

FEATURES

- Constant current operation
- 90~295VAC Input
- For high brightness Light-Emitting Diode products
- Built-in Active PFC Function
- Fully isolated plastic case
- Protections: OVP/SCP/OTP
- Class 2

25W Constant Current LED Driver

LGUC-025 Series



SPECIFICATION

Model		LGUC-025S035PS	LGUC-025S048PS	LGUC-025S052PS	LGUC-025S070PS
Output	Voltage Range	42~52V	42~52V	35~48V	21~36V
	Constant Current	350 mA	480 mA	520 mA	700 mA
	Ripple & Noise (2)	4V	4V	3V	3V
	Turn-on Delay Time (typ-max)	2.5 sec / 115 Vac			
	Leakage	<0.25mA / 230V AC			
Input	Voltage Range	90V AC ~295V AC			
	Frequency Range	47Hz ~63Hz			
	PFC	120VAC	0.98	0.98	0.98
		240VAC	0.9	0.9	0.9
	Efficiency (Typ.) at 240V AC	82.0%	84.0%	83.0%	85.0%
	Inrush Current	COLD START 20A @ 264V AC			
	AC Current (Typ.)	0.25A @ 115V AC / 0.1A @ 230V AC			
Protections	Short Circuit	No damage shall occur when any output operating in a short circuit condition. The power shall be auto-recover mode when the fault condition is removed. (HICCUP MODE)			
	Over Temperature	AUTO-RECOVER MODE			
	Over Voltage (Typ.)	110%~150% Output Voltage			
Environmental	Temperature Range	Operational		- 20°C ~ 50°C	
		Storage		- 40 ~ +85°C	
	Humidity	Operational		20% ~ 95% RH	
		Storage		10% ~95% R.H	
Safety & EMC	Safety Standards	UL8750, EN61347-1, EN61347-2-13, INDEPENDENT : IP APPROVED			
	EMI Conduction & Radiation	Meet Compliance to EN55015, FCC part 15			
	EMS Immunity	EN61000-4-2,3,4,5,6,11,EN61547			
Others	MTBF	200,000 HOURS			
	Life Time				
	Dimension	Millimeters (L*W*H) 174.5*30.5*25mm			
	Weight	0.22 kg			



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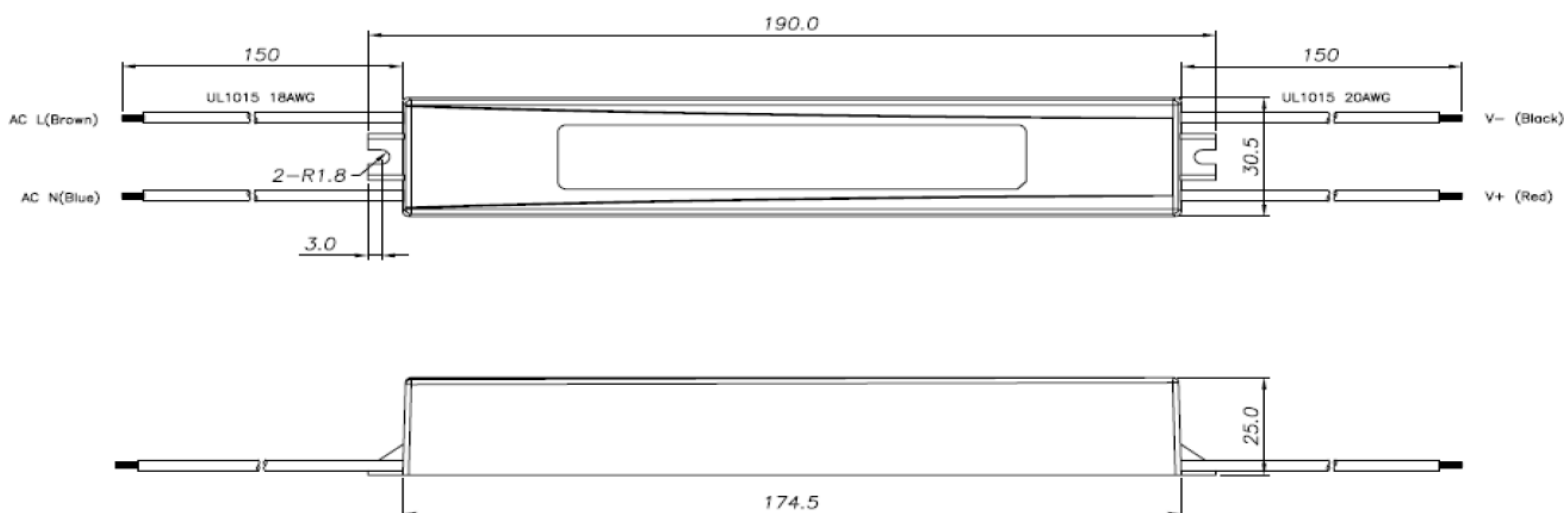
Model		LGUC-025S105PS	LGUC-025S140PS	LGUC-025S210PS
Output	Voltage Range	16~24V	12~18V	8~12V
	Constant Current	1050 mA	1400 mA	2100 mA
	Ripple & Noise (2)	3V	3V	3V
	Turn-on Delay Time (typ-max)	2.5 sec / 115 Vac		
	Leakage	<0.25mA / 230V AC		
Input	Voltage Range	90V AC ~295V AC		
	Frequency Range	47Hz ~63Hz		
	PFC	120VAC	0.98	0.98
		240VAC	0.9	0.9
	Efficiency (Typ.) at 240V AC	84.0%	83.0%	82.0%
	Inrush Current	COLD START 20A @ 264V AC		
	AC Current (Typ.)	0.25A @ 115V AC / 0.1A @ 230V AC		
Protections	Short Circuit Protection	No damage shall occur when any output operating in a short circuit condition. The power shall be auto-recover mode when the fault condition is removed. (HICCUP MODE)		
	Over Temperature Protection (Typ.)	AUTO-RECOVER MODE		
	Over Voltage (Typ.)	110%~150% Output Voltage		
Environmental	Temperature Range	Operational	- 20°C ~ 60°C	
		Storage	- 40 ~ +85°C	
	Humidity	Operational	20% ~ 95% RH	
		Storage	10% ~95% R.H	
Safety & EMC	Safety Standards	UL8750, EN61347-1, EN61347-2-13, INDEPENDENT : IP APPROVED		
	EMI Conduction & Radiation	Meet Compliance to EN55015, FCC part 15		
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	Weight	0.22 kg		



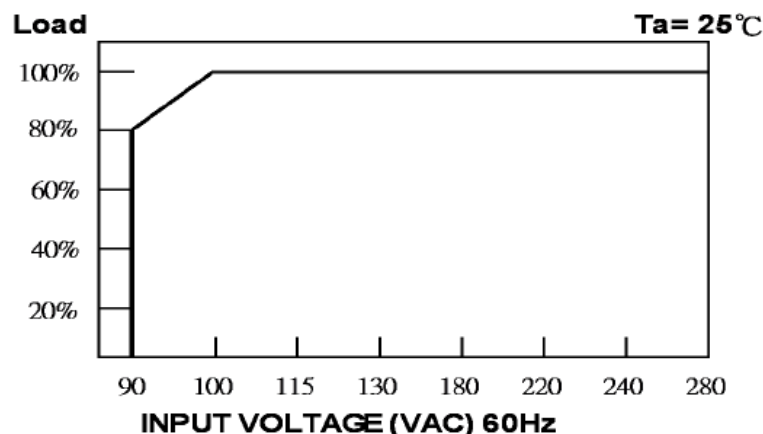
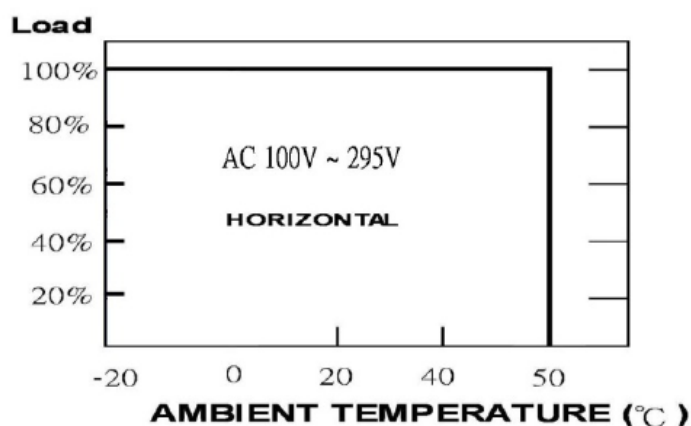
NOTE:

1. All specifications not specially mentioned are measured at 230V AC and 25°C ambient temperature.
2. Ripple & Noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with 0.1uf & 47uf Parallel capacitor.

Mechanical Specifications



Derating Character



PART NUMBER SCHEME

LGUC-025S052PS

L= led driver G=family

U=Universal input 90~264Vac

Constant current

S= standard 2 pin UL

Plastic case

Rated current

Single Output

Total power

