Constant Voltage LED Power Supply SP200-24VLT



Product description

SP200-24VLT is a constant voltage output LED driver. This driver supports leading edge phase cutting and trailing edge phase cutting dimmers, and can be used with many European brands of dimmers to achieve smooth dimming effects. The product complies with safety regulations and EMC certification, and has a lifespan of more than 30,000hrs.

₩₩ ₩ @ 🗇 🗆 selv 🌒 📰 🖉 🧲 ୯ € ୯୪ 🎽

Standards

EN61347-1 EN61347-2-13 AS/NZS 61347.2.13 EN55015 EN61000-3-2 EN62493

Characteristics

- Single channel 24V constant voltage output, maximum output current 8.3A
- Support for leading edge (Triac) and trailing edge (ELV) dimming
- Full dimming without video flash, 20K high frequency PWM dimming exemption assessment level dimming curve smooth, no jitter
- High efficiency of 93%
- Over current protection; Over voltage protection; Short circuit protection
- Suitable for indoor LED lights



Specifications

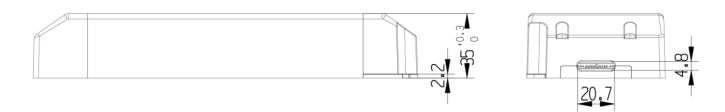
Model		SP200-24VLT		
	turn on time(S)	<2s soft start up)		
	output power(W)	200		
	output voltage(V)	24		
	output voltage tolerance	±5%		
	ripple voltage	±3%		
Output	Line Regulation	±3%		
	Load Regulation	±3%		
	working current range(A)	4-8.3		
	SVM	Full load SVM≤0.4		
	Pst	Full load Pst LM≤1		
	Dimming Frequency	20K		
	dimming type	Triac dimmable		
	dimming range	10%-100%		
	rated DC supply voltage(Vdc)			
	rated supply voltage(Vac)	220-240		
	voltage range(Vac)	198-264		
	line frequency(Hz)	50/60		
Input	input current(A)	1A/220V		
inpor	efficiency	93%@full load		
	average efficiency 3	92.5%		
	power factor	0.95@full load		
	THD(typ.)	10%		
	inrush current(lpk)	85A/470uS		
	Leakage current	<0.7mA		
	short circuit protection	System recovered after power on again		
	over load protection	System recovered after power on again		
	Over voltage protection	N/A		
	Over temperature protection	Y		
Dural	surge capacity	L-N: 2000V		
Protection	Withstand voltage	Input-Output:3750V/5mA/1min		
	Ta(C)	-2045		
	Tc max.(C)	max.90		
	Storage Temperature(C)	-4085		

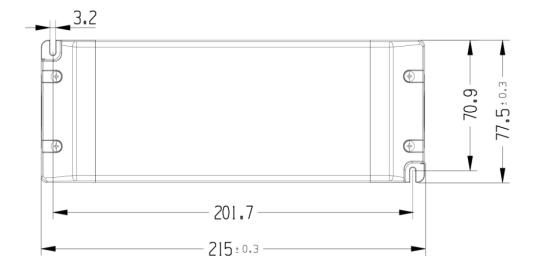


Ambient and Life	ambient humidity range		5%85%RH, Not condensing			
	nominal life-time(hrs)		30'000@Ta			
	dimensions (L×W×H)(mm)		215*77.5*35			
	weight(g)		800			
Other	casing material		Plastic			
Oniei	housing colour		White			
	type of protection		IP20			
	protection class		class II			
	certificate					
Note	ambient temperature. 5.The power supply is considered equipment. Since EMC performed manufacturers must re-qualify EN 6. A switch needs to be added b latest ErP regulatory requirements 7. It is prohibited to use noisy dimi	entioned are measure as a component that ance will be affected k IC Directive on the co etween the mains pow s for lamps. mers (which may trigg	d at nominal voltage input, rated load a will be operated in combination with find by the complete installation, the final equ	al ipment		
	_					
		GIRA	2385 00/103			
		LK FUGA SCHNEIDER	506DA219			
	-	SC POWER	TDR300-T1			
		FUGA Berker	506DA120 2909			
	-	FUGA	506DA109			
	-	Yokis	MTV500M 5454062			



Dimensions(mm)





Wiring Diagram

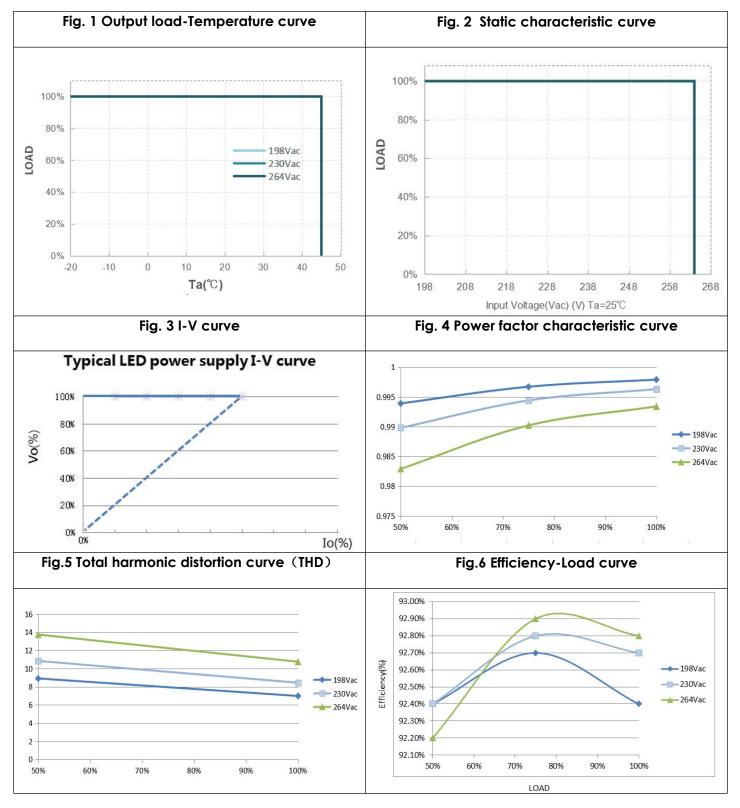
1 ——	0	LED POWER SUPPLY		
	PRI	LED FOWER SUFFLI	SEC	~ 1
	o	Wire preparation	+	41
		7-8mm	+ ~	

Remark:	
AC Input	Terminal + H03VVH2-F 2*1mm ²
DC Output Terminal+ H03VVH2-F 2*1mm ² *2	



Electrical curves

SP200-24VLT





MCBS

MCBS Model	B10	B13	B16	B20	C10	C13	C16	C20
SP200-24VLT	2	3	4	5	3	4	5	6

Package

Model	Carton quantity(pcs)	Carton dimension(mm)	G.W./CTN(kg)
SP200-24VLT			

Revision history

Date	Rev.	Remark
2023.11.06	AO	
2023.12.22	Al	

