

Model: LC****-08 Series

Approvals :

1~9 Watts single output

Features:

Size 50*34*23 mm (L*W*H)

- * For High Brightness Light-Emitting Diode products.
- * Universal AC input 90-264Vac.
- * Fully isolated plastic case with IP65.
- * 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:

Model No.		LC3512-08	LC3536-08	LC7012-08	LC7021-08
Output	LED Operation Voltage <small>Note. 2</small>	3-12V Dc	3-36V Dc	3-12V Dc	3-21V Dc
	Rated Current Range	350mA±6%	350mA±6%	700mA±6%	700mA±6%
	Rated Max. Power	3W	8W	6W	9W
	Efficiency (Typ.) 230Vac	75%	75%	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℃~40℃ full load .			
	Operation Humidity	20% ~ 95% RH non-condensing.			
	Storage Temp.	-20 ~ +80℃			
	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 , IP65 Approved.			
	Withstand Voltage	meet L/P - O/P: 3.75K VAC			
	Isolation Resistance	meet >100M ohms / 500VDC at 25 ℃.			
	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℃)			
	Dimension(L*W*H)	50*34*23 mm (L*W*H)			
	Packing(L*W*H)/Carton	36*24*23cm:100pcs/Carton			
	Weight	105g			
Remark	1. All parameters NOT specially mentioned are measured at 230Vac input, rated load and 25 ℃ 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.				

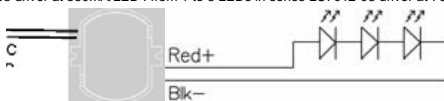
Dimension: Output connector with stripped type.

◆ Mechanical Dimension (mm)



Configuration arrays when using Hi power LEDs

LC3512-08 driver at 350mA/LED : from 1 to 3 LEDs in series LC7012-08 driver at 700mA/LED : from 1 to 2 LEDs in series



LC3536-08 driver at 350mA/LED : from 1 to 8 LEDs in series LC7021-08 driver at 700mA/LED : from 1 to 3 LEDs in series

