

Model: LS10P-xxA Series

Approvals : 

12 Watts single output

Features:

Size : 108 * 30.5 * 26 mm (L*W*H)

- * For High Brightness Light-Emitting Diode products.
- * Universal AC input 90~264Vac.
- * Fully isolated plastic case
- * Built-in constant current limiting design.
- * Operation from -20°C~70°C full load.
- * Protections: OVP / OLP/ SCP .
- * Class II power design without earth pin.
- * Fully Insulated Case with IP67 Level.
- * Dimming control by external Voltage of PWM or Analog
- * Cooling by free air convection



Specifications:

Model No.		LS10P-35A	LS10P-17A
Output	LED Operation Voltage <small>Note. 2</small>	4-35V	4-17V
	Rated Current Range	340mA±10%	680mA±10%
	Rated Max. Power	12W	12W
	Efficiency (Typ.)	80%	80%
	PWM Dimming and Remote ON/OFF Control	0V<Vadj<10V(100HZ-3KHZ) Figure 1. Open: DC OUT OFF, 0V: DC OUT OFF	
	Analog Dimming Control	control by external voltage 0-10VDC (for 0%-100% Dimming)	
	Set up Time	0.5s/230Vac 1s/115Vac at full load	
	Rise Time	<250ms at full load	
Input	Voltage Range	90 Vac ~ 264 Vac or 127Vdc ~ 370Vdc	
	Frequency Range	47 Hz ~ 63 Hz	
	Power Factor Correction	≥0.9/115Vac	
	AC Current	0.2A@115Vac / 0.1A@230Vac	
	Inrush Current	11A at 115VAC / 15A at 230 VAC	
	Leakage Current	<0.25mA / 240 Vac	
Protections	Over Load	100~135% rated output power	
	Short Circuit	Type: by constant current mode . Recovers automatically after fault condition is removed.	
	Over Voltage	41~48V	23~27V
Environment	Operation Temp.	-20°C~70°C full load .	
	Operation Humidity	20% ~ 95% RH non-condensing.	
	Storage Temp.	-40 ~ +80°C	
	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 , IP67 Approved.	
	Withstand Voltage	meet I/P - O/P: 3.75K VAC	
	Isolation Resistance	meet >100M ohms / 500VDC at 25 °C.	
	EMI Conduction&Radiation	meet EN55015 , FCC part 18 / class B,	
	Harmonic Current	Compliance to EN61000-3-2 Class C, EN61000-3-3	
Others	EMS Immunity	meet EN61547, EN61000-4-2, 3, 4, 5, 6, 8, 11	
	MTBF	400K hours min. MIL-HDBK-217F(25°C)	
	Dimension(L*W*H)	108*30.5*26mm	
	Packing(L*W*H)/Carton	415*283*195mm	
	Weight	100pcs/14Kg	
Remark	<p>1. All parameters NOT specially mentioned are measured at 230Vac input, rated load and 25 °C ambient temperature.</p> <p>2. Constant current operation region is within the specified output voltage range above. This is the suitable operation region for LED related applications.</p> <p>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.</p>		

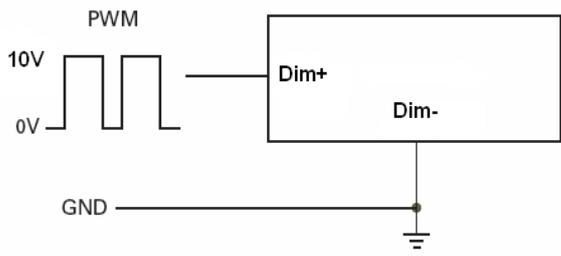
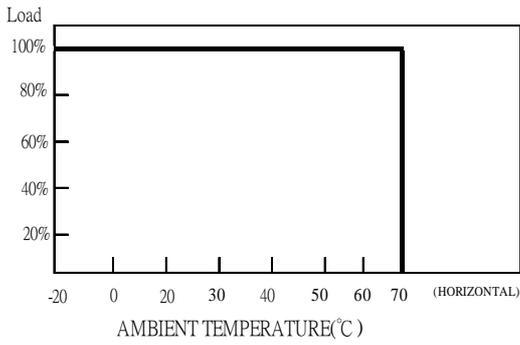
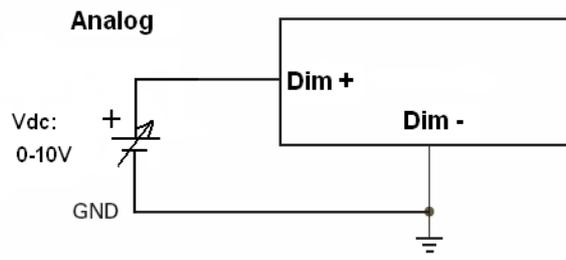
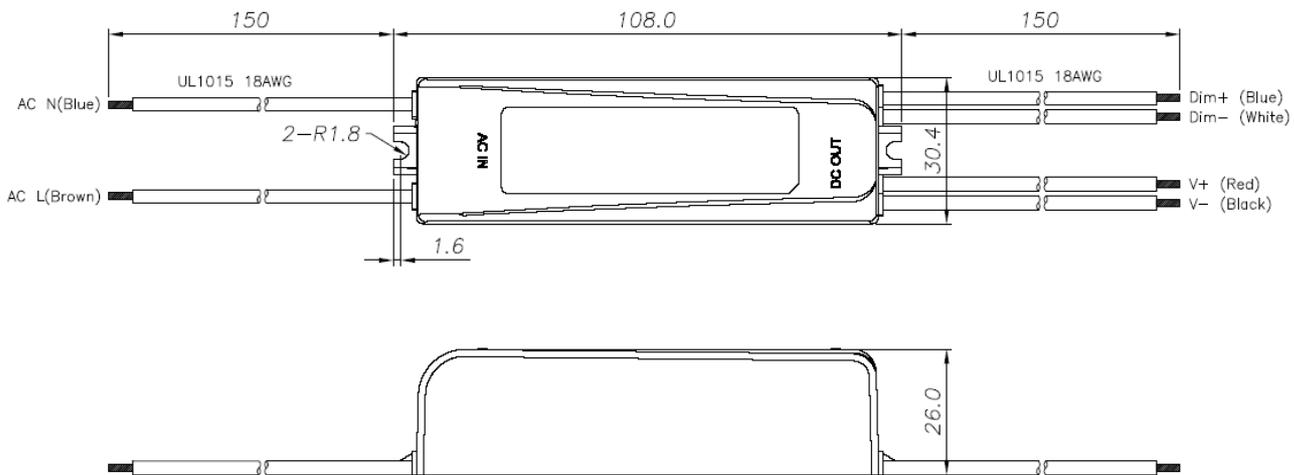


Figure 1



Mechanical Specification



Unit: mm

