

Model: LCxxxx-03 Series (1~9 Watts single output)

Features

- For High Brightness Light-Emitting Diode products.
- Universal AC input 90~264V AC.
- 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)

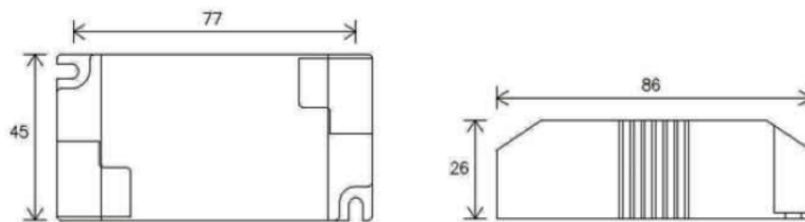


Specifications

Model No.		GP-LC3512-03	GP-LC3536-03	GP-LC7012-03	GP-LC7021-03
Output	LED Operation Voltage <small>Note.2</small>	3-12V DC	3-36V DC	3-12V DC	3-21V DC
	Max. Rated Current Range	350mA	350mA	700mA	700mA
	Rated Max. Power	3W	8W	6W	9W
	Efficiency (Typ.) 230Vac	75%	75%	75%	75%
	Rise Time	<250ms at full load			
Input	Voltage Range	90V AC ~ 264V AC			
	Frequency Range	47 Hz ~ 63 Hz			
	AC Current	0.2A at 115V AC / 0.1A at 230V AC			
	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 aotomatically 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.			

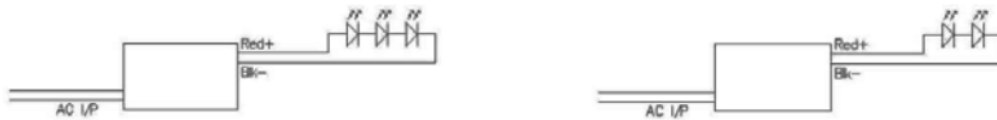
Safety & EMC	Safety Standards	meet EN61347-1, EN61347-2-13
	Withstand Voltage	meet I/P - O/P: 3.75K VAC
	Isolation Resistance	meet >100M ohms / 500VDC at 25°C
	EMI Conduction & Radiation	meet EN55015
	Harmonic Current	Compliance to EN61000-3-2 Class C, EN61000-3-3
	EMS Immunity	meet EN61547, EN61000-4-2, 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 26mm
	Packing (L x W x H)/Carton	40x 27x 24cm: 100PCS/Carton
	Weight	90kg
Note	<p>1. All parameters NOT specially mentioned are measured at 230Vac input, rated load and 25°C ambient temperature.</p> <p>2. Constant current operation region is within the specified output voltage range above. This is the suitable operation region for LED related applications.</p> <p>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.</p>	

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

