

PEE20-1W12V

Product Feature

- Insolated PC design
- Isolated design,safe and reliable
- Protections: Short circuit, Over load, over current
- Protection grades is as high as IP65
- 5 years warranty



RoHS SELV IP65

Application



Light box



LED Strip Light



LED Tube

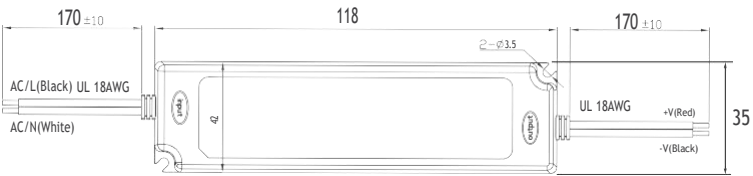


Astigmatism Light source

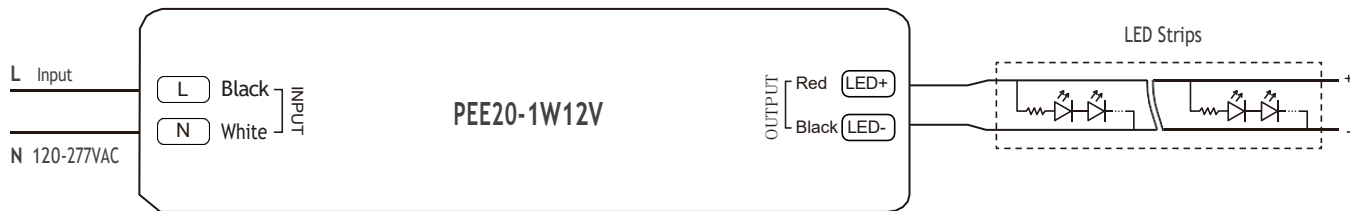
Technical Parameters

Model	PEE20-1W12V	
Input	Efficiency	≥84%@230VAC, Full load
	Voltage	120VAC-277VAC
	Frequency	50/60Hz
	Current	0.5Amax@120VAC
	No load power	≤0.5W
	PF	≥0.5@120Vac
	Inrush Current	Cold start 40A@230VAC 200us
	Turn On Delay Time	≤0.5s, at230Vac (When the light begins to shine)
Output	Current / Voltage / Power	1.67A / 12VDC / 20W
	Channel	1
	Voltage Accuracy	±5%
	Ripple Voitage	3%
	No load output voltage	12.6VDC max
Protection	Load protection	Voltage reduction, troubleshooting self recovery
	Short circuit protection	Hiccups, troubleshoot and recover
	Overcurrent protection	Voltage reduction, troubleshooting self recovery
Safety & EMC	Lightning Surge	L-N:2kV
	Withstand Voltage	I/P-O/P:3750VAC/1min/5mA
	Safety Standards	EN61347-2-13 / EN61347-1 / UL1310
	EMC Eission	EN55015 / FCC Part 15 Class B
Others	Working Temp.	-20℃~50℃
	Storage Temp.; Humidity	-40℃~85℃, 20-90%RH
	Tc	80℃
	Material	PC
	IP Rating	IP65
	Lifetime	50,000h@tc:70℃
	Warranty Condition	5 year
	Switch Cycle	>25,000 times
	Packing Size	Net weight: 153g±5%/PCS; 60PCS/Cartron; 9.5kg±5%/Cartron; Cartron Size: 282*230*140mm(L*W*H)
	Dimension	118*35*26mm (L*W*H)

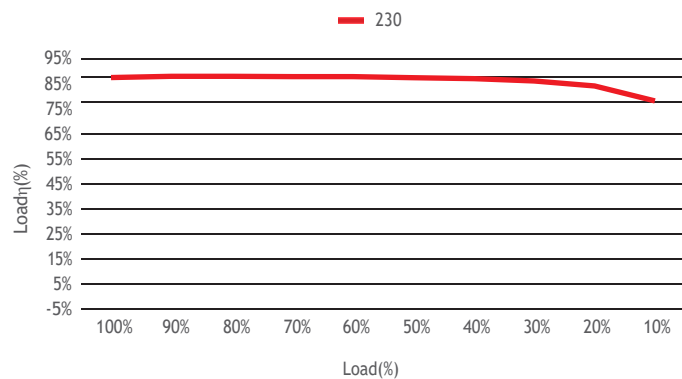
Dimension(mm)



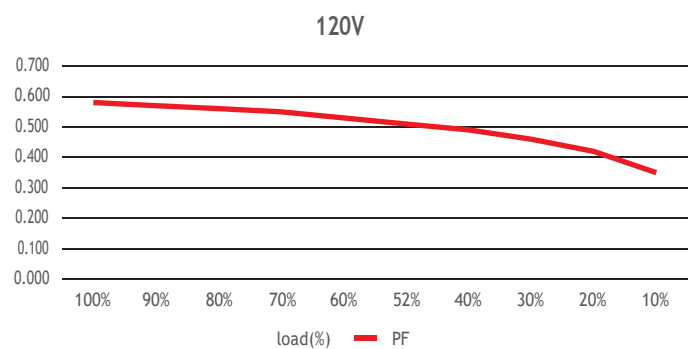
## Wiring Diagram



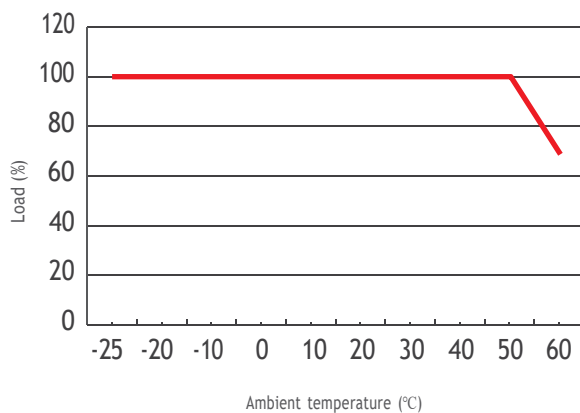
## Efficiency vs load



## PF vs load



## Derating curve



## 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/mm<sup>2</sup>).
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.