

LD100L-VUxxxxx-58

100W AC-DC Constant Voltage
LED Driver

PRODUCT FEATURE

- Universal AC input / Full range (up to 264VAC)
- Class 2 power supply unit
- Constant Voltage design
- Fully isolated plastic case
- Protections: OLP/ SCP/ OTP / OVP
- 3-years warranty



UL **cUL** **us** **CE** **IP67**
E345001 E345001

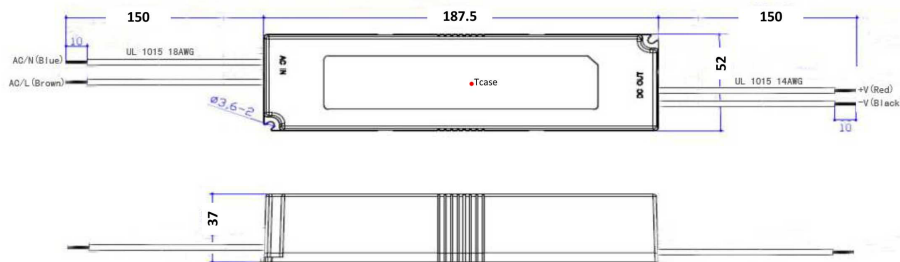
WARRANTY

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

RELATED PRODUCTS

- [15W AC-DC Constant Voltage LED Driver](#)
- [60W AC-DC Constant Voltage LED Driver](#)
- [36W AC-DC Constant Voltage LED Driver](#)
- [200W AC-DC Constant Voltage LED Driver](#)

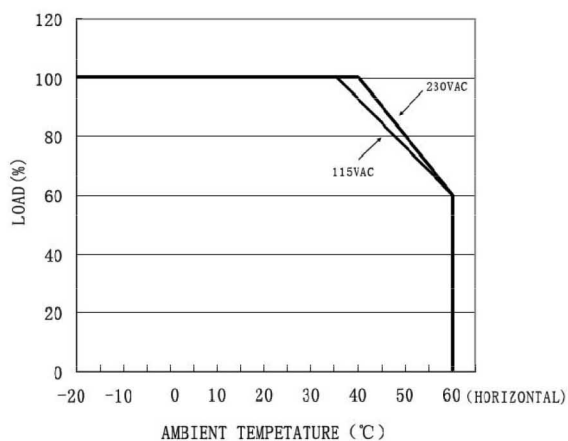
PRODUCT DIMENSION - 187.5 X 52 X 37MM



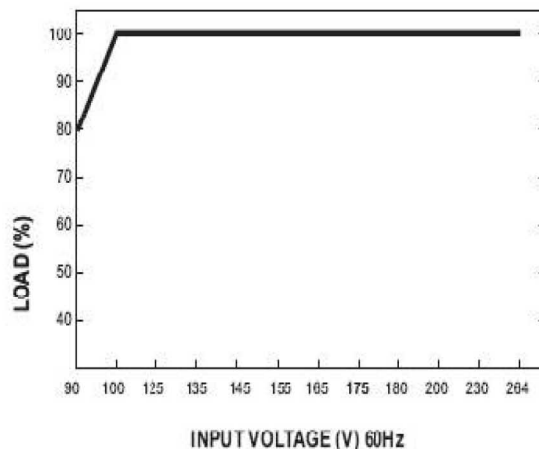
WIRING DIAGRAM



DERATING CURVE



STATIC CHARACTERISTICS



LD100L-VUxxxxx-58

100W AC-DC Constant Voltage
LED Driver

PRODUCT SPECIFICATION

Model No.		LD100L-VU85012-58	LD100L-VU42024-58
INPUT	Voltage & Frequency Range	100 – 240VAC	
	Frequency Range	50 / 60Hz	
	AC Current (Max)	2.0A at 115VAC / 1.2A at 230VAC	
	Inrush Current (Max)	75A at 230VAC	
	Leakage Current	< 0.5mA / 240VAC	
OUTPUT	DC Voltage Range	12V	24V
	Constant Current Range	0~8.5A	0~4.2A
	Rated Max. Power	102W	100W
	Voltage Tolerance	±6%	±5%
	Ripple & Noise (Max) <i>Note.2</i>	0.15 Vp-p	0.15 Vp-p
	Efficiency <i>Note.1</i>	83%	86%
	Set up time (Max)	1000ms / 230VAC at full load	
Protections	Over Current	110 – 160% 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. (Tcase: 90±10°C)	
	Over Voltage	130% ~ 160% rated output power type: Recover mode	
Environment	Operation Temperature	-20°C ~ 60°C (<i>Refer to output load derating curve</i>)	
	Operation Humidity	20% ~ 90% RH non-condensing	
	Storage Temperature	-40°C ~ +80°C	
	Storage Humidity	10% ~ 95% RH	
Safety & EMC	Safety Standards	EN1437-1, EN61437-2-12 Approved.; IP67 design refers to EN60529	
	Withstand Voltage	I/P – O/P: 3K 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; EN61547	
Connection	Input	UL rated, 1015 18AWGx 2C (150mm)	
	Output	UL rated, 1015 14AWGx 2C (150mm)	
Others	MTBF	200K hours min. @Ta=25°C	
	Dimension (L x W x H)	187 x 52 x 37mm	
	Packing (L x W x H)/ Carton	290 x 340 x 230mm; 25pcs/ 16.5Kg	
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.		