

# LD012L

12W AC-DC Constant Voltage LED Driver

## PRODUCT FEATURE

- Universal Input / Full range (up to 264VAC)
- Constant Current design
- Class 2 Power Supply Unit
- Fully isolated plastic case
- 2 Years Warranty
- Protections: Over Temperature/ Short Circuit



## WARRANTY

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

## AVAILABLE MODEL

Project Name:	
Type:	

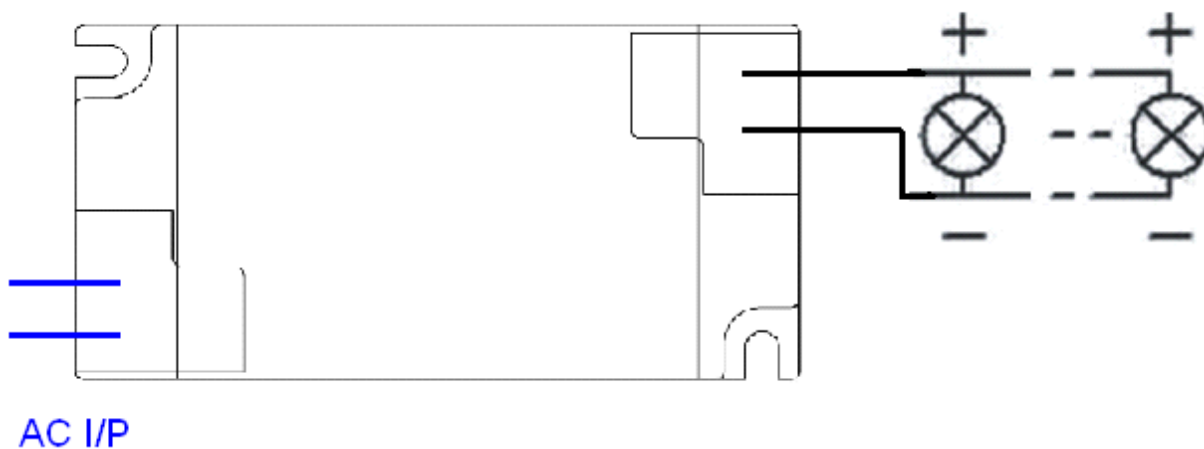


FEATURES		MODEL NO.		
		LD012L-VU12009-PI	LD012L-VU10012-PI	LD012L-VU05024-PI
INPUT	Voltage & Frequency Range	100 – 240VAC; 50Hz/ 60Hz		
	AC Current (Max.)	0.28A at 115VAC/ 0.16A at 230VAC		
	Power Factor	>0.55 at 115VAC/ 0.45 at 230VAC with full load		
	Inrush Current (Max.)	< 30 A at 240 VAC		
	Leakage Current	< 1mA /240VAC		
OUTPUT	DC Voltage Range	9± 0.45V	12 ± 0.6V	24 ± 1.2V
	Constant Current Range	1200mA ± 6%	1000mA ± 5%	500mA ± 5%
	Rated Max. Power	12W		
	Ripple & Noise (Max.) Note.2	2.4 Vp-p	2.4 Vp-p	3.6 Vp-p
	Efficiency Note.1	75%	75%	87%
PROTECTIONS	Over Current	N/A		
	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed.		
ENVIRONMENT	Working Temperature	-10°C – 40°C ambient operating at full load (Refer to output load derating curve)		
	Working Humidity	20% ~ 90% RH non-condensing.		
	Storage Temperature Humidity	-20 - + 80°C, 10% - 90%RH		
Safety & EMC	Safety Standards	Meet EN61347-1,EN61347-12-13		
	EMC Standards Note. 3	Meet EN55015,EN61000-4-2,3,4,5,6,8,11, EN61547		
	Withstand Voltage	I/P - O/P: 3.75 KVAC		
	Isolation Resistance	I/P O/P:100M ohms / 500VDC at 25		
Connection	Input	Wall mounted Plug-in for USA or Euro option		
	Output	UL rated, 20AWG v 2 C( 150 mm) with DC Jack 5.5x2.1mm		
OTHERS	MTBF	100K hours min. @Ta=25°C		
	Dimension (L x W x H)	67 x 27 x 64(37)mm for USA; 68 x 28.4 x 75.2 (37)mm for Euro		
	Packing (L x W x H) / Carton	520 x 420 x 220mm; 100pcs/ 15.5g		
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 bandwidth oscilloscope and with 0.1uf & 47uf parallel capacitor. 3. The power supply is considered a component which will be installed a final equipment must be reconfirmed that it still meets EMC directives.			

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## WIRING DIAGRAM



## MECHANICAL DIMENSION

