


Model: LC***-04 Dimming Series

Approvals : 

9 Watts single output

Features:

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

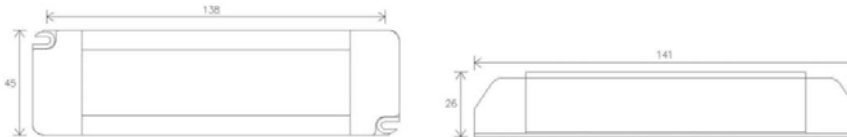
- * For High Brightness Light-Emitting Diode products.
- * Universal AC input 90-264V Ac with PFC function.
- * Fully isolated plastic case.
- * Built-in Constant Current limiting design.
- * Operation from -10°C~40°C full load.
- * Protections: OVP / OLP/ SCP .
- * Class II power design without earth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



Specifications:

Part No.		GP-LC3536-04D	GP-LC7012-04D
Output	LED Operation Voltage <small>Note.2</small>	3-36V Dc	3-12V Dc
	Rated Current Range	350mA±6%	700mA±6%
	Rated Max. Power	10W	9W
	Dimming Control	1-10v electronic potentiometer/PWM controller 20-2k HZ.	
	Efficiency (Typ.) 230Vac	75%	75%
	Rise Time	<250ms at full load	
Input	Voltage Range	90 Vac ~ 264 Vac	
	Frequency Range	47 Hz ~ 63 Hz	
	AC Current	0.2A@115VAC / 0.1A@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°C~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 80 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	>100M ohms / 500VDC at 25 °C.	
	EMI Conduction & Radiation	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	MTEF	200K hours min. MIL-HDBK-217F(25°C)	
	Dimension(L*W*H)	141*45*26mm	
	Packing(L*W*H)/Carton	47*34*28cm:50pcs/Carton	
	Weight	150g	
Remark	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.		

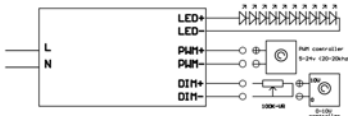
Dimension: Output connector with screw type.



Configuration arrays when using Hi power LEDs

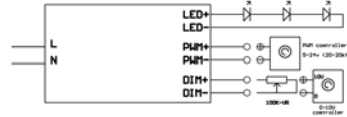
With the 350mA Output Current

GP-LC3536-04D driver at 350mA/LED : from 3 to 10 LEDs in series



With the 700mA Output Current

GP-LC7012-04D driver at 700mA/LED : from 1 to 3 LEDs in series



Dimmer: For standard dimming 1-10v electronic potentiometer wire up to 10 pcs dimmable drivers. (EC011 Charged additional)



Dimmer : EC011

Important information

1. The LED Driver must be installed by qualified electricians only.
2. Switch off the light before installation and all leds must be completely wired and connected before switching on !!
3. Switch off the power supply and wait five seconds before making any change in the secondary circuit.
4. To check if the LED units are designed with current or voltage type. If misused, they will be damaged.
5. The LED Driver is intended for indoor use only