

PEE100-1W48V

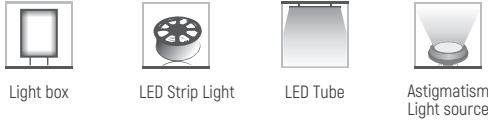
Product Feature

- Width voltage input,full power output
- Insolated PC design
- Isolated design,safe and reliable
- Protections:Over load,Short circuit,over voltage
- Protection grades is as high as IP65
- 5 years warranty



Class 2 SELV IP65

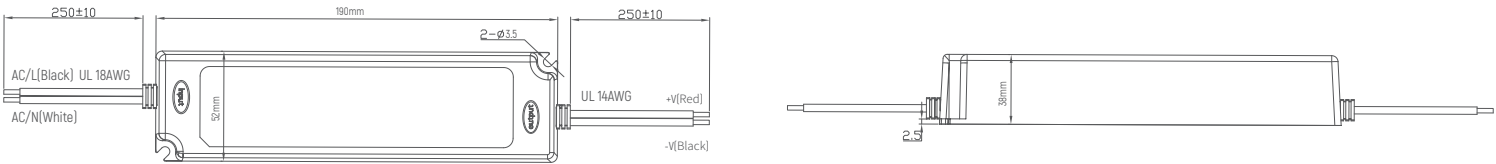
Application



Technical Parameters

| Model        | PEE100-1W48V            |                                                                                            |
|--------------|-------------------------|--------------------------------------------------------------------------------------------|
| Input        | Efficiency              | ≥89%@230VAC, ≥87%@120VAC, full load                                                        |
|              | Voltage                 | 120VAC-277VAC                                                                              |
|              | Frequency               | 50/60Hz                                                                                    |
|              | Current                 | 2Amax@120VAC                                                                               |
|              | No load power           | ≤ 0.5W                                                                                     |
|              | Inrush Current          | Cold start,90A@277VAC 350us                                                                |
| Output       | Current/Voltage/Power   | 2.08A/48VDC/100W                                                                           |
|              | Ripple Voitage          | <5%                                                                                        |
|              | No load output voltage  | 50.4V max                                                                                  |
|              | Current Accuracy        | ±5%                                                                                        |
|              | Turn On Delay Time      | ≤ 0.5 s (When the light begins to shine)                                                   |
|              | Channel                 | 1                                                                                          |
| Protection   | Over load               | Reduce voltage burp protection, troubleshoot normal output                                 |
|              | Short Circuit           | Short circuit No output, troubleshooting output normal                                     |
|              | Over Current            | Reduce voltage burp protection, troubleshoot normal output                                 |
| Safety & EMC | Lightning Surge         | L-N:2kV                                                                                    |
|              | Withstand Voltage       | I/P-O/P:3750VAC/1min/5mA                                                                   |
|              | Safety Standards        | IEC/EN61347-1, IEC/EN61347-2-13, UL1310                                                    |
|              | EMC Eission             | EN55015, FCC part 15 Class B                                                               |
|              | Insulation Resisance    | 5MΩ                                                                                        |
| Others       | Working Temp.           | -20°C~50°C                                                                                 |
|              | Storage Temp.; Humidity | -40°C~85°C, 20-90%RH                                                                       |
|              | Tc                      | 85°C                                                                                       |
|              | Material                | PC                                                                                         |
|              | IP Rating               | IP65                                                                                       |
|              | Lifetime                | 50,000h@tc:85°C                                                                            |
|              | Warranty Condition      | 5 years                                                                                    |
|              | Switch Cycle            | >25,000 times                                                                              |
|              | Packing Size            | Net weight: 535g±5%/PCS; 20PCS/Carton; 11.4kg±5%/Carton; Carton Size: 278*241*235mm(L*W*H) |
|              | Dimension               | 190*52*38mm(L*W*H)                                                                         |

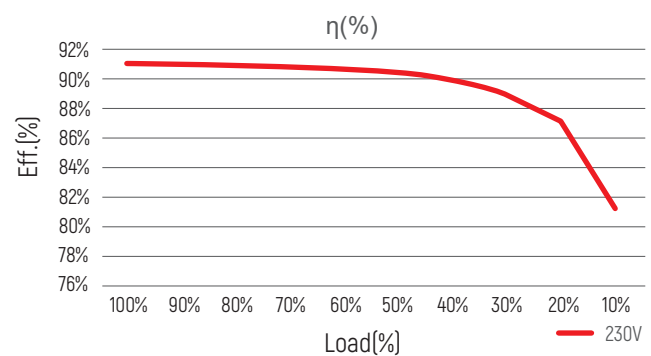
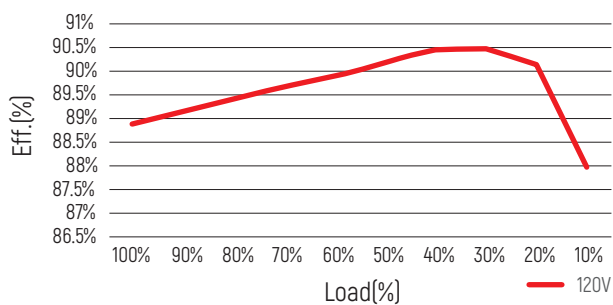
Dimension(mm)



## Wiring Diagram



## Eff. 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/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.