

PES100-1W48V

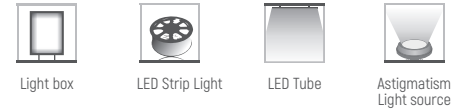
Product Feature

- full power output
- Insolated PC design
- Isolated design,safe and reliable
- Protections:Over load,Short circuit,over Current
- Protection grades is as high as IP65
- 5 years warranty
- No Flicker



RoHS SELV IP65

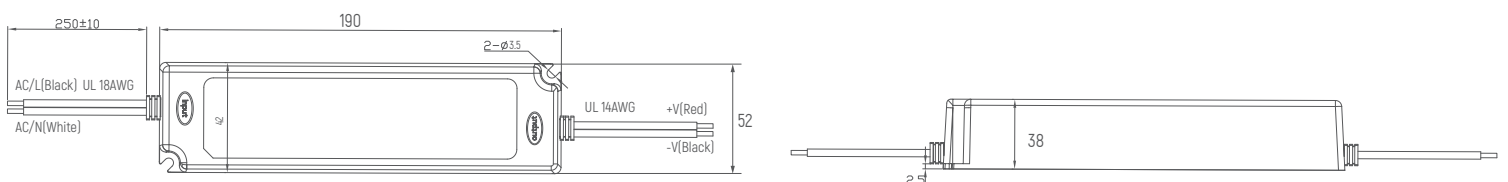
Application



Technical Parameters

Model	PES100-1W48V	
Input	Efficiency	>89%@230VAC, Full load
	Voltage	120VAC-277VAC
	Frequency	50/60Hz
	Power Factor	≥0.95@230VAC, Full load
	THD	<10%@230VAC, Full load
	Current	1.2Amax@120VAC
	No load power	<0.5W
	Inrush current	Cold start,43A@230VAC 312us
	Turn On Delay Time	≤0.5 s, at230Vac (When the light begins to shine)
Output	Current/Voltage/Power	2.08A/48VDC/100W
	Output Voltage	45-50V
	Ripple Current	≤200mV
	Channel	1
	Voltage Accuracy	±5%
	No load output voltage	50.4V max
Protection	Over load	Drop the voltage, troubleshoot the fault. The output is normal
	Short circuit	Hiccup, troubleshoot output normal
	Over Current	Drop the voltage, troubleshoot the fault. The output is normal
Safety & EMC	Lightning Surge	L-N:2kV
	Withstand Voltage	I/P-O/P:3750Vac/1min/<5mA
	Safety Standards	EN61347-1 EN61347-2-13 UL1310
	EMC Emission	EN55015 FCC Part 15 Class B
	Insulation Resisance	5MΩ
Others	Working Temp.	-20°C-40°C [-4°F-104°F]
	Storage Temp.; Humidity	-40°C-75°C [-40°F-167°F], 20-90%RH
	Tc	75°C (167°F)
	Material	PC
	IP Rating	IP65
	Lifetime	50,000h@tc:75°C (167°F)
	Warranty Condition	5 years
	Switch Cycle	>25,000 times
	Packing Size	Net weight: 573g (1.26 lb) ±5%/PCS; 20PCS/ Carton; 11.9kg (26.3 lb) ±5%/Carton; Carton Size: 333*218*205mm [13.2*8.58*8.07 Inch] (L*W*H)
Dimension	190*52*38mm [7.48*2.04*1.49 Inch] (L*W*H)	

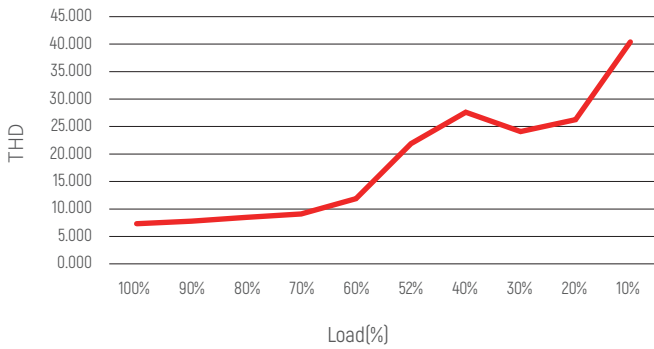
Dimension(mm)



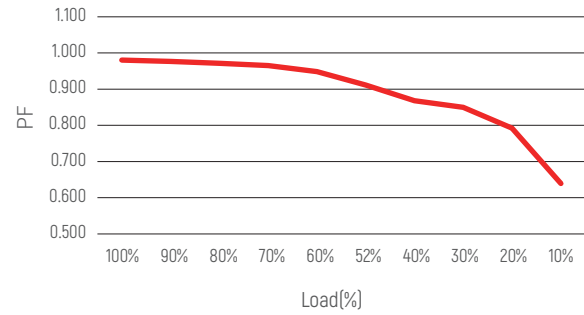
Wiring Diagram



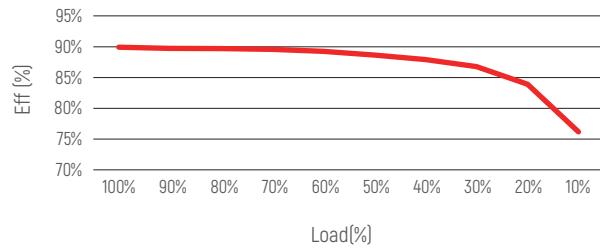
THD VS Load



PF VS Load



Efficiency VS Load



Cautions

1. This product should cut off the input voltage and installed by a professional.
2. Before installation, the voltage and current output from the power supply shall be confirmed to meet the specification requirements of the lamp.
3. It is waterproof IP65,do not soak in water for a long time when using.
4. The driver should be installed in a well space and environment.
5. The sectional area of the conductor wire which connect to the driver and lamp should be enough (Recommended less than 4A/mm²).
6. Make sure all connections are correct and secure before powering up.
7. If break down during use,it must be repaired by a professional or contact the supplier.

※ The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail.Please contact us if you have any questions.