

# Smart LED Power Supply

SLD15/30/60-12VLS-E/SLD15/30/60-12VLS-E1  
SLD15/30/60-24VLS-E/SLD15/30/60-24VLS-E1



## Product description:

The smart power supply is exclusively designed for 12V/24V LED lamp ,It can be used together with our control modules, IR/PIR sensors,Remote Controller and APP.

## Standards:

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

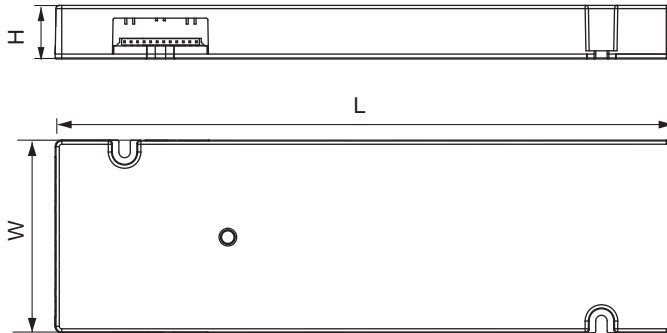
## Characteristics:

- Class II protection against electric shock from direct and indirect contact
- SELV output
- Open circuit, short circuit, over load and over temperature protection
- Auto restart after fault conditions removal
- The output current of the power supply could be dimmed between 2%-100% by IR/PIR sensors,Remote Controller or APP.

**Specifications:**

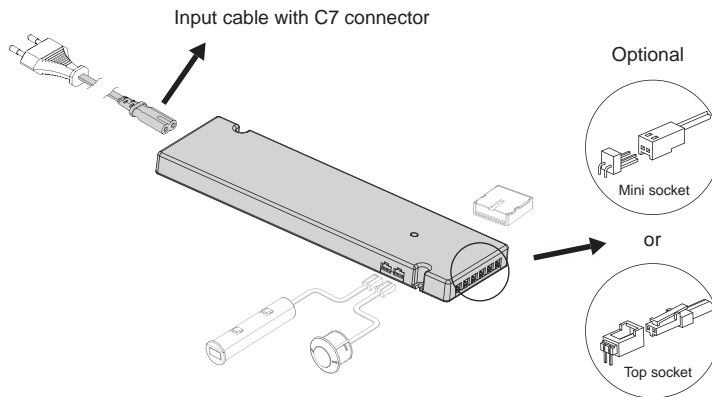
Model	SLD15-12VLS-E	SLD30-12VLS-E	SLD60-12VLS-E	SLD15-24VLS-E	SLD30-24VLS-E	SLD60-24VLS-E	
	SLD15-12VLS-E1	SLD30-12VLS-E1	SLD60-12VLS-E1	SLD15-24VLS-E1	SLD30-24VLS-E1	SLD60-24VLS-E1	
Output	turn on time(S)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	
	output power(W)	15	30	60	15	30	
	output voltage(V)	12	12	12	24	24	
	output voltage tolerance <sup>1</sup>	+/-5%	+/-5%	+/-5%	+/-5%	+/-5%	
	ripple voltage(mV)	420(Vp-p)	500(Vp-p)	600(Vp-p)	420(Vp-p)	500(Vp-p)	
	working current range(A)	0-1.25	0-2.5	0-5.0	0-0.625	0-1.25	
	dimming interface	CV PWM					
	dimming range	2%-100%					
Input	rated supply voltage(Vac)	220-240					
	voltage range(Vac)	198-264					
	line frequency(Hz)	50/60					
	input current(mA)	120	200	400	120	200	
	efficiency <sup>2</sup>	83.0%	85.0%	87.0%	83.0%	87.0%	
	average efficiency <sup>3</sup>	78.0%	83.0%	85.0%	78.0%	84.0%	
	no load power consumption(W)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	
	power factor <sup>2</sup>	0.70C	0.95	0.95	0.70C	0.95	
Protection	inrush current(Ipk)	20A/60uS	24A/160us	40A/200us	20A/60uS	24A/160us	
	over voltage protection	YES	YES	YES	YES	YES	
	short circuit protection	YES	YES	YES	YES	YES	
	over temperature protection	YES	YES	YES	YES	YES	
	automatic restart	YES	YES	YES	YES	YES	
	over load protection	YES	YES	YES	YES	YES	
Ambient and Life	surge capacity	L-N: 0.5KV	L-N: 1KV	L-N: 1KV	L-N: 0.5KV	L-N: 1KV	
	Ta(°C)	-20...40					
	Tc max.(°C)	80	75	75	80	70	
	Storage Temperature(°C)	-30...80					
	ambient humidity range	5%...85%RH, Not condensing					
	nominal life-time(hrs)	30'000@Ta=40 C					
Other	weight(g)	83	141	83	83	141	
	dimensions (LxWxH)(mm)	167x49x16	189x59x16	247x71x16	167x49x16	189x59x16	
	casing material	Plastic					
	housing colour	White					
	type of protection	IP20					
	protection class	ClassII					
Note	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. Calculate the model's average efficiency for each test voltage by testing at 100%, 75%, 50%, and 25% of rated current and then computing the simple arithmetic erage of these four values. 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.						











**Dimensions(mm):**



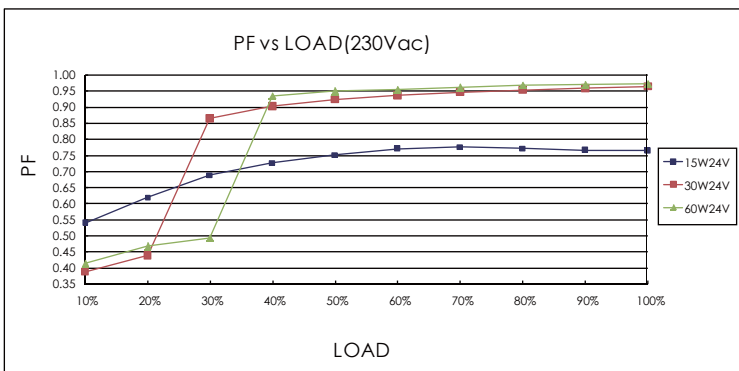
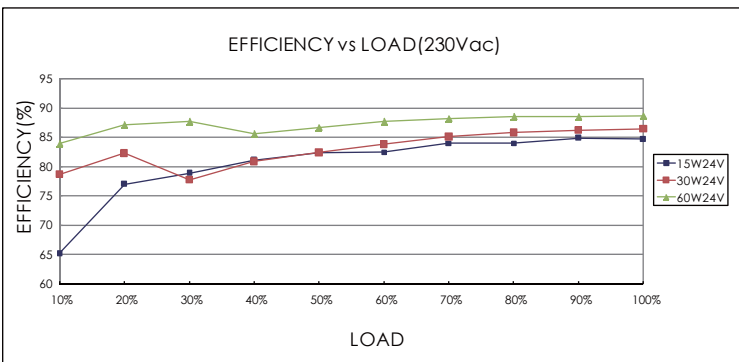
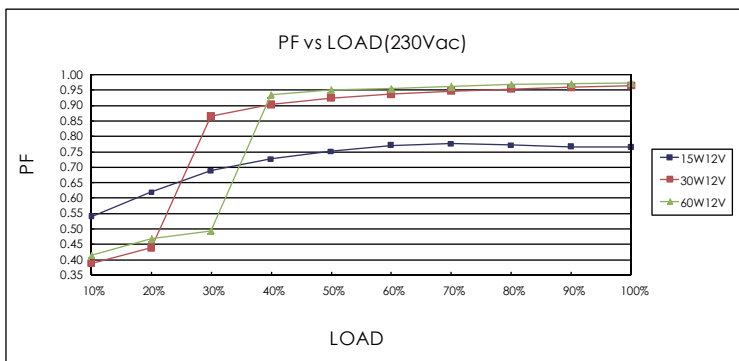
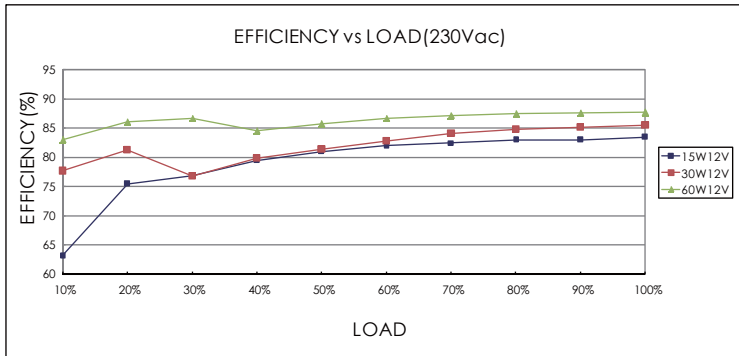
	SLD15-12VLS-E SLD15-12VLS-E1 SLD15-24VLS-E SLD15-24VLS-E1	SLD30-12VLS-E SLD30-12VLS-E1 SLD30-24VLS-E SLD30-24VLS-E1	SLD60-12VLS-E SLD60-12VLS-E1 SLD60-24VLS-E SLD60-24VLS-E1
L(mm)	167	189	247
W(mm)	49	59	71
H(mm)	16	16	16

**Wiring diagram:**



Optional Accessories Table				
Type	SCM-1	SCM-2	SCM-3	Input Cable
Picture				
Function Characteristics	IR/PIR	IR/PIR/2.4G	IR/PIR/BT	-
Functional Fittings	IR Sensor  PIR Sensor  T/SLF5.876.048 SLF5.876.019 SLF5.876.045	IR Sensor  PIR Sensor  T/SLF5.876.048 SLF5.876.019 SLF5.876.045 Remote Controller for 2.4G  KZQ-8YKB	IR Sensor  PIR Sensor  T/SLF5.876.048 SLF5.876.019 SLF5.876.045 APP 	-

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:

**Bright Green Connect Limited**

Unit 3, Oyster Park  
Byfleet  
Surrey  
KT14 7AX

☎ +44 (0) 1932 497992

✉ [contact@brightgreenconnect.com](mailto:contact@brightgreenconnect.com)

🌐 [brightgreenconnect.com](http://brightgreenconnect.com)

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