

Constant Current LED Power Supply DALI Dimmable

SLD80-350ILD-EU

DALI Dimmable



Standards:

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

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, the output current can change from 200mA to 350mA. The current step is 10mA. 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, over load or over temperature. The power supply will restart automatically after fault correction.

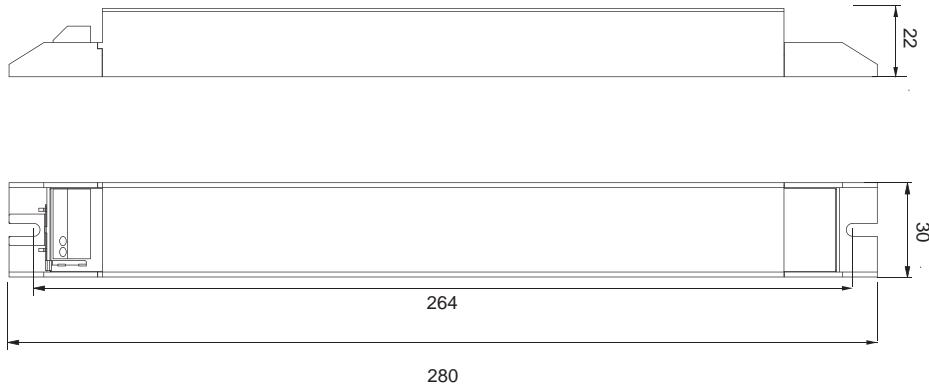
Characteristics:

- Free flicker design
- Non-isolated design have high performance/cost ratio
- Adjustable output current (According to the switches selection or DALI)
- Quick connection terminal for wire cross selection 0.5-0.75mm²
- Class II protection against electric shock from direct and indirect contact
- 5-100% dimming range by DALI or PUSH DIM (with memory function)
- Open circuit, over load and over temperature protection
- Auto restart after fault conditions removal
- Efficiency: 93.4% (AC230, full load)
- Life time: 50,000h (ta=50°C)
- Warranty: 5 years

Specifications:

Model		SLD80-350ILD-EU																
Output	turn on time(S)	≤0.5																
	output current(mA)	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	
	output current tolerance ^①	+/-5%																
	ripple current(mA)	61 (lp-p)	67 (lp-p)	69 (lp-p)	74 (lp-p)	78 (lp-p)	82 (lp-p)	87 (lp-p)	93 (lp-p)	100 (lp-p)	104 (lp-p)	107 (lp-p)	111 (lp-p)	118 (lp-p)	122 (lp-p)	125 (lp-p)	130 (lp-p)	
	working voltage range(V)	115-270	110-270										110-266	110-258	110-250	110-242	110-235	110-228
	Max. output voltage(V)	410																
	dimming interface	DALI or PHV																
	dimming range	5%-100%																
Input	rated supply voltage(Vac)	220-240																
	voltage range(Vac)	198-264																
	line frequency(Hz)	50/60																
	input current(mA)	280	295	310	320	335	350	360	375	390	400	410	410	410	410	410	410	
	efficiency ^②	92.0%	92.0%	92.2%	92.5%	92.7%	92.8%	92.9%	93.1%	93.2%	93.4%	93.4%	93.4%	93.3%	93.2%	93.1%	93.1%	
	power factor ^②	0.95																
	inrush current(lp-k)	40A/140us																
Protection	over voltage protection	YES																
	short circuit protection	NO																
	over temperature protection	YES																
	automatic restart	YES																
	over load protection	YES																
	surge capacity	L-N: 1KV L,N-PE: 2KV																
Ambient and Life	Ta(°C)	-20...50																
	Tc max. (°C)	85																
	audible noise(dB)	20																
	Storage Temperature(°C)	50'000@Tc=85°C																
	ambient humidity range	-30...80																
	nominal life-time(hrs)	5%...85%RH, Not condensing																
Other	weight(g)	230																
	dimensions (LxWxH)(mm)	280x30x22																
	casing material	plastic																
	housing colour	grey																
	type of protection	IP20																
	protection class	CLASS II																
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>																	

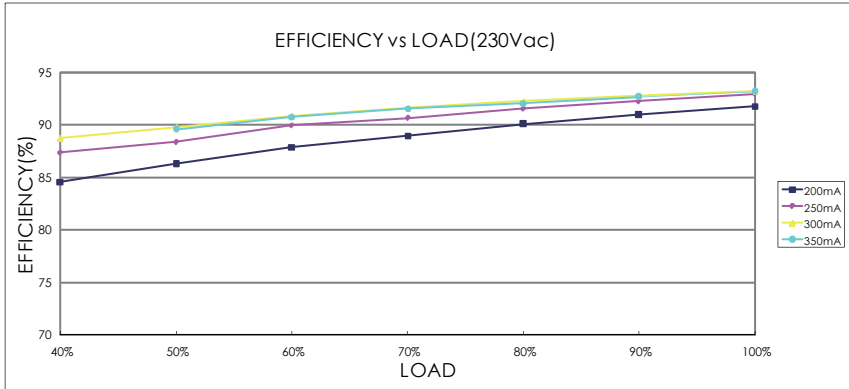
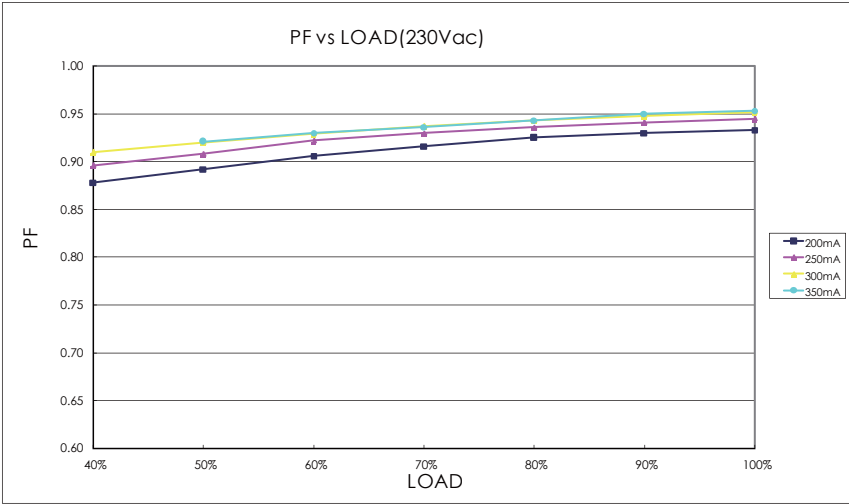
Dimensions(mm):



Wiring diagram:



Electrical curves:



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.

Sales & Technical Support:

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