



Independent application



Electrical curves:



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