

# 01 Series



## 3-6W AC-DC Constant Current LED Driver



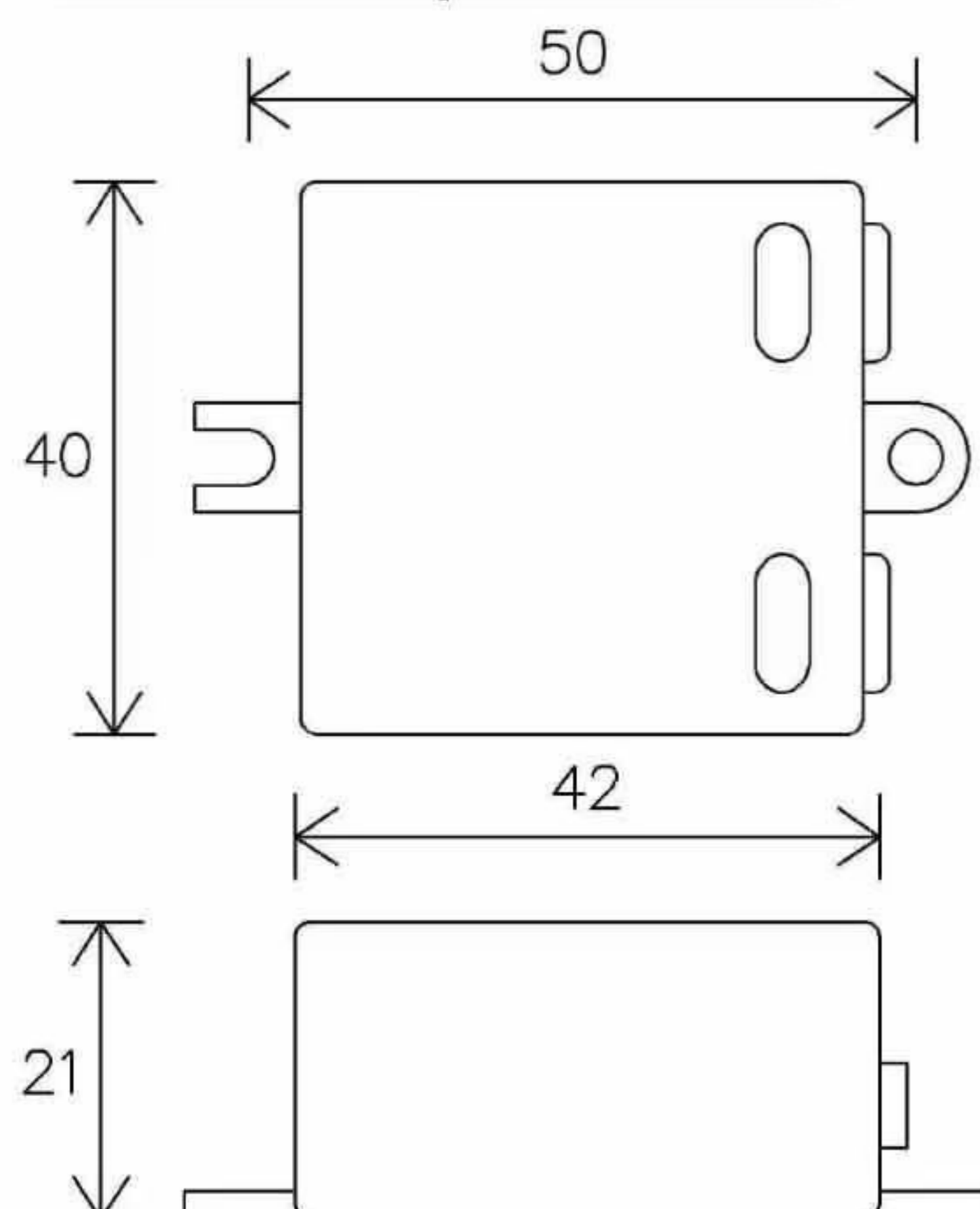
### Features

- Universal AC input /Full range (up to 264 VAC)
- Constant current design
- Class 2 Power Supply Unit
- Built-in active PFC Function
- Fully isolated plastic case
- 2 years warranty
- Protections:
  - Short Circuit
  - Over Temperature

### Specification

Model No.		LD-CU3512-01	LD-CU7012-01
Input	Voltage & Frequency Range	100-240VAC; 50Hz/60Hz	
	AC Current (Max.)	0.48A at 115Vac/0.085A at 230Vac	
	Power Factor	> 0.48 at 115Vac / > 0.4 at 230Vac with full load.	
	Inrush Current (Max.)	20A at 240VAC	21A at 240VAC
	Leakage Current	< 1mA / 240Vac	
Output	DC Voltage Range ( VF)	3-12V(*VF=10.5V)	3-12V(*VF=8.5V)
	Constant Current Range	350mA $\pm$ 5%	700mA $\pm$ 5%
	Rated Max. Power	3W	6W
	Ripple & Noise(Max.) note.2	3.0Vp-p	3.6Vp-p
	Efficiency note.1	62%	59%
Protections	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed	
Environment	Working Temp.	-10°C~40°C ambient operating at full load	
	Working Humidity	20% ~ 90% RH non-condensing.	
	Storage Temp.,Humidity	-20 ~ +80°C,10% ~ 90% RH	
Safety & EMC	Safety Standards	meet EN61347-1,EN61347-2-13 , UL1310	
	EMC Standards note.3	meet EN55015,EN61000-4-2,3,4,5,6,8,11 ,EN61547	
	Withstand Voltage	I/P-O/P:3.75KVAC	
	Isolation Resistance	I/P-O/P:100M ohms / 500VDC at 25°C	
Connection	Input	2P screw terminal block	
	Output	2P screw terminal block	
Others	MTBF	100K hours min. @Tcase=25°C	
	Dimension(L*W*H)	42 * 40 * 21mm	
	Packing(L*W*H)/Carton	270 * 260 * 180mm;100pcs/4.8Kg	
Note	1. Reference 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. The final equipment must be re - confirmed that it still meets EMC directives.		

### Machenal Specification:



### Wiring Diagram

