

Constant Current LED Power Supply DALI or PUSH Dimmable

SLD60-800IBD-E(500mA,600mA,700mA,800mA)

DALI dimmable



Product description:

This type of power supply is an exclusively designed stabilized power supply for LED lamp. With constant current (CC) technology, it is suitable for constant current lamps connected in a series. According to the switches selection, four current for choosing: 500mA, 600mA, 700mA, and 800mA. The output current of the converter could be dimmed between 5%-100% by DALI or PUSH DIM (with memory function).

The built-in protection circuit will shut down the power supply in case of such faults as: open circuit, short circuit, over load or over temperature. The power supply will restart automatically after fault correction.

Standards:

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

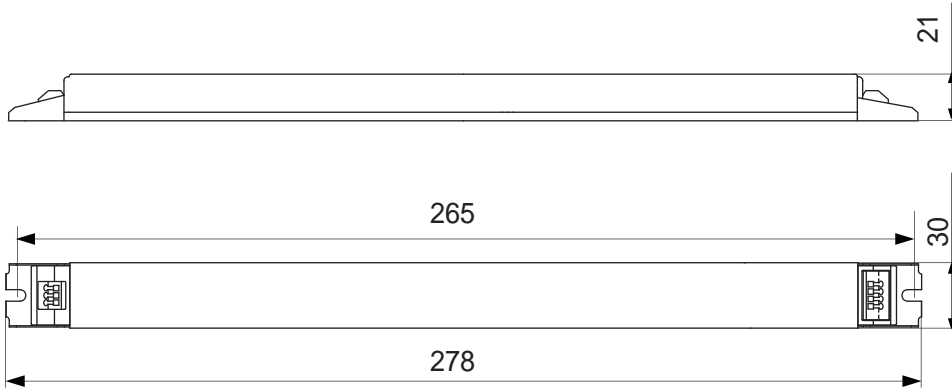
Characteristics:

- Metal house power supply for constant current LED lamp.
- Adjustable output current (According to the switches selection or DALI)
- Quick connection terminal for wire cross selection 0.5-0.75mm²
- Class I protection against electric shock from direct and indirect contact
- 5-100% dimming range by DALI or PUSH DIM (with memory function)
- Open circuit, short circuit, over load and over temperature protection
- Auto restart after fault conditions removal
- Efficiency: 88.5% (AC230V, full load)
- Warranty: 5 Year

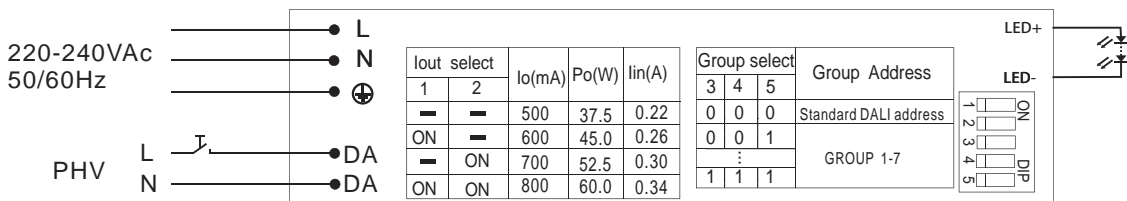
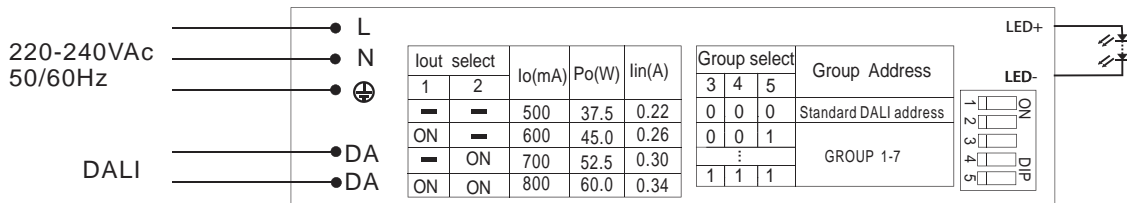
Specifications:

Model		SLD60-800IBD-E(500mA,600mA,700mA,800mA)			
Output	turn on time(S)	≤0.5	≤0.5	≤0.5	≤0.5
	output current(mA)	500	600	700	800
	output current tolerance ^①	+/-7%	+/-7%	+/-7%	+/-7%
	ripple current(mA)	50(l _{p-p})	60(l _{p-p})	70(l _{p-p})	120(l _{p-p})
	working voltage range(V)	10-75	10-75	10-75	10-75
	Max. output voltage(V)	90	90	90	90
	dimming interface	DALI or PHV			
	dimming range	5%-100%			
Input	rated supply voltage(Vac)	220-240	220-240	220-240	220-240
	voltage range(Vac)	198-264	198-264	198-264	198-264
	line frequency(Hz)	50/60	50/60	50/60	50/60
	input current(mA)	220	260	300	340
	efficiency ^②	88.4%	88.5%	88.3%	88.3%
	power factor ^②	0.95	0.95	0.95	0.95
	inrush current(lpk)	10A/25us	10A/25us	10A/25us	10A/25us
Protection	over voltage protection	YES	YES	YES	YES
	short circuit protection	YES	YES	YES	YES
	over temperature protection	YES	YES	YES	YES
	automatic restart	YES	YES	YES	YES
	over load protection	YES	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	L-N: 2KV,L,N-PE: 4KV
Ambient and Life	Ta(°C)	-20...50			
	Tc max. (°C)	80			
	Storage Temperature(°C)	-30...80			
	ambient humidity range	5%...85%, Not condensing			
	nominal life-time(hrs)	50'000@Tc=75 °C			
	failure rate	0.1%/1000h			
	guarantee	5-year			
Other	weight(g)	205			
	dimensions (LxWxH)(mm)	278×30×21			
	casing material	metal			
	housing colour	White			
	type of protection	IP20			
	protection class	CLASS I			
Note	<p>1.Tolerance : includes set up tolerance, line regulation and load regulation. 2.Tested at full load,230Vac.Refer to"Power Factor" and "EFFICIENT"curve graphs. 3.All parameters NOT specially mentioned are measured at nominal voltage input, rated load, 25 of ambient temperature and no dimmer. 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>				

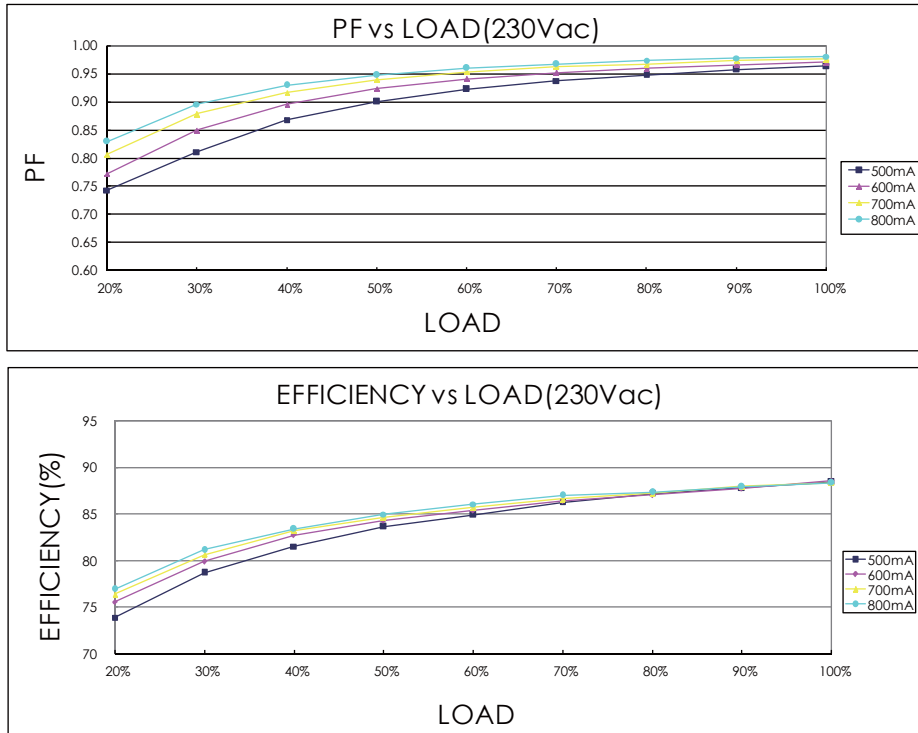
Dimensions(mm):



Wiring diagram:



Electrical curves:



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.