

## FEATURES

## LGWC-030 Series

## 30W Constant Current

- Universal AC input 90~264Vac
- Class 2 Power Supply Unit
- Withstand 277Vac surge input for 10 sec.
- Built-in Active PFC Function
- Protections : OVP/OC/SCP/OTP
- Fully Insulated Case with IP67 Level



## SPECIFICATION

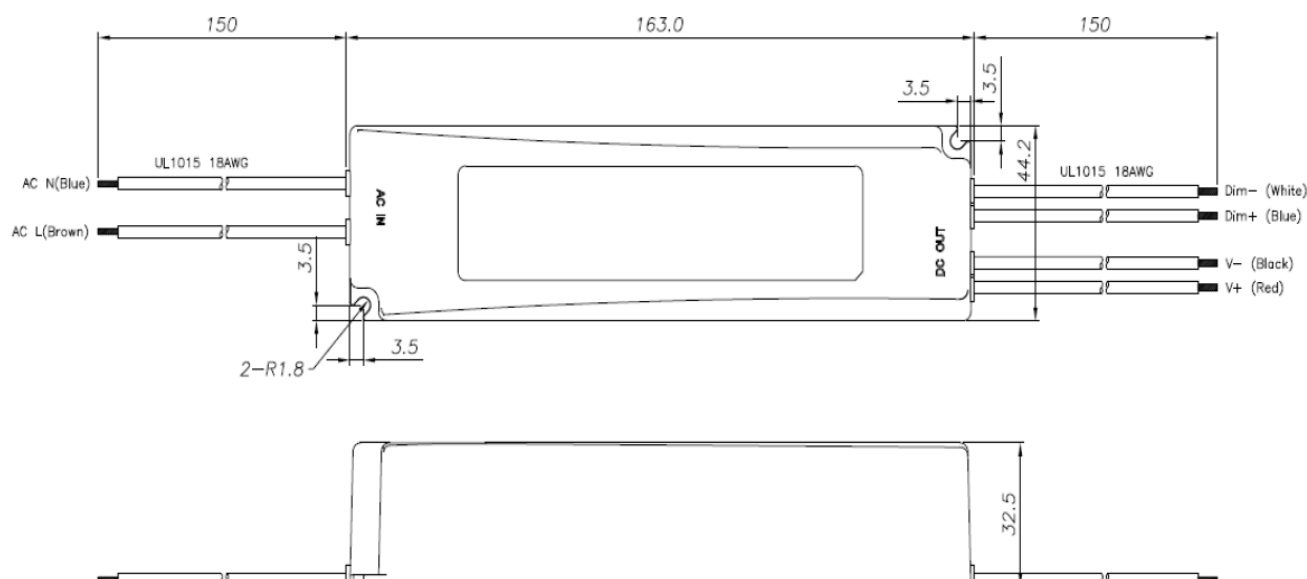
Model		LGUC-030S250PS	LGUC-030S125PS	LGUC-030S105PS	LGUC-030S070PS	LGUCD030S070PS	
Output	Voltage Range	12V	24V	30V	48V	42V	
	Dc Voltage Range (note 1)	7~12V	14~24V	5~30V	5~48V	20~42V	
	Rated Current	2500 mA	1250 mA	1050 mA	700 mA	700 mA	
	Current Tolerance	+10%, -10%	+10%, -10%	+10%, -10%	+10%, -10%	+10%, -10%	
	Max. Power	30W	30W	31.5W	33.6W	29.4W	
	Ripple & Noise (2)	3Vp-p	3Vp-p	3Vp-p	4Vp-p	4Vp-p	
	Dimming control	No	No	No	No	Yes	
	Voltage Tolerance (3)	+5%, -5%					
	Turn-on Delay Time (typ-max)	1 sec. / 230Vac, 2 Sec. / 115Vac, at full load.					
	Efficiency at 115Vac (Typ)	82%	84%	85%	86%	84%	
Input	Voltage Range		90~264 Vac or 127 ~ 370Vdc				
	Frequency Range		47Hz ~63Hz				
	Ac Current (Max)		0.4A at 115Vac / 0.25A at 230Vac				
	PFC	115	0.95	0.95	0.95	0.95	
		230	0.85	0.85	0.85	0.85	
	Leakage		<0.5mA / 240 Vac	<0.5mA / 240 Vac	<0.5mA / 240 Vac	<0.5mA / 240 Vac	
	Inrush Current		60A at 230 Vac				
Protections	Over Current		90~110% rated current for constant current models. Type: Hiccup and recovers after fault condition disappeared. 120~160% rated current for constant voltage models.				
	Short Circuit		Type: Hiccup and recovers after fault condition disappeared.				
	Over Voltage		16~23	28~35	35~42V	52~60V	48~53V
			Type: Auto-recpvery mode				
	Over Temperature		Tcase: 95°C ±10%				
Type: Auto-recovery Mode.							
Environmental	Environment	Operational	- 20°C ~ 70°C				
		Storage	- 40 ~ +80°C				
	Humidity	Operational	20% ~ 90% RH				
		Storage	10% ~90% R.H				
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		Millimeters (L*W*H) 163*45*33				
	Weight		0.37kg				



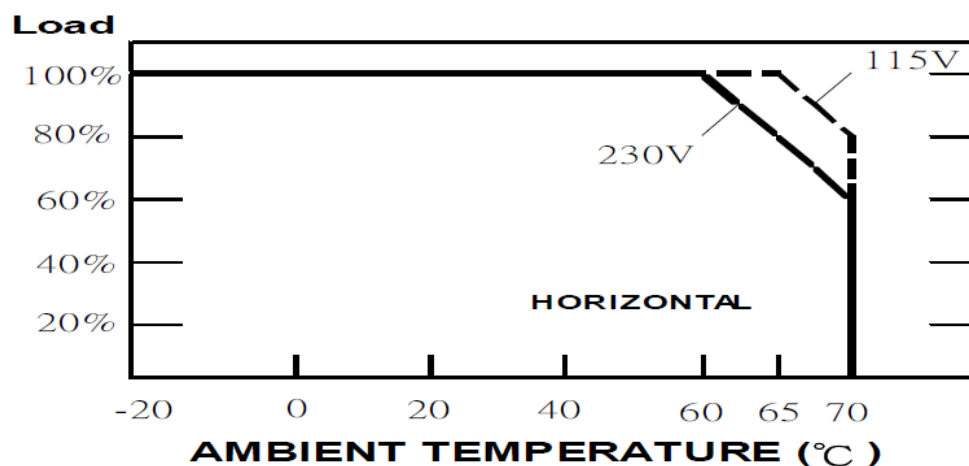
### Note

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.

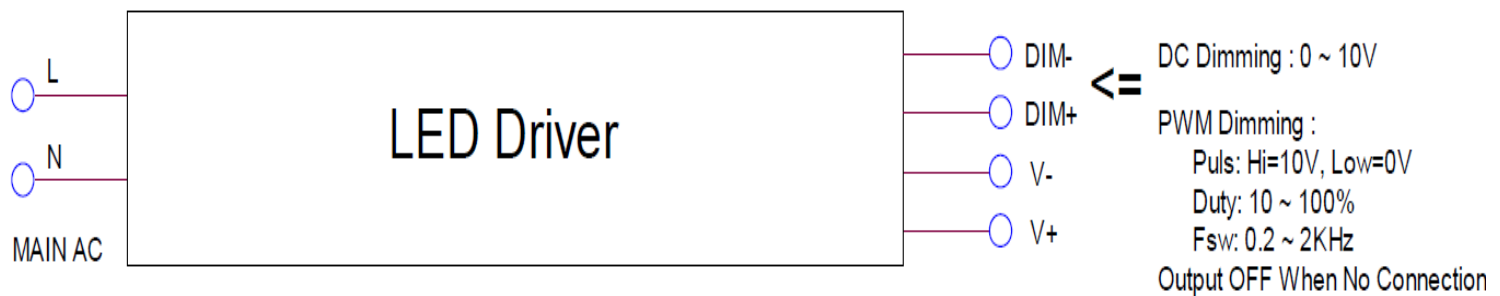
### Mechanical Specifications



### Derating Character

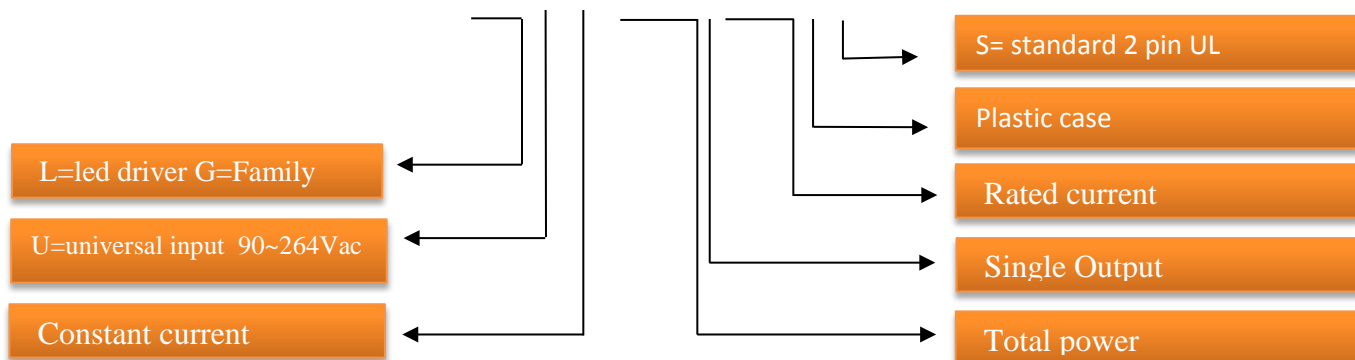


### Dimming Control



### PART NUMBER SCHEME

LGUC-030S105PS



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