

LD036L-VUxxxxx-Y1

36W 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

UL **UL** **CE** **IP67**
E345001 E345001



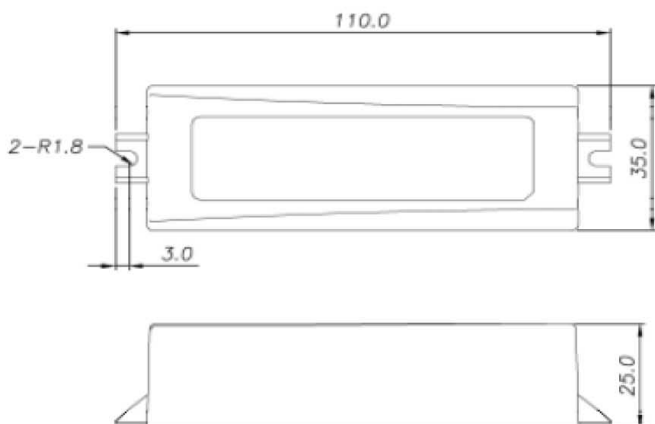
WARRANTY

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

RELATED PRODUCTS

- [15W AC-DC Constant Voltage LED Driver](#)
- [100W AC-DC Constant Voltage LED Driver](#)
- [60W AC-DC Constant Voltage LED Driver](#)
- [200W AC-DC Constant Voltage LED Driver](#)

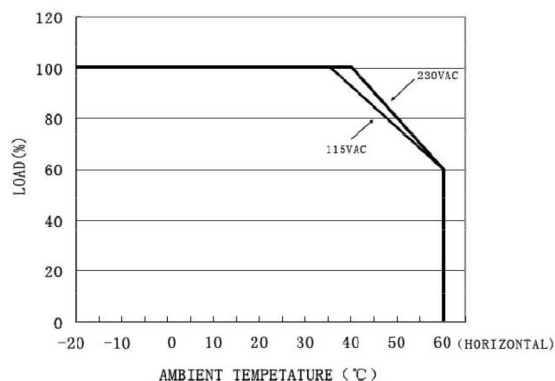
PRODUCT DIMENSION - 110 X 35 X 25MM



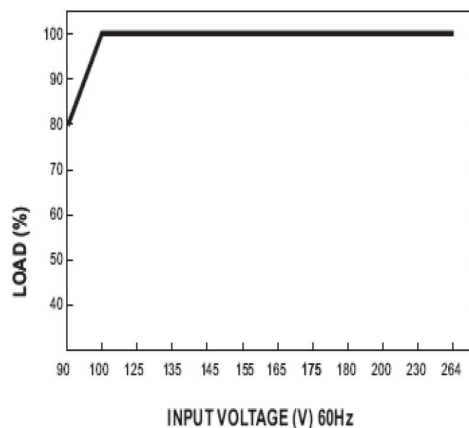
WIRING DIAGRAM



DERATING CURVE



STATIC CHARACTERISTICS



LD036L-VUxxxxx-Y1

36W AC-DC Constant Voltage
LED Driver

PRODUCT SPECIFICATION

Model No.		LD036L-VU30012-Y1	LD036L-VU24015-Y1	LD036L-VU20018-Y1	LD036L-VU15024-Y1	LD036L-VU10036-Y1	LD036L-VU7548-Y1
INPUT	Rated Voltage	100 – 277VAC					
	Frequency Range	50 / 60Hz					
	AC Current (Max)	1.0A at 115VAC / 0.5A at 230VAC					
	Inrush Current (Max)	50A at 115VAC / 50A at 230VAC					
	Leakage Current	< 1mA / 240VAC					
OUTPUT	DC Voltage Range	12V	15V	18V	24V	36V	48V
	Constant Current Range	0~3A	0~2.4A	0~2A	0~1.5A	0~1A	0~0.75A
	Rated Max. Power	36W	36W	36W	36W	36W	36W
	Voltage Tolerance	±5%	±5%	±5%	±5%	±5%	±5%
	Ripple & Noise (Max) <i>Note.2</i>	0.24 Vp-p	0.24 Vp-p	0.25 Vp-p	0.25 Vp-p	0.30 Vp-p	0.35 Vp-p
	Efficiency <i>Note.1</i>	83%	83%	83%	83%	85%	85%
	Set up time (Max)	500ms / 230VAC at full load					
Protections	Over Current	100 – 277VAC					
	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	Operation Temperature	-20°C ~ 40°C (<i>Refer to output load derating curve</i>)					
	Operation Humidity	20% ~ 90% RH non-condensing					
	Storage Temperature	-20 ~ + 80°C					
	Storage Humidity	10% ~ 90% RH					
Safety & EMC	Safety Standards	Meet EN61347-1, EN61347-2-13 ; UL8750 refer UL1310					
	Withstand Voltage	I/P – O/P: 3.75K VAC					
	Isolation Resistance	I/P – O/P: 100M ohms/ 500VDC at 25°C					
	EMC Standards note.3	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. @Ta=25°C					
	Dimension (L x W x H)	110 x 35 x 25mm					
	Packing (L x W x H)/ Carton	467 x 277 x 190mm; 100pcs/ 18Kg					
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.						