

LD060L-VUxxxxx-40

60W AC-DC Constant Voltage
LED Driver

PRODUCT FEATURE

- Universal AC input / Full range (up to 305VAC)
- Class 2 power supply unit
- Constant Voltage design
- Fully isolated plastic case
- Protections: OLP/ SCP/ OTP
- 3-years warranty



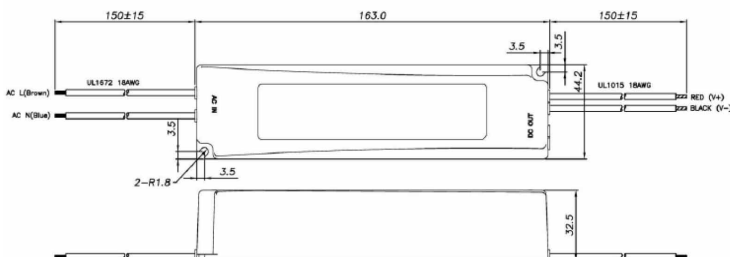
WARRANTY

- See [Limited Warranty Policy](#) for more additional information

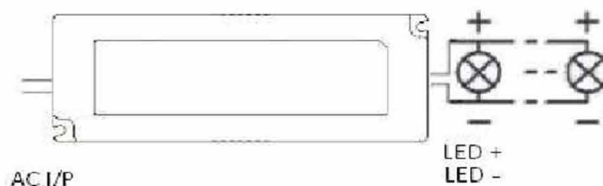
RELATED PRODUCTS

- [15W AC-DC Constant Voltage LED Driver](#)
- [100W AC-DC Constant Voltage LED Driver](#)
- [36W AC-DC Constant Voltage LED Driver](#)
- [200W AC-DC Constant Voltage LED Driver](#)

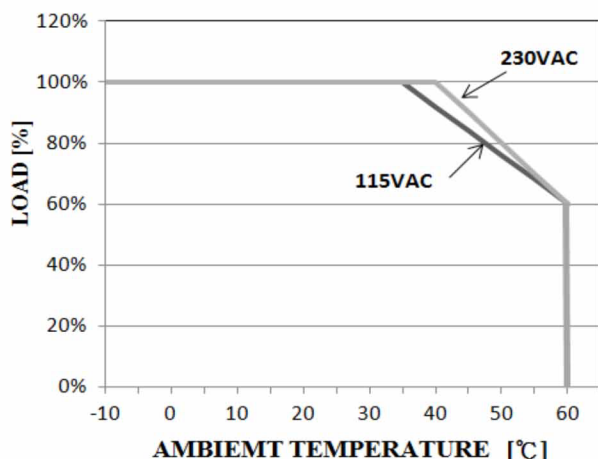
PRODUCT DIMENSION - 163 X 44.2 X 32.5MM



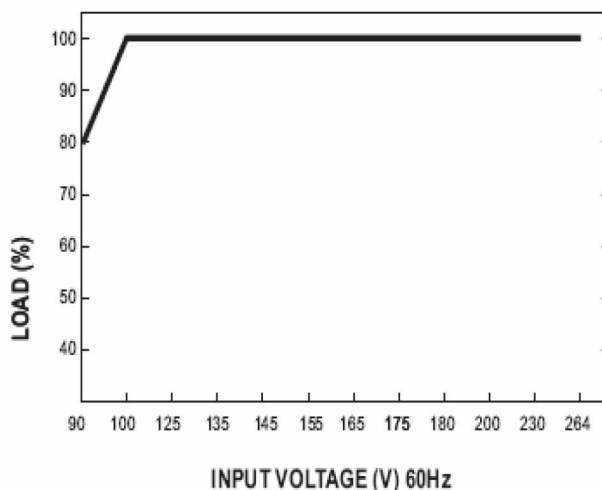
WIRING DIAGRAM



DERATING CURVE



STATIC CHARACTERISTICS



LD060L-VUxxxxx-40

60W AC-DC Constant Voltage
LED Driver

PRODUCT SPECIFICATION

| Model No. | | LD060L-VU50012-40 | LD060L-VU25024-40 |
|--------------|---|---|-------------------|
| INPUT | Voltage & Frequency Range | 100 – 240VAC | |
| | Frequency Range | 50 / 60Hz | |
| | AC Current (Max) | 0.95A at 115VAC / 0.6A at 230VAC | |
| | Power Factor | > 0.5 at 230VAC with full load | |
| | Inrush Current (Max) | 75A at 230VAC | |
| | Leakage Current | < 1mA / 240VAC | |
| OUTPUT | DC Voltage Range | 12V | 24V |
| | Constant Current Range | 0~5A | 0~2.5A |
| | Rated Max. Power | 60W | 60W |
| | Voltage Tolerance | ±5% | ±5% |
| | Ripple & Noise (Max) <i>Note.2</i> | 0.18 Vp-p | 0.24 Vp-p |
| | Efficiency <i>Note.1</i> | 83% | 85% |
| | Set up time (Max) | 500ms / 230VAC at full load | |
| Protections | Over Current | 100 – 120% Constant current limiting, auto recovery | |
| | Short Circuit | Hiccup mode, recovers automatically after fault condition is removed | |
| | Overload Temperature | Shut down o/p voltage, recovers automatically after temperature goes down | |
| Environment | Working Temperature | -10°C ~ 60°C (<i>Refer to output load derating curve</i>) | |
| | Working Humidity | 20% ~ 90% RH non-condensing | |
| | Storage Temperature Humidity | -40 ~ + 60°C, 10% ~ 90% RH | |
| Safety & EMC | Safety Standards | Meet EN61347-1, EN61347-2-13 | |
| | Withstand Voltage | I/P – O/P: 3.75K VAC | |
| | Isolation Resistance | I/P – O/P: 100M ohms/ 500VDC at 25°C | |
| | EMC Standards <i>note.3</i> | Meet EN55015 | |
| | EMS Immunity | Meet EN61000-4-2, 3, 4, 5, 6, 11; EN61547; EN61000-3-2 Class C | |
| Connection | Input | UL rated, 18 AWGx 2C (150mm) | |
| | Output | UL rated, 18 AWGx 2C (150mm) | |
| Others | MTBF | 100K hours min. MIL – hdbk – 217F (25°C) | |
| | Dimension (L x W x H) | 163 x 44.2 x 32.5mm | |
| | Packing (L x W x H)/ Carton | 390 x 280 x 210mm; 50pcs/ 20Kg | |
| Note | 1. All parameters NOT specially mentioned are measured at 230V AC input, rated load and 25°C ambient temperature. 2. Ripple & Noise are measured at 20MHZ band with oscilloscope and with 0.1uf parallel capacitor. 3. The power supply is considered a component which will be installed a final equipment. The final equipment must be re-confirmed that it still meets. | | |