



- Output constant voltage
- Universal AC input: 100-130VAC
- Power Factor: up to 0.65
- High efficiency :up to 85%
- Protection: short circuit/over loading/over current/ Over temperature
- Full protection aluminum housing
- Easy installation
- Cooling by free air convection
- Compatible with Forward phase , Triac, MLV Dimmers
- Strong compatibility, flicker-free dimming
- Suitable for LED lighting and moving sign applications and others
- Provide with a junction box for power supply and output connection
- IP66 rated, suitable for dry or wet location use

IP66



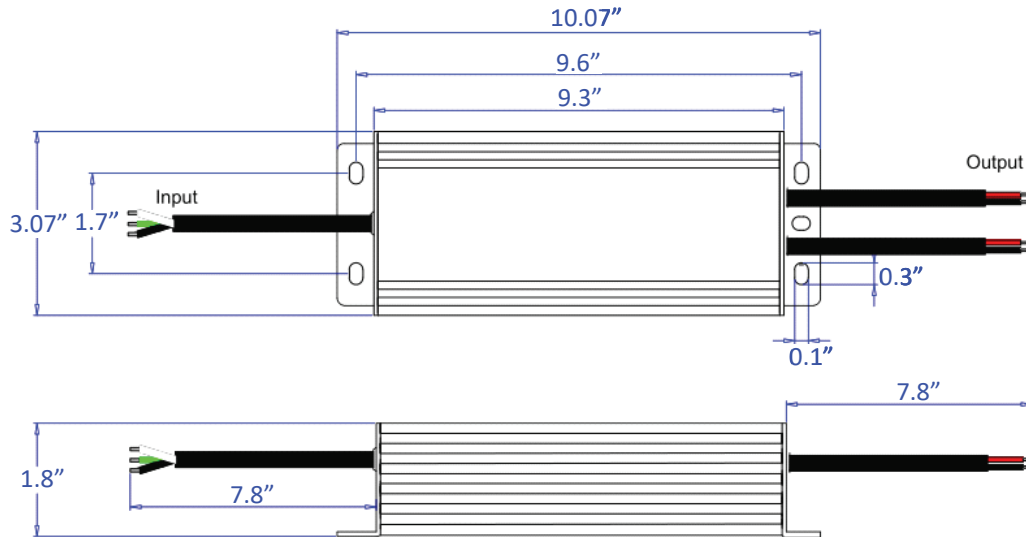
Specifications:

| | | | |
|------------------------|------------------------|--|-------------------------|
| Model | | PWR-DIM-NUR-12V-200W-OD , PWR-D-N-200W-24V-OD | |
| Certifications | | ETL, CETL, FCC | |
| Output | DC Voltage | 12V, 24V | |
| | Voltage Tolerance | ±0.5V | |
| | Rated current | 6.67A, 8.33A, 16.6A | |
| | Rated power | 80W, 100W, 200W | |
| Input | Voltage Range | 100~130VAC | |
| | Frequency Range | 47-63Hz, 50-60Hz, 50-60Hz | |
| | Power Factor (Typ.) | 0.65 | |
| | Efficiency (Typ.) | 83% | |
| | AC Current (Max.) | 3.2A/100VAC | |
| | Leakage current | < 0.50mA/110VAC | |
| Protection | Short Circuit | Hiccup mode, recovers automatically after fault condition is removed | |
| | Over Current | ≤1.2*I out | |
| | Over Loading | ≤120% | |
| | Over temperature | 100°C±10°C, Shut down o/p voltage, recovers automatically after temp. goes down. | |
| Environment | Working TEMP. | -40~+60°C | |
| | Working Humidity | 20~95%RH, non-condensing | |
| | Storage TEMP. Humidity | -40~+80°C, 10~95%RH | |
| | TEMP .coefficient | ±0.03%/°C (0~50°C) | |
| | Vibration | 10~500Hz, 5G 10min./1 cycle, period for 60min. each along X,Y,Z axes | |
| Safety& EMC | Safety standards | UL1012 | |
| | Withstand voltage | I/P-O/P:1500KVAC | |
| | Isolation resistance | I/P-O/P:100MΩ/500VDC/25°C/70%RH | |
| | EMC EMISSION | FCC Part 15 B | |
| Others | Net. Weight | Driver 1.45Kg | With J8 2.2 Kg |
| | Size | 256*78*47mm (L*W*H) | 406*87*60mm (L*W*H) |
| | packing | 305*295*210mm 10PCS/CTN | 445*350*205mm 10PCS/CTN |

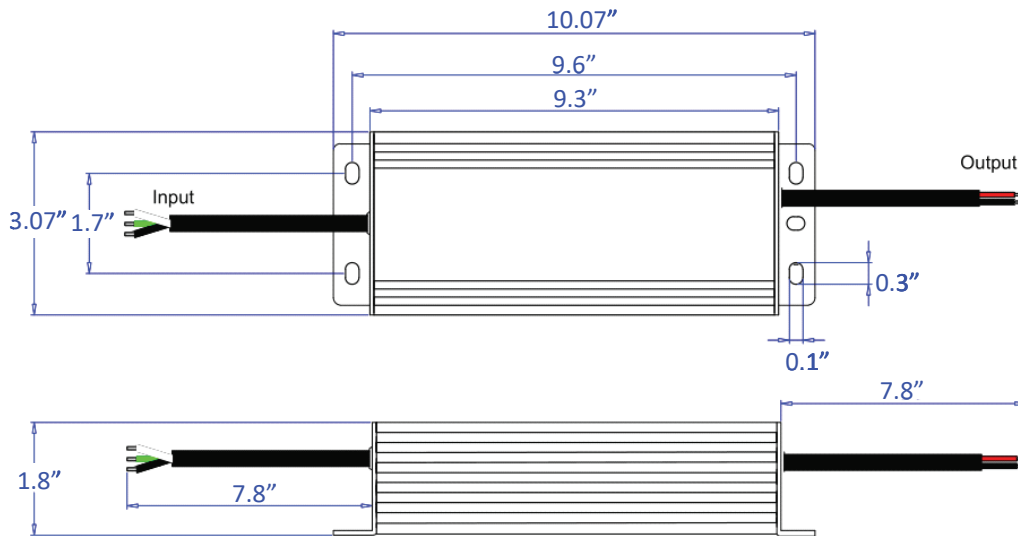
Notes

1. All parameters if NOT specially mentioned are measured at 110VAC input , rated load and 25°C of ambient temperature.
2. To extend the driver's using life ,please reduce the loading at lower input voltage.
3. Loading should be 5-100%.

■ Phase/Traic Dimmable driver Mechanical Specification

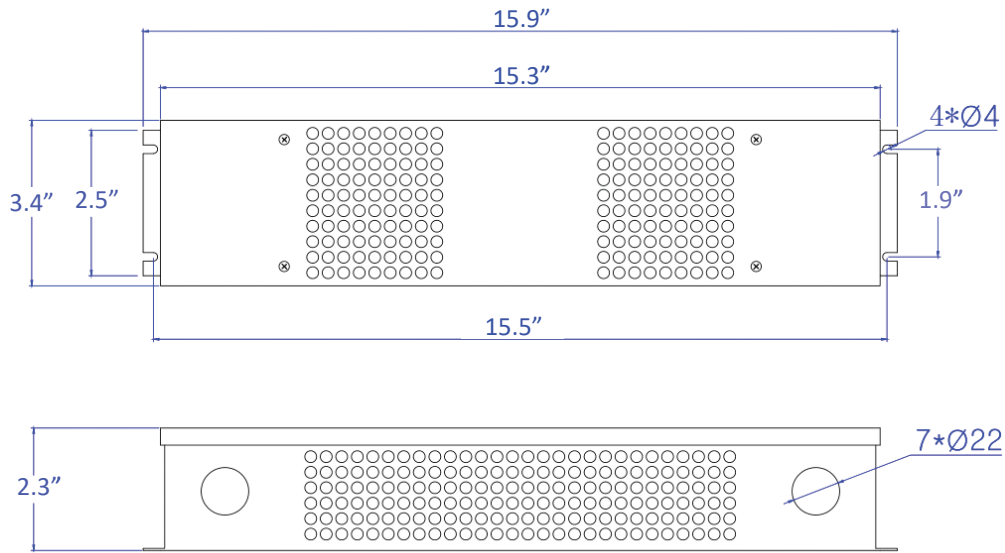


KVP-12200-TDL



KVP-24200-TDL

※ Input black(L) and white(N) wires to be connected AC, Green wire to be connected ground; output red and black wires to be connected led lighting.



J8



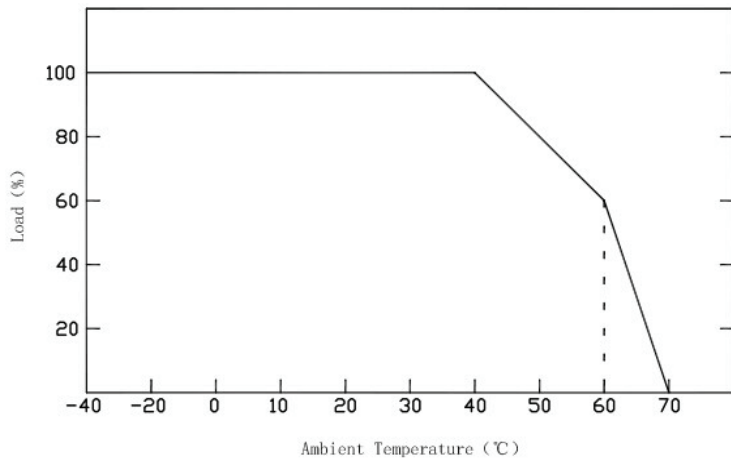
■ Dimming Operation

- ※ The Pulse-Width Modulation (PWM) of output voltage can be adjusted through input terminal of the AC phase line(L) by connection a phase/triac dimmer.
- ※ Usually matching with Forward phase , leading edge , Magnetic low voltage triac dimmers, (or Reverse phase, trailing edge ,Electric low voltage, Triac Dimmers can be customized!)
- ※ Please try to use dimmers with power at least 2.5 times as the output power of the driver.

■ Warning

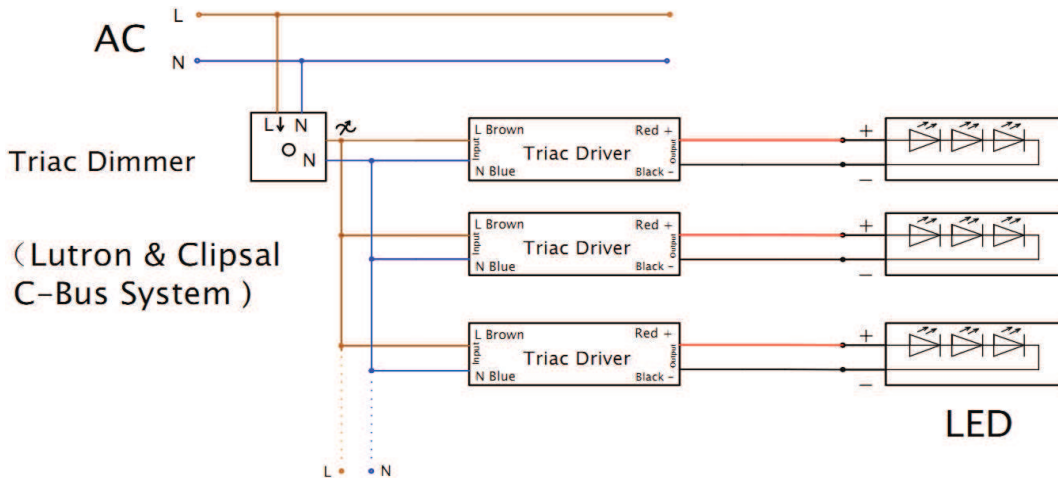
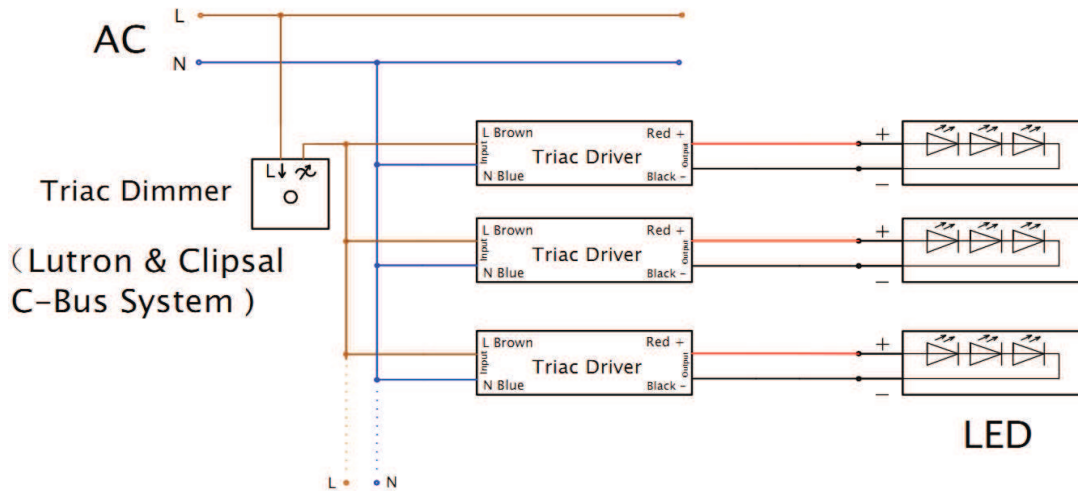
- ※ Prevent to reverse polarity; Output polarity: RED "+"; BLACK "-"
- ※ Risk of Electric Shock. When used outdoors, install only on a circuit protected by a Class A GFCI;
- ※ Risk of Fire. Installation involves special wiring methods to run wiring through a building structure. Consult a qualified electrician;
- ※ Risk of Electric Shock. Mount the unit at a height greater than 1 foot from the ground surface.

■ Derating Curve

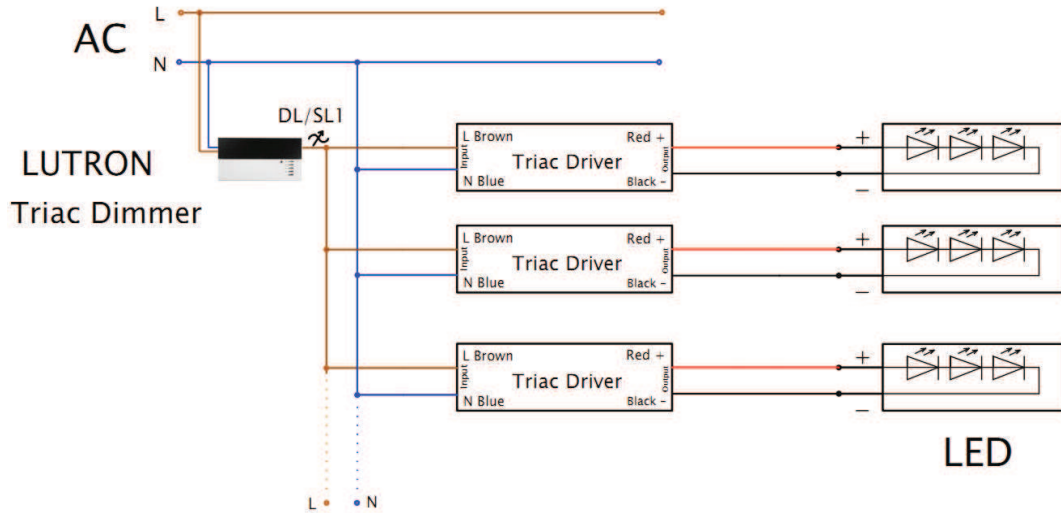


※To extend their life, please refer to the Derating Curve and derate according to the temperature.

■ Connecting Diagram



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Ordering Guide:

EXAMPLE: PWR-D-N-200W-12V--OD

| Power Supply | Wattage | Voltage | Outdoor |
|----------------|--|--------------------------|-----------|
| PWR-D-N | <input type="text"/> | <input type="text"/> | OD |
| | 80W 100W 200W | 12V 24V | |