

Constant Current LED Power Supply

SLT100-2850IC-E

SLT150-2880IC-E

SLT200-3850IC-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

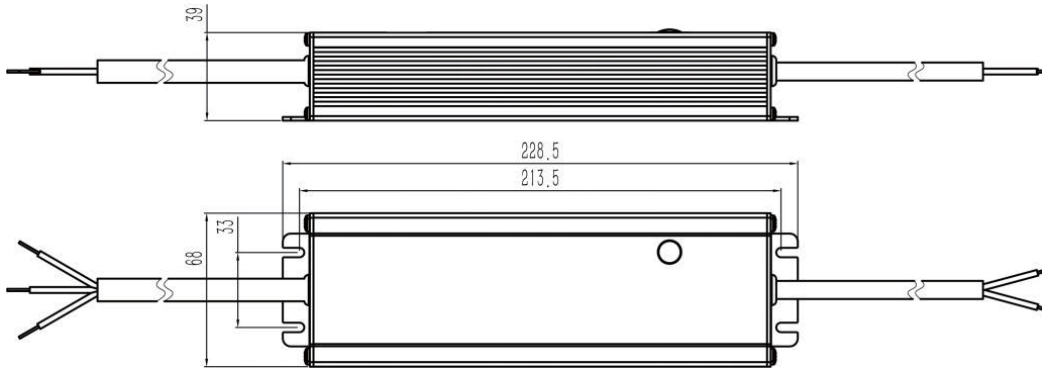
Characteristics:

- 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 (<math>< 60V</math>)
- Open circuit, short circuit, over load and over temperature protection
- Output current adjustable by potentiometer from 2 to 5.2A
- Auto restart after fault conditions removal
- Meet L-N 2kV and L-PE/N-PE 4kV surge immunity level
- Efficiency: 92% (230Vac, full load)

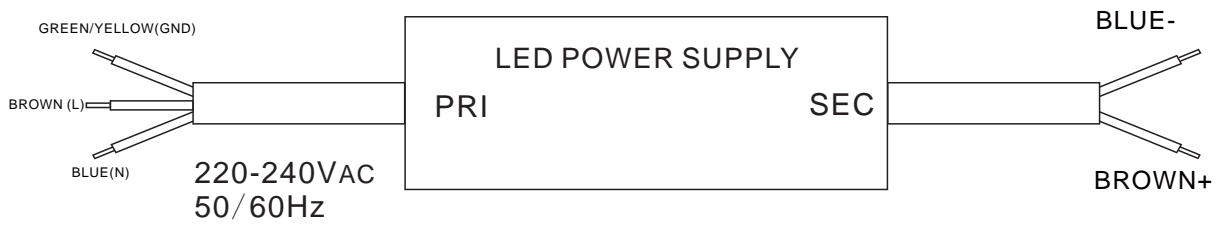
Specifications:

Model	SLT100-2850IC-E	SLT150-2880IC-E	SLT200-3850IC-E	
Output	turn on time(S)	≤0.5	≤1	≤1
	output current(A)	1-3	2-5.2	2-5.2
	output current tolerance ¹	adjustable by potentiometer	adjustable by potentiometer	adjustable by potentiometer
	ripple current(mA)	100	200	200
	working voltage range(V)	23-35	20-51	20-51
	Max. output voltage(V)	≤37	53	53
	Max. output power(W)	100	150	200
	dimming interface		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) ²	600	800	1000
	efficiency ³	90%	92%	92%
	power factor ³	0.95	0.95	0.95
	inrush current(lpK)	≤50/15uS	50A/11uS	58A/11uS
Protection	over voltage protection	YES	YES	YES
	short circuit protection	YES	YES	YES
	over temperature protection	YES	YES	YES
	automatic restart	YES	YES	YES
	over load protection	YES	YES	YES
	surge capacity	L-N:2KV,L,N-PE:4KV	L-N:2KV,L,N-PE:4KV	L-N:2KV,L,N-PE:4KV
Ambient and Life	Ta(°C)	-20...50	-20...60	-20...60
	Tc max. (°C)	80	85	90
	Storage Temperature(°C)	-30...80		
	ambient humidity range	5%...85%, Not condensing		
	nominal life-time(hrs)	50000@Tc=80 C	50000@Tc=85 C	50000@Tc=90 C
Other	weight(g)	1075	1075	1075
	dimensions (L×W×H)(mm)	228.5×68×39		
	casing material	aluminum		
	housing colour	silver		
	type of protection	IP65		
	protection class	Class I		
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>			

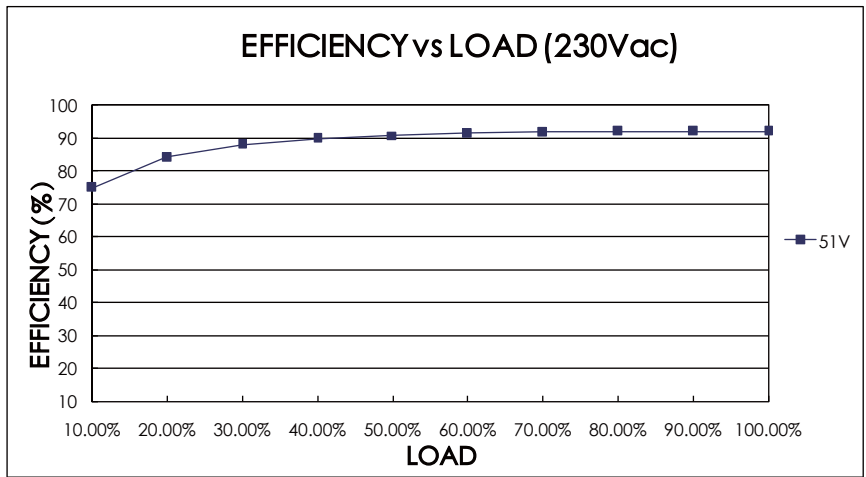
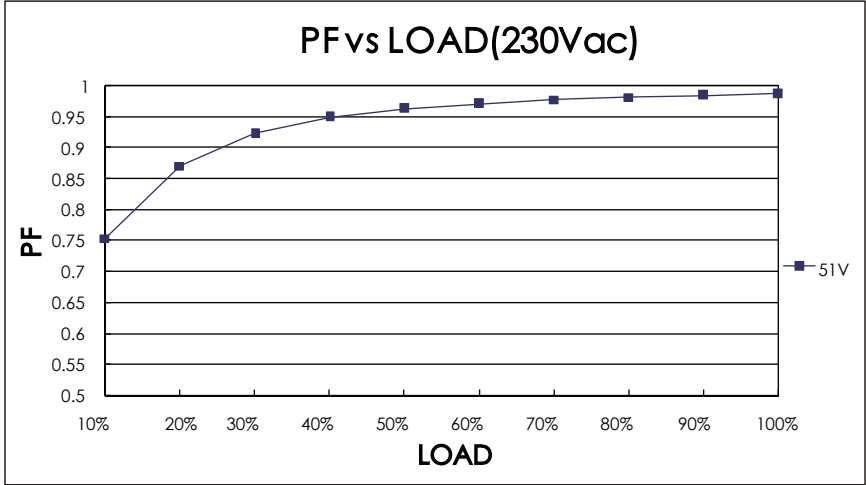
Dimensions(mm/inches):



Wiring diagram:



Electrical curves:



note
For constant current power supply,"LOAD" means the percentage of the maximum rated output voltage.
For constant voltage power supply,"LOAD" means the percentage of the maximum rated output current.

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