

## Model: LCxxxx-03 Series (3~9 Watts single output)

### Features

- For High Brightness Light-Emitting Diode products.
- Universal AC input 90~264VAC.
- Fully isolated plastic case.
- Built-in Constant Current limiting design.
- Operation from -10°C~40°C full load.
- Protections: OVP / OLP/ SCP.
- Class II power design without earth pin.

### Approvals



### Size

86 \* 45 \* 26 mm (L\*W\*H)

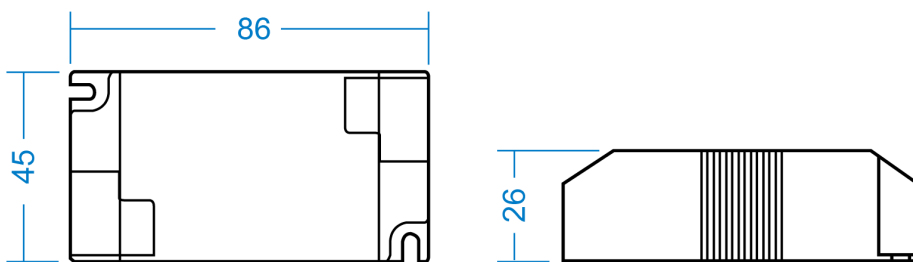


### Specifications

Model No.		GP-LC7012-03
Output	LED Operation Voltage	3-12VDC
	Max. Rated Current Range	700mA ± 6%
	Rated Max. Power	6W
	Efficiency (Typ.) 230VAC	75%
	Rise Time	<250ms at full load
Input	Voltage Range	90VAC ~ 264VAC
	Frequency Range	47 Hz ~ 63 Hz
	AC Current	0.2A at 115VAC / 0.1A at 230VAC
	Inrush Current	No components will be stressed over its max specification according to I2T
	Leakage Current	<0.25mA / 240 VAC
Protections	Over Load	100~135% rated output power recovers automatically after fault condition has been removed.
	Short Circuit	Type: Hiccup mode, Recovers automatically after fault condition is removed.
	Over Voltage	105-120% rated output Voltage
Environment	Operation Temp.	-10 ~ 40°C Full Load
	Operation Humidity	20% ~ 95% RH non-condensing.
	Storage Temp.	-20 ~ +80°C
	Storage Humidity	10% ~ 95% RH
	Vibration	10~500 Hz, 2G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes.
Safety & EMC	Safety Standards	meet EN61347-1, EN61347-2-13
	Withstand Voltage	meet I/P - O/P: 3.75K VAC
	Isolation Resistance	meet >100M ohms / 500VDC at 25°C
	EMI Conduction & Radiation	meet EN55015
	Harmonic Current	Compliance to EN61000-3-2 Class C, EN61000-3-3
	EMS Immunity	meet EN61547, EN61000-4-2, 3, 4, 5, 6, 8, 11

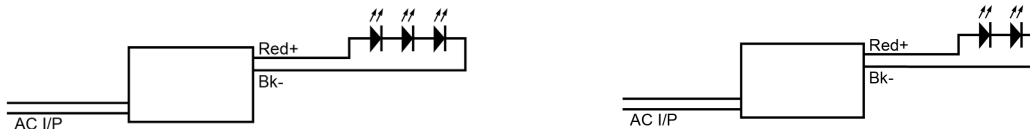
Others	MTBF	400K hours min.MIL-HDBK-217F(25°C)
	Dimension(L x W x H)	86 x 45 x 26 mm; 67g/pcs
Note	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.</li> <li>2. Constant current operation region is within the specified output voltage range above. This is the suitable operation region for LED related applications.</li> <li>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.</li> </ol>	

**Dimension**



**Configuration arrays when using Hi power LEDs**

LC3512-03 driver at 350mA/LED : from 1 to 3 LEDs in series LC7012-03 driver at 700mA/LED : from 1 to 2 LEDs in series



LC3536-03 driver at 350mA/LED : from 1 to 8 LEDs in series LC7021-03 driver at 700mA/LED : from 1 to 3 LEDs in series

