

Constant Current LED Power Supply

SLT25-350ILE-E

SLT25-500/700ILE-E



Product description:

This series was designed for compromise between an attractive price and high performance, which meets SELV standard of preventing electric shock. Protection of open circuit, short circuit, over load and over temperature increased safety in processing. Low standby power consumption complies with ERP directives. Optimized electric circuit design brings cost-effectiveness.



Standards:

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

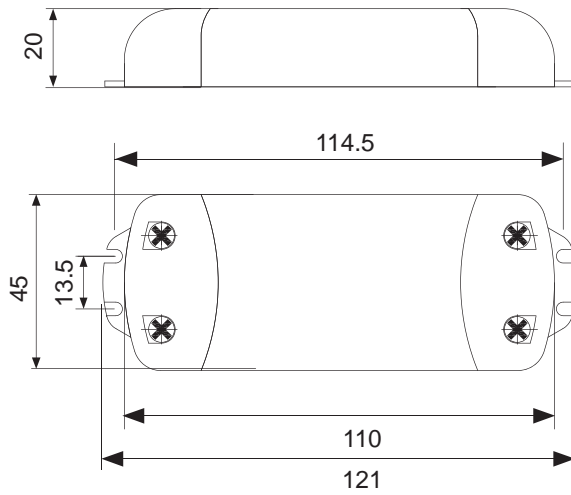
Characteristics:

- Independent power supply for constant current LED lamp
- Terminal block for quick connection
- Class II protection against electric shock from direct and indirect contact
- SELV output
- Fast start-up time $\leq 0.5s$
- Open circuit, short circuit, over load and over temperature protection
- Auto restart after fault conditions removal
- Efficiency 89% (AC230V, full load)
- ECO design, comply with ERP directives

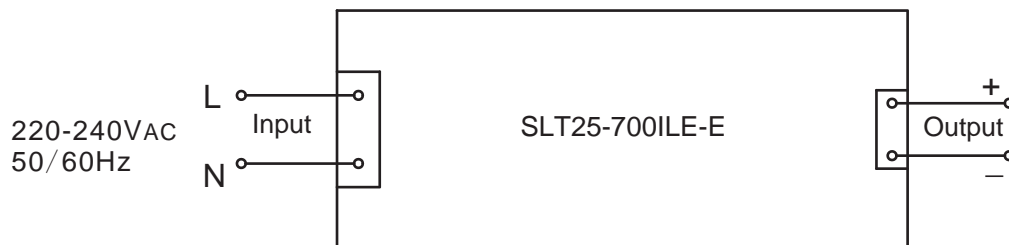
Specifications:

Model	SLT25-350ILE-E	SLT25-500ILE-E	SLT25-700ILE-E	
Output	turn on time(S)	≤0.5	≤0.5	≤0.5
	output current(mA)	350	500	700
	output current tolerance ¹	+/-5%	+/-5%	+/-5%
	ripple current(mA)	320(Ip-p)	420(Ip-p)	725(Ip-p)
	working voltage range(V)	28-70	18-50	16-36
	Max. output voltage(V)	<80	<58	<48
	dimming interface	No		
	dimming range	n/a		
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)	130	130	130
	efficiency ²	87.1%	88.4%	89.1%
	power factor ²	0.90	0.90	0.90
	inrush current(Ipk)	35A/250us	35A/250us	35A/250us
Protection	over voltage protection	320Vac, 1 hours.		
	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: 500V		
Ambient and Life	Ta(°C)	-20...45		
	Tc max. (°C)	80		
	Storage Temperature(°C)	30'000@Tc=80 C		
	ambient humidity range	-30...80		
	nominal life-time(hrs)	5%...85%RH, Not condensing		
Other	weight(g)	78		
	dimensions (LxWxH)(mm)	121x45x20		
	casing material	Plastic		
	housing colour	Grey+Blue		
	type of protection	IP20		
	protection class	CLASSII		
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 and 25 of ambient temperature.</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>			

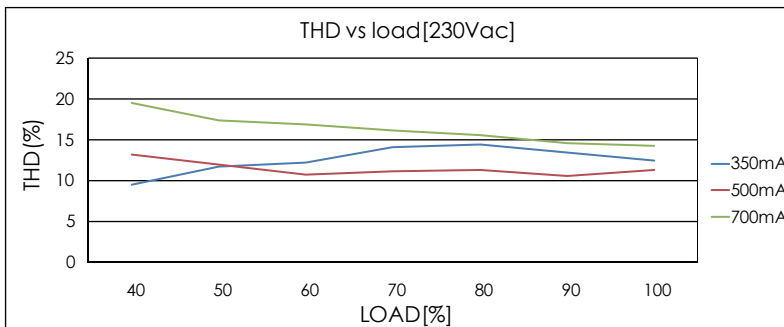
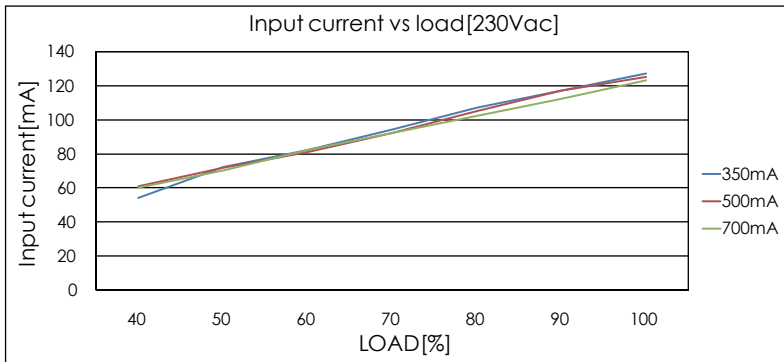
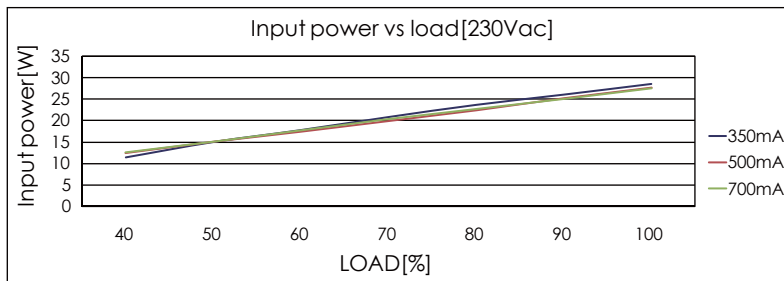
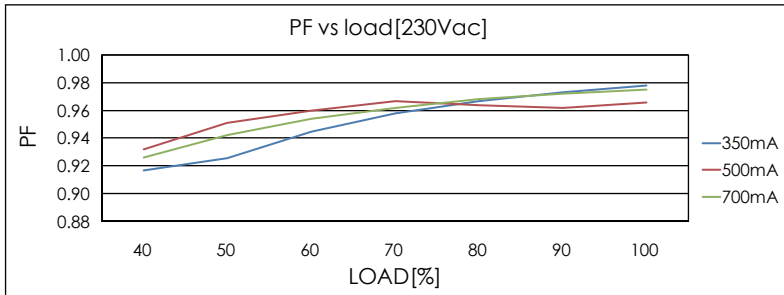
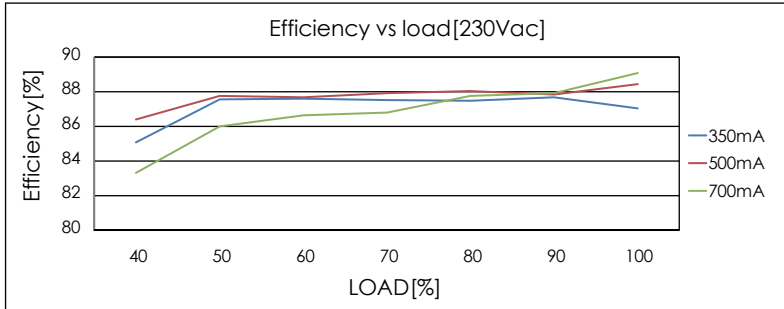
Dimensions(mm):



Wiring diagram:



Electrical curves:



Sales & Technical Support:

Bright Green Connect Limited

Unit 3, Oyster Park
Byfleet
Surrey
KT14 7AX

☎ +44 (0) 1932 497992

✉ contact@brightgreenconnect.com

🌐 brightgreenconnect.com

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