

FEATURES

30W Constant Current LED Driver

LGUC-030 Series

- Universal AC input 90~264Vac
- Class 2 Power Supply Unit
- Withstand 277Vac surge input for 10 sec.
- Built-in Active PFC Function
- IP67
- RoHS Compliant



SPECIFICATIONS

Model #	Voltage Range	Rated Current	Max. Power	Ripple & Noise (2)	Dimming Control	Efficiency @ 115VAC
LGU-030S042-070PSC	20~42V	700mA	29.4W	4Vp-p	Yes	84%
LGU-030S048-070PSC	5~48V	700mA	33.6W	4Vp-p	No	86%
LGU-030S030-105PSC	5~30V	1050mA	31.5W	3Vp-p	No	85%
LGU-030S024-125PSC	14~24V	1250mA	30W	3Vp-p	No	84%
LGU-030S012-250PSC	7~12V	2500mA	30W	3Vp-p	No	82%

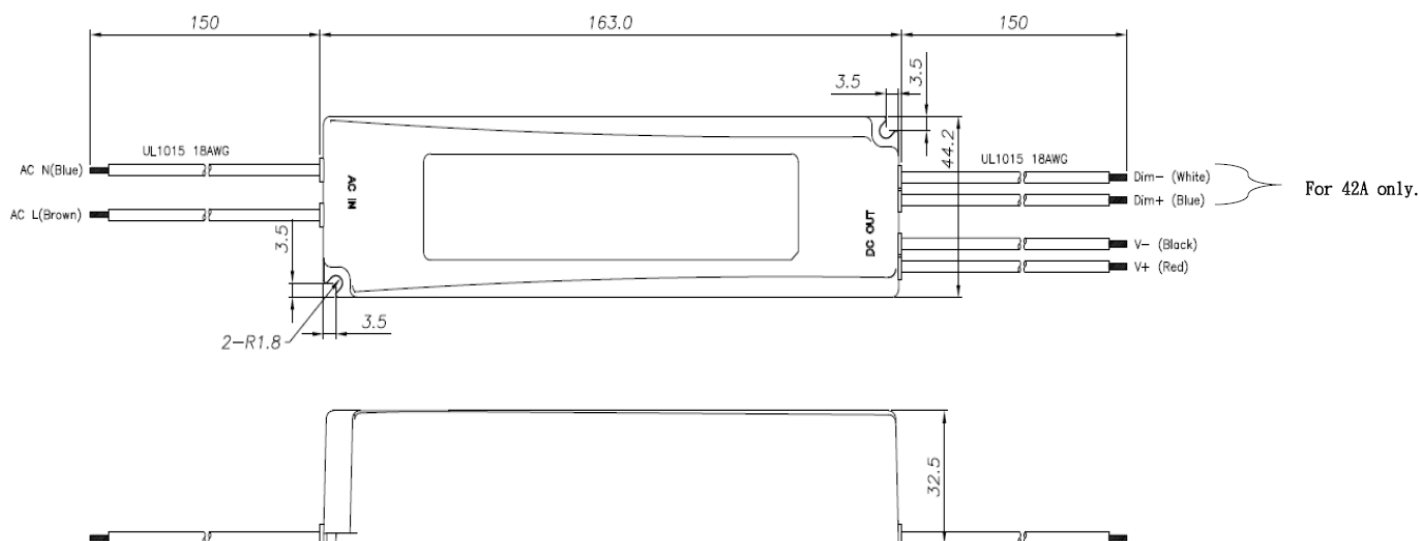
Output	Current Tolerance	+10% -10%	
	Voltage Tolerance	+5% -5%	
	Turn-on Delay Time	1 sec. @230VAC / 2 sec @ 115VAC, at Full load	
	Leakage	<0.5mA / 240VAC	
Input	Voltage Range	90~264VAC or 127~370VDC	
	Frequency Range	47Hz~63Hz	
	AC Current	0.4A @ 115VAC / 0.25A @ 230VAC	
	PF	0.95 @ 115VAC / 0.85 @ 230VAC	
	Inrush Current	60A @ 230VAC	
Protections	Over Current	90~110% rated current for constant current models. Type: Hiccup and recovers after fault condition disappears. 120~160% rated current for constant voltage models.	
	Short Circuit	Type: Hiccup and recovers after condition disappears	
	Over Voltage	Type: Auto-recovery mode	
	Over Temperature	Type: Auto-recovery mode	
Environmental	Temperature Range	Operational	-20°C~70°C
		Storage	-40°C~80°C
	Humidity	Operational	20%~90%
		Storage	10%~90% RH
Safety & EMC	Safety Standards	UL1310 CLASS 2, EN61347-1, EN61347-2-13, IP67 APPROVED	
	EMI Conduction & Radiation	Meet Compliance to EN55015	
	EMS Immunity	EN61547,EN61000-4-2,3,4,5,6,11,EN61547	
Others	MTBF	200,000 hours	
	Dimension	(L*W*H) 163*45*33	
	Weight	370g	



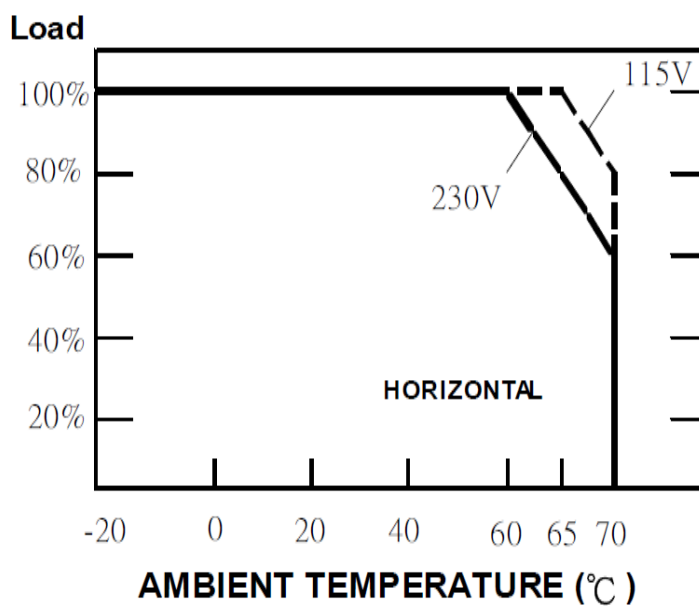
Note:

1. This range is only for constant current operation.
 2. Ripple & Noise are measured at 20MHz bandwidth with 0.1uf ceramic & 47uf electrolytic capacitors in parallel.
 3. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance.
- All specifications not specially mentioned are measured at 115Vac and 25°C ambient temperature.

Mechanical Specification



Derating curve



PART NUMBER SCHEME

LGU-030Svvv-aaaPSC

L=LED Driver "G" Series

U= Universal Input 90~264Vac

030= Output Power (Watts)

S= Single Output

C= Constant Current

S = class II, 2 wire Input

P=Plastic Case

S = Single Output

vvv= Max Voltage

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AUTEC IS NOT RESPONSIBLE FOR ISSUES ARISING FROM ERRORS OR OMMISIONS

