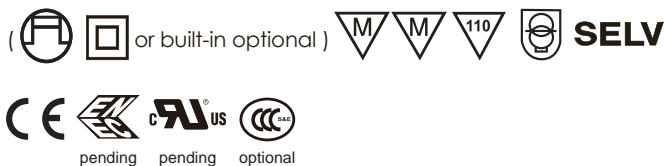


Constant Current LED Power Supply

SLD35-1000IBA-UN1 (for build-in use)

SLD35-1000ILA-UN1 (for independent use)



Product description:

This type of compact constant current power supply with 110-277Vac input voltage has very high efficiency and low power loss.

Designed with high power factor and ripple free, it can be used either built-in or independently. The output current can be set by the DIP switch, and the output current can be switched every 50mA from 250mA to 1000mA.

With 0/1-10V dimming technology, this power supply can be dim from 1%-100%

It conforms to SELV standard and the built-in protection circuit will shut down the converter in case of such faults as: open circuit, short circuit, over load, over temperature protection. 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
UL1310
FCC 15B
EN62386:101,102,20
7 Version2

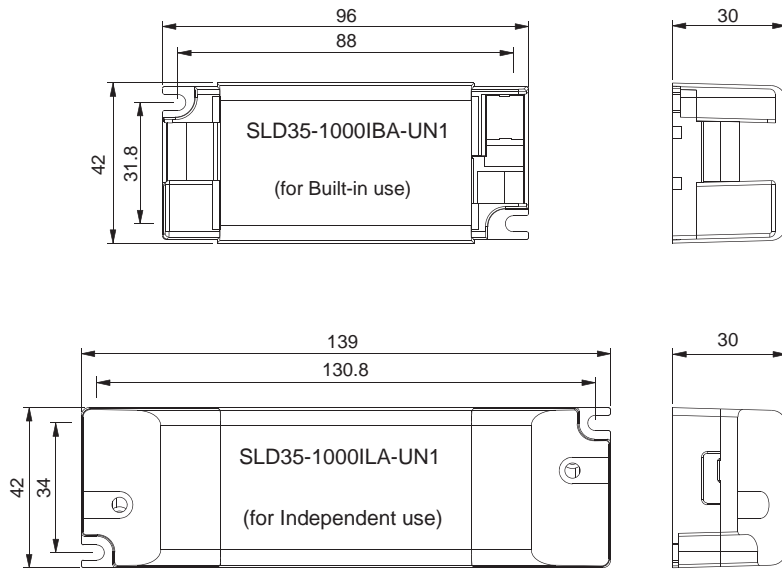
Characteristics:

- Independent or built-in power supply for constant current LED lamp
- Multipower driver supplied with dip-switch for the selection of the output current from 250-1000mA
- Class II protection against electric shock for direct or indirect contact
- 1-100% dimming range by 0/1-10V
- Universal input voltage from 110-277V
- Push-in terminal block for quick connection
- It can be used for lighting equipment in protection class I and II
- Ripple free in all dimming range
- Start-up time $\leq 0.5S$
- Open circuit, short circuit, over load, over temperature protection
- Auto restart after fault conditions removal
- Warranty :5 Years

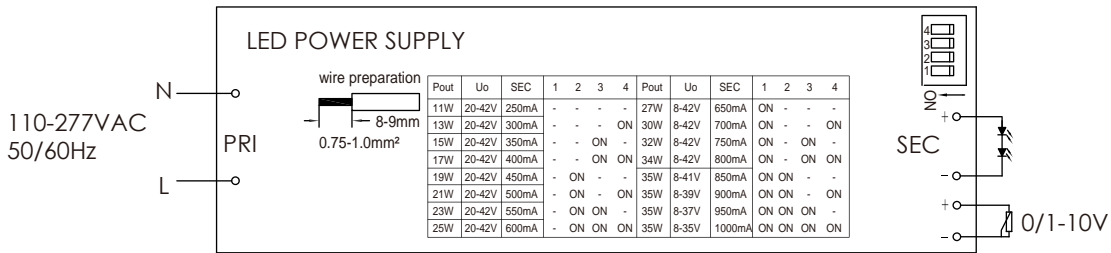
Specifications:

Model	SLD35-1000IB/LA-UN1	
Output	turn on time(S) ^①	≤0.5
	output current(mA) ^①	250/300/350/400/450/500/550/600/650/700/750/800/850/900/950/1000
	output current tolerance ^②	10%\10%\10%\10%\7%\7%\7%\7%\7%\5%\5%\5%\5%\5%\5%\5%
	ripple current(%) ^③	80mA
	working voltage range(V)	Max 42\42\42\42\42\42\42\42\42\42\42\41\39\37\35 Min20\20\20\20\20\20\20\20\8\8\8\8\8\8
	output power range(W)	Max 10.5\12.6\14.7\16.8\18.9\21\23.1\25.2\27.3\29.4\31.5\33.6\34.8\35\35\35
	Max. output voltage(V)	55
	output safety rating	SELV
	dimming interface	0/1-10V
	dimming range	1%-100%
	Input	rated supply voltage(Vac)
voltage range(Vac)		99-305
DC voltage range(Vdc)		176-280
line frequency(Hz)		50/60
input current(mA)		420
input power(W) ^①		MAX 40
efficiency ^①		86% (Max load)
power factor ^①		0.95(Max load)
THD ^①		less than 0.2
Protection	inrush current(Ipk) ^①	12A/40uS
	short circuit protection	yes
	over temperature protection	yes
	automatic restart	yes
	over load protection	yes
surge capacity	L-N: 1KV	
Ambient and Life	Ta(°C)	-25~40°C for 110Vac input -25~45°C for 120,277Vac input -25~50°C for 220-240Vac input
	Tc max. (°C)	90 (220Vac-240Vac) 85 (120Vac,277Vac) 80 (110Vac)
	nominal life-time(hrs)	50'000@Ta=40°C (110Vac) 50'000@Ta=45°C (120Vac,277Vac) 50'000@Ta=50°C (220Vac-240Vac)
	guarantee(years)	5
	Storage Temperature(°C)	-30...80
	ambient humidity range	5%...85%RH, Not condensing
	audible noise(dB)	<25dBA tested@10cm
Other	weight(g)	155
	dimensions (LxWxH)(mm)	96x42x30/139x42x30
	casing material	Plastic
	housing colour	White+blue end cap
	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,LED load,blew 200Hz	

Dimensions(mm):



Wiring diagram:



Application:

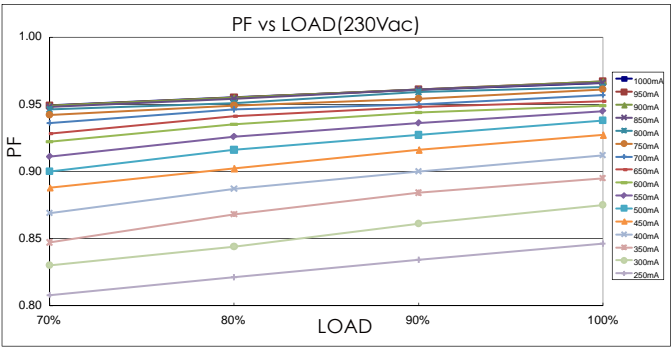
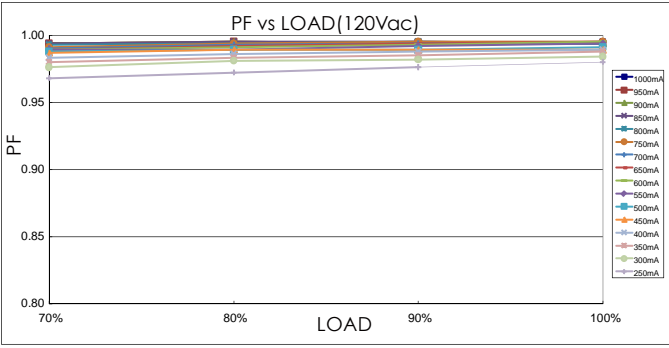
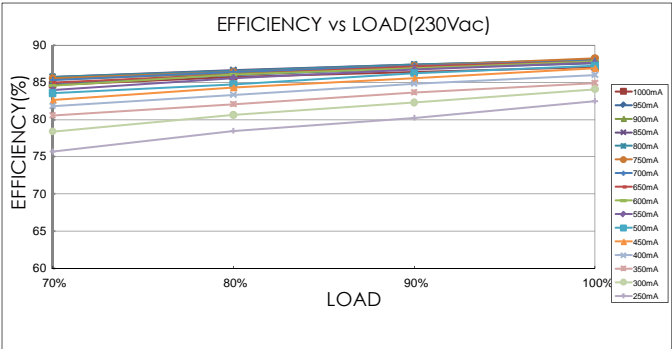
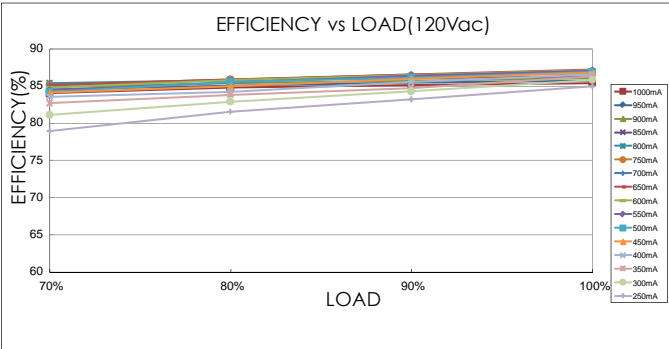
Built-in application



Independent application



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.

MCBS information:

Miniature circuit breaker Model	B10	B13	B16	B20	C10	C13	C16	C20
SLD35-1000IBA-UN1	16	21	26	32	27	32	44	52
SLD35-1000ILA-UN1	16	21	26	32	27	32	44	52

Order information:

Order.No.	Model	Carton quantity(pcs)	Carton dimension(mm)	G.W./CTN(kg)
1001-260165-0130	SLD35-1000IBA-UN1	50	280x235x255	9.5
1001-260167-0131	SLD35-1000ILA-UN1	50	305x275x225	10



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 Co.,Ltd.,Shenzhen Office

Add: Room2007,Xinglang Xuan,Xinghe Mingju,Fuming Road,Futian District,Shenzhen

Tel: 0086-755-83558850, 83558851

Fax: 0086-755-83558840

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.