Exista POWER SUPPLIES
Undermülistrasse 16 CH-8320 Fehraltorf
Tel. +41 43 204 01 01 sales@exista.ch
Fax +41 43 204 01 02 www.exista.ch

Constant Voltage LED Power Supply

SLT60-12VLG-E
SLT60-24VLG-E



Product description:

It is designed for compromise between an attractive price and high performance, which meets SELV standard of preventing electric shock. Open circuit, short circuit, over load and over temperature Protection enhance the 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:

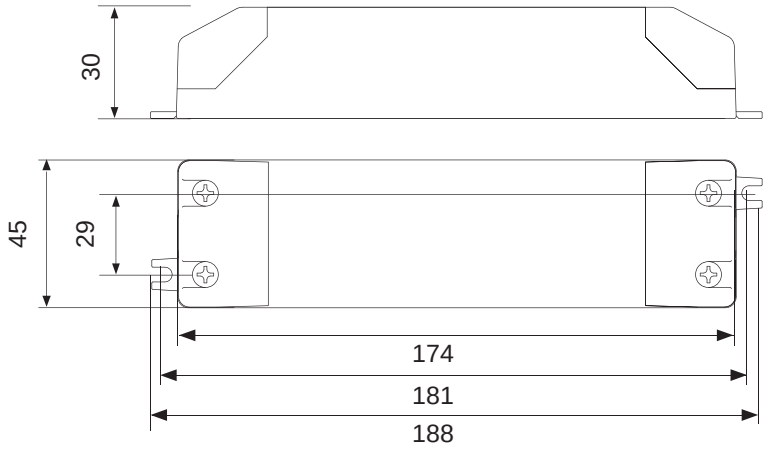
- Independent power supply for constant voltage LED lamp
- Terminal block for quick connection
- Class II protection against electric shock from direct and indirect contact
- SELV output
- Fast start-up time ≤0.5s
- No load power consumption ≤0.3W
- Open circuit，short circuit，over load and over temperature protection
- Auto restart after removal of fault conditions
- High efficiency 89%
- ECO design, compliance with ERP directives
- Guarantee: 5 Years

Think Life Enjoy Light

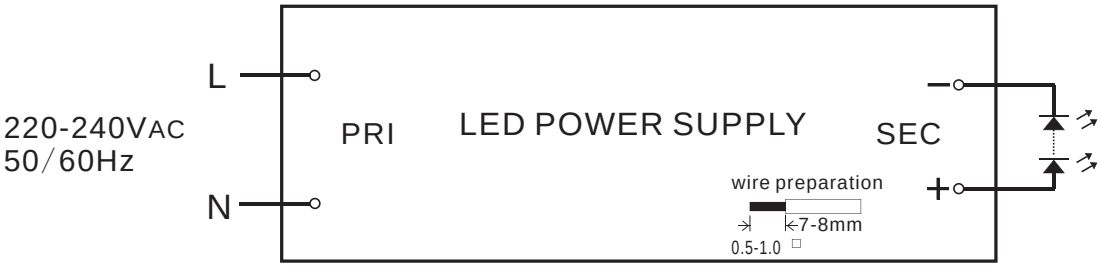
Specifications:

Model		SLT60-12VLG-E	SLT60-24VLG-E
Output	turn on time(S)[1]	≤0.5	≤0.5
	output power(W)[1]	60	60
	output votage(V)	12	24
	output voltage tolerance[2]	+/-5%	+/-5%
	ripple voltage	90mVp-p	40mVp-p
	working current range(A)	0-5	0-2.5
	output safety rating	SELV	SELV
	dimming interface	No	No
	dimming range	n/a	n/a
Input	rated supply voltage(Vac)	220-240	220-240
	voltage range(Vac)	198-264	198-264
	line frequency(Hz)	50/60	50/60
	input current(mA)	300	300
	input power(W)[1]	69	68
	efficiency[3]	87.8%	89.0%
	average efficiency[4]	82.8%	86.7%
	no load power consumption(W)[1]	≤0.3	≤0.3
	power factor[3]	0.95	0.95
	THD[3]	12%	12%
	inrush current(Ipk)	35A/250us	35A/250us
Protection	input 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 switchs off if the temperature reaches a certain degree.	
	over load protection	ECG works in pulsed light output mode.	
	automatic restart	After elimination of the fault condition the ECG will recover automatically.	
	surge capacity	L-N: 1KV	
Ambient and Life	Ta(℃)	-20...+45	-20...+50
	Tc max.(℃)	90	85
	nominal life-time(hrs)	30'000@Tc=90℃	30'000@Tc=85℃
	Storage Temperature(℃)	-30...80	
	ambient humidity range	5%...85%, Not condensing	
Other	weight(g)	260	
	dimensions (LxWxH)(mm)	188×45×30	
	casing material	plastic	
	housing colour	Grey+Blue	
	connecting method	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,full load.Refer to EFFICIENT Power Factor and THD curve graphs. 4. Calculate the model's average efficiency for each test voltage by testing at 100%, 75%, 50%, and 25% of rated current and then computing the simple arithmetic erage of these four values.		

Dimensions(mm):



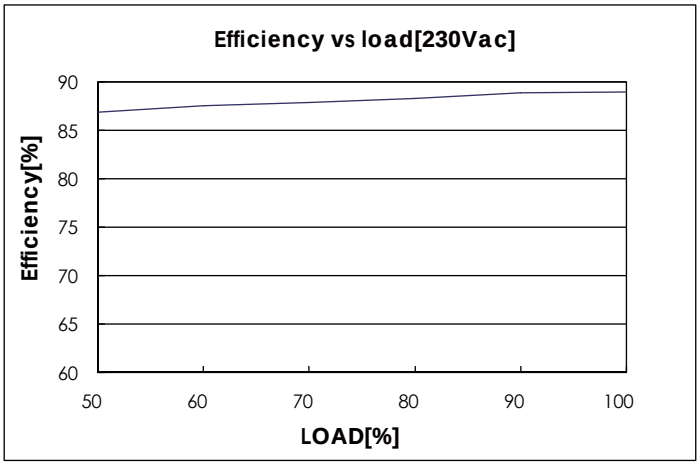
Wiring diagram:

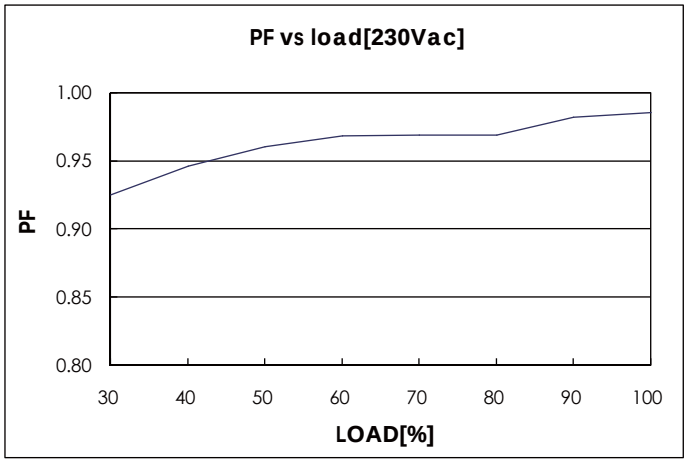


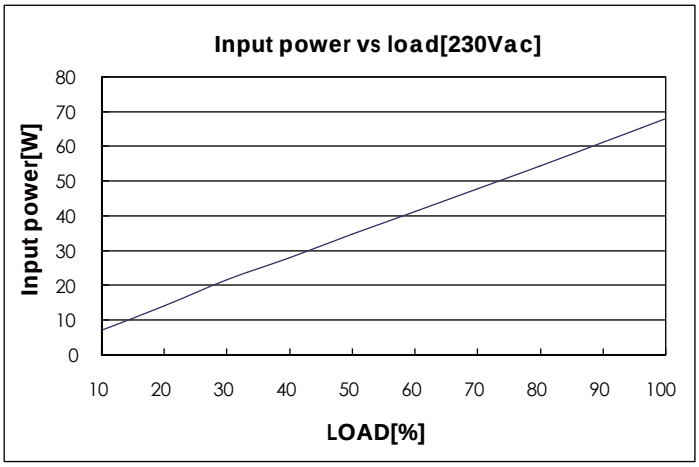
Packing information:

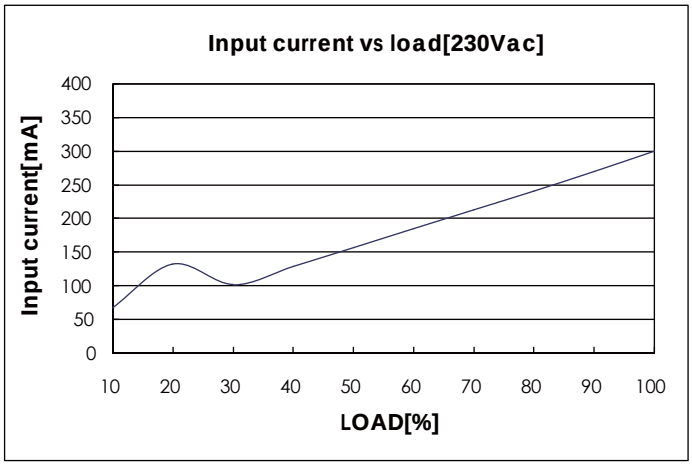
packing carton(pcs)	**25**
gross weight per carton(Kg)	**6.5**
packing size(L×W×H)(CM)	**27×22.5×22**

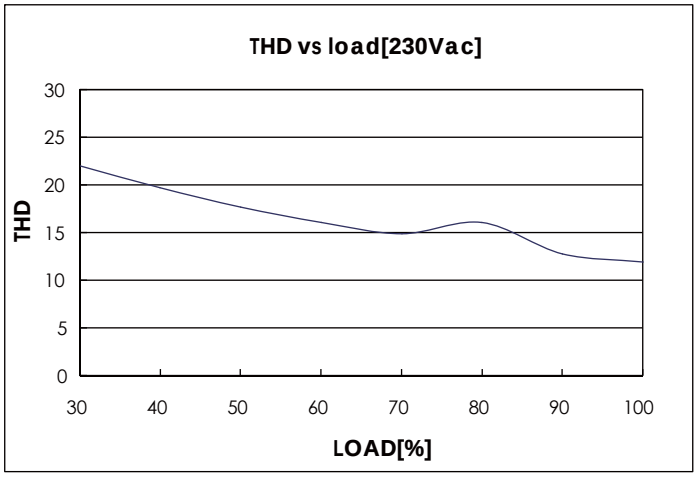
Electrical curves:

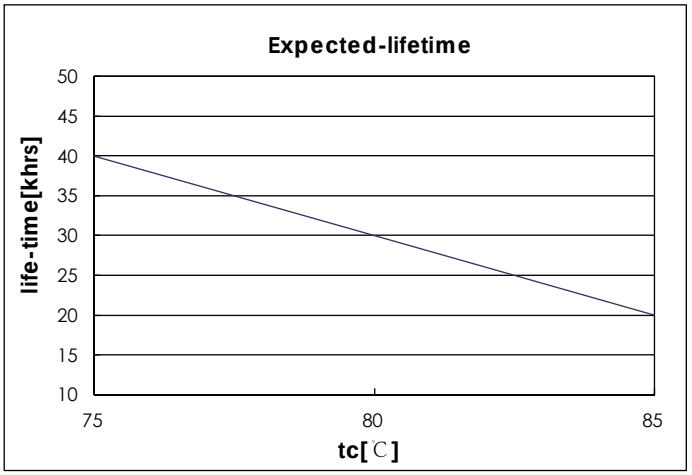












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