

## Model: GP-LCxxxx-04 Series (16~18 Watts single output)

### Features

- Universal AC Input 90~264VAC with PFC Function.
- Built-in Constant Current Limiting Design.
- For High Brightness Light-Emitting Diode Products.
- Fully Isolated Plastic Case.
- Operation from -10°C~40°C Full Load.
- Protections: OVP / OLP/ SCP.
- Class II Power Design Without Earth Pin.

### Approvals



### Size

141 \* 45 \* 26 mm (L\*W\*H)

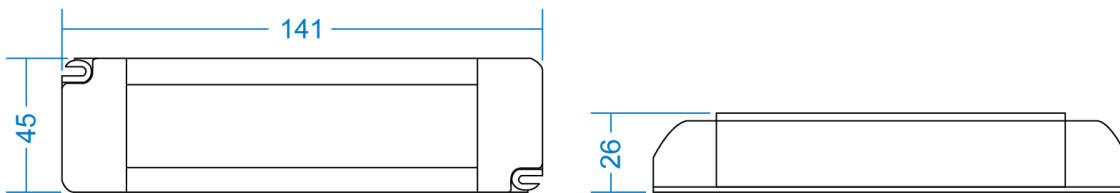


### Specifications

Model No.		GP-LC3554-04	GP-LC7034-04
Output	LED Operation Voltage	10-54VDC	3-34VDC
	Rated Current Range	350mA ±6%	700mA ±6%
	Rated Max. Power	16W	18W
	Efficiency (Typ.) 230VAC	80%	80%
	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	
	Power Factor	>0.99 at 115VAC / >0.95 at 230VAC with full load	
	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	

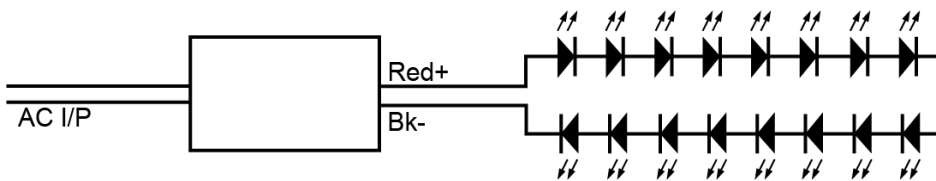
Others	MTBF	400K hours min.MIL-HDBK-217F(25°C)
	Dimension(L x W x H)	141 x 45 x 26mm; 192g/pcs
Note	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.</li> <li>2. Constant current operation region is 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**

LC3554-04 : With the 350mA Output Current / To driver at 350mA / LED: from 3 to 16 LEDs



LC7034-04 : With the 700mA Output Current / To driver at 700mA / LED: from 1 to 6 LEDs in series

