

Model: GP-LC3536-05 (12 Watts single output)

▪ Features

- Universal AC Input 90~264VAC.
- Constant Current Operation.
- For High Brightness Light-Emitting Diode Products.
- Fully Isolated Plastic Case.
- Protections:OTP/OLP/ SCP.
- Operation from -20°C ~50°C at Full Load.
- Class II Power Design Without Earth Pin.
- Tc Point Measured ,Max Case Temperature:70°C.

▪ Approvals



▪ Size

65 x 50 x 28 mm (L x W x H)

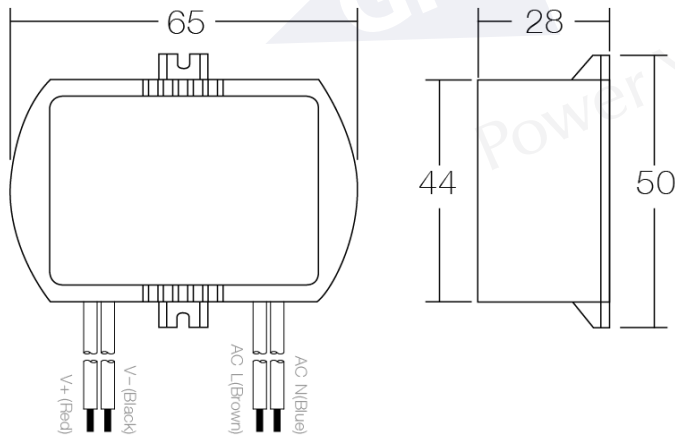


▪ Specifications

Model No.		GP-LC3536-05
Output	LED Operation Voltage	3-36VDC
	Rated Current Range	350mA ± 6%
	Rated Max. Power	12W
	Efficiency (Typ.) 230VAC	75%
	Rise Time	<250ms at full load
Input	Voltage Range	90V AC ~ 264VAC
	Frequency Range	47 Hz ~ 63 Hz
	AC Current	0.3A at 115V AC / 0.15A at 230V AC
	Inrush Current	10A
	Leakage Current	<0.25mA / 240VAC
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.
Environment	Operation Temp	-20°C ~50°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	EN61347-1, EN61347-2-13
	Withstand Voltage	I/P - O/P: 3.75K VAC
	Isolation Resistance	>500M ohms / 500VDC at 25°C
	EMI Conduction & Radiation	EN55015
	Harmonic Current	Compliance to EN61000-3-2 Class C,EN61000-3-3
	EMS Immunity	EN61547, EN61000-4-2, 3, 4, 5, 6, 8, 11
Others	MTBF	200K hours min.MIL-HDBK-217F(25°C)
	Dimension(L x W x H)	65 x 50 x 28mm; 100.2g/ pcs

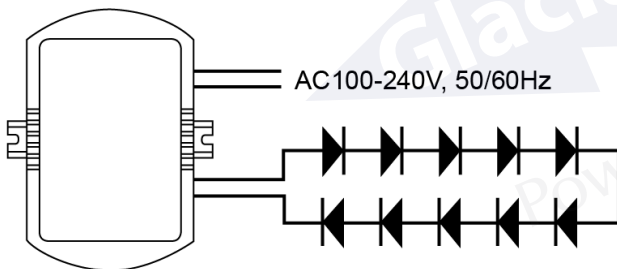
Note	<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature. 2. Constant current operation region is within the specified output voltage range above. This is the suitable operation region for LED related applications. 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.
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▪ **Mechanical Specification:** Output connector with screw type

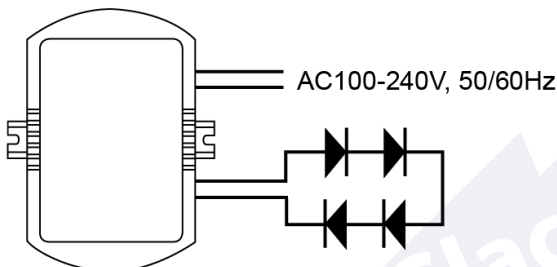


▪ **Configuration arrays when using Hi power LEDs**

- GP-LC3536-05: Supply up to 10pcs of 1.2 W 350mA LEDs



- GP- LC7017-05: Supply up to 4pcs of 3W 700mA LEDs



Note 1: Lamps must be wired in parallel, and total value of amp should be under rated Max Amp.

Note 2: Parameter measured at full load 25°C ambient temperature.

Note 3: Two years warranty.