

# Constant Current LED Power Supply

## SLT60-1250IC-E



### Product description:

Advanced design for outdoor CC series: metal housing, waterproof and potted by glue. World-class component supplier and simplified circuit design increased reliability of LED luminaires. Direct constant current function brings more convenience for outdoor applications.

### Standards:

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

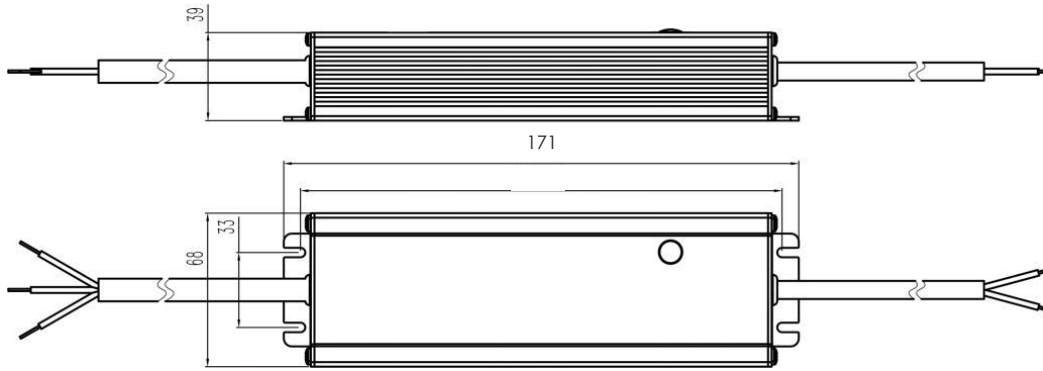
### Characteristics:

- Independent power supply for constant current LED lamp
- IP65 design for waterproofing application
- Class I protection against electric shock from direct and indirect contact
- SELV output(<60V)
- Open circuit, short circuit, over load and over temperature protection
- Output current adjustable by potentiometer from 1 to 2A
- Auto restart after fault conditions removal
- Meet L-N 2kV and L-PE/N-PE 4kV surge immunity level
- Efficiency:89% (230Vac, full load)

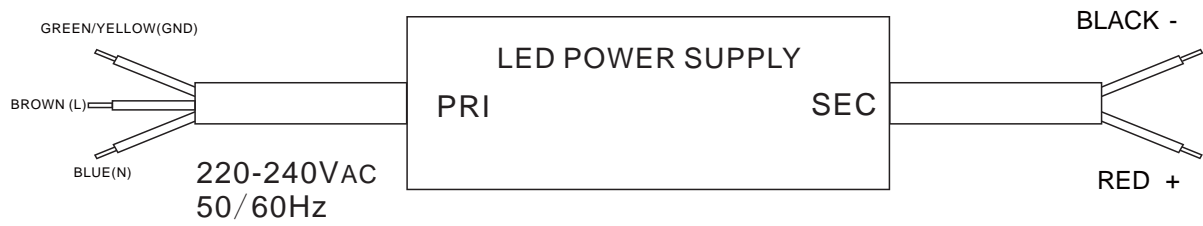
## Specifications:

Model	SLT60-1250IC-E	
Output	turn on time(S)	≤0.5
	output current(A)	1-2
	output current tolerance <sup>1</sup>	adjustable by potentiometer
	ripple current(mA)	200
	working voltage range(V)	28~48
	Max. output voltage(V)	< 60
	Max. output power(W)	60
	dimming interface	n/a
Input	rated supply voltage(Vac)	AC220~240V
	voltage range(Vac)	AC198-264V
	line frequency(Hz)	50/60Hz
	input current(mA) <sup>2</sup>	340
	efficiency <sup>3</sup>	89%
	power factor <sup>3</sup>	0.95
	inrush current(Ipk)	≤20/15uS
Protection	over voltage protection	YES
	short circuit protection	YES
	over temperature protection	YES
	automatic restart	YES
	over load protection	YES
	surge capacity	L-N:2KV,L,N-PE:4KV
Ambient and Life	Ta(°C)	-20-50
	Tc max. (°C)	75
	Storage Temperature(°C)	-30...80
	ambient humidity range	5%...85%, Not condensing
	nominal life-time(hrs)	50000@Tc=75 C
Other	weight(g)	780
	dimensions (L×W×H)(mm)	171X68X39
	casing material	aluminum
	housing colour	silver
	type of protction	IP65
	protection class	ClassI
Note	<p>1.Tolerance : includes set up tolerance, line regulation and load regulation.  2.The input current is measured at full load,100Vac.  3.Tested at full load,230Vac.Refer to"Power Factor" and "EFFICIENT"curve graphs.  4.All parameters NOT specially mentioned are measured at nominal voltage input, rated load and 25 of ambient temperature.  5.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/inches):



Wiring diagram:



## Sales & Technical Support:

### **Self Electronics Co.,Ltd.**

Add: No. 1345 Ju Xian Road, Ningbo Hi Tech Park, Ningbo,  
China

Tel: 0086-574-28805765,28805658(For English Assistance)

0086-574-28805678 (For Chinese Assistance)

Fax: 0086-574-28805656

E-mail: sales@self-ecg.com

<http://www.self-ecg.com>

### **SELF ELECTRONICS GERMANY GMBH**

Add:August-Horch-Str. 7,51149 Koeln

Tel: 0049 2203 18501-0

Fax: 0049 2203 18501-199

E-mail: saleseu@self-electronics.com

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