

FEATURES

- For High Brightness Light-Emitting Diode products.
- Universal AC input 90~264V AC
- Fully isolated plastic case.
- Built-in 3 in 1 dimming design.
- Operation from -20°C~60°C full load
- Protections: OTP/SCP
- IP67 class

15W Constant Current With Dimming LGUCD015 Series



SPECIFICATION

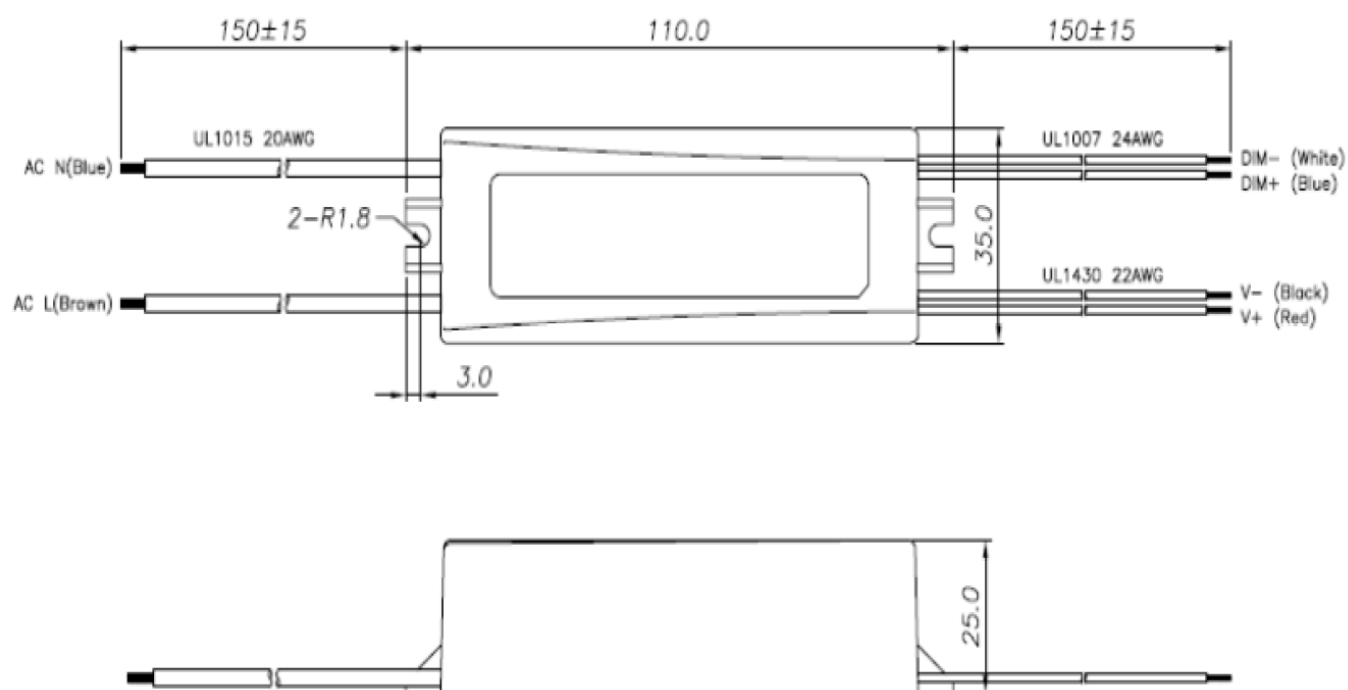
Model			LGUCD015S012PS		LGUCD015S024PS		LGUCD015S030PS		LGUCD015S042PS		
Output	DC Voltage		12V		24V		30V		42V		
	Voltage Range		8~12V		14~24V		24~30V		26~42V		
	Current Range		1250 mA		700 mA		500 mA		350 mA		
	Current Tolerance		±5%		±5%		±5%		±5%		
	DC Dimming		DC 1-10V or electronic Potentiometer 1-10V								
	Resistance Dimming		10K ~ 100KΩ								
	Turn-on Delay Time (typ-max)		<2000ms at full load								
	Leakage		<0.25mA / 230V AC								
Input	Voltage Range		90 ~ 264V AC								
	Frequency Range		47Hz ~63Hz								
	PFC	120VAC	0.88	0.88	0.88	0.88					
		240VAC	0.8	0.8	0.8	0.8					
	Efficiency @ 240V AC		80.0%	83.0%	83.0%	82.0%					
	Inrush Current		11A at 115V AC / 15A at 230V AC								
	AC Current (Typ.)		0.25A at 120V AC / 0.13 at 240V AC								
Protection	Short Circuit Protection		Protection type : Hiccup mode, recovers automatically after fault condition is removed								
	Over Temperature Protection (Typ.)		95°C ±10°C								
Environmental	Temperature Range		Operational	- 20°C ~ 60°C							
			Storage	- 40 ~ +80°C							
	Humidity		Operational	20% ~ 95% RH							
			Storage	10% ~95% R.H							
Safety & EMC	Safety Standards		Meet EN61347-1, EN61347-2-13								
	EMI Conduction & Radiation		Meet EN55015								
	EMS Immunity		Meet EN61000-4-2,3,4,5,6,8,11								
Others	MTBF		200,000 HOURS								
	Dimension		Millimeters (L*W*H) 110*35*25								
	Weight		0.14kg								



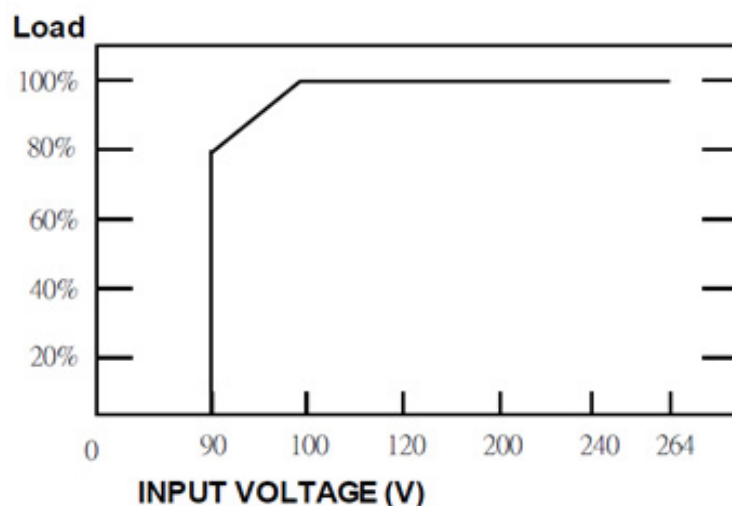
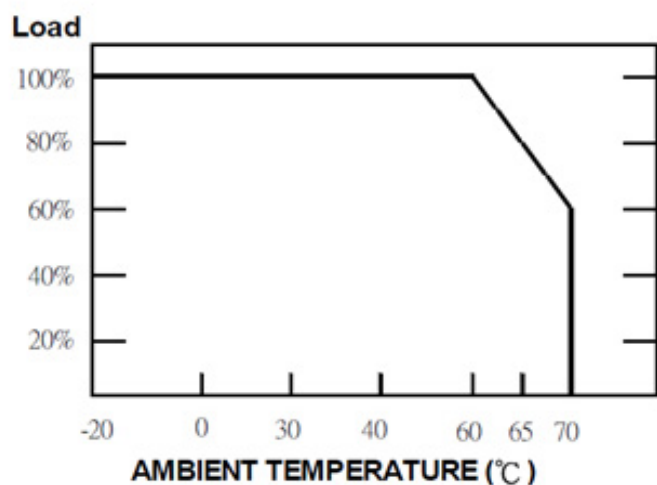
Notes

1. All parameters NOT specially mentioned are measured at 240V AC input, rated load and 25°C ambient temperature.
2. The power supply is considered a component which will be installed a final equipment. The final equipment must be re-confirmed to insure that it meets EMC directives.

Mechanical Specification



Derating Curve



(1)DC:1-10V Dimmable (typical)

DIM (Voltage)	1V	2V	3V	4V	5V	6V	7V	8V	9V	10V
Lout (%)	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%

(2)10V PWM Dimmable (Typical)

DIM(10V/PWM)	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
Lout (%)	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%

(3)10-100KΩ Resistance Dimmable(typical)

Resistance	Single driver	10KΩ	20KΩ	30KΩ	40KΩ	50KΩ	60KΩ	70KΩ	80KΩ	90KΩ	100KΩ
	Multi driver	10K/N	20K/N	30K/N	40K/N	50K/N	60K/N	70K/N	80K/N	90K/N	100K/N
Lout(%)		10%	20%	30%	40%	50%	60%	70%	80%	90%	100%

※The length of extended wire for DIM+/- shall not exceed 20 meters. (Wire ≤ 20m)

※N=The number of dimmer drivers should not exceed 15.(N ≤ 15)

PART NUMBER SCHEME

LGUCD015S050PS

