

FEATURES

150W Constant Voltage LED Driver

LSWV-150 Series

- Wide AC Input 90~305VAC
- High Efficiency & High Power Factor – Meets DLC & Energy Star
- Operation from -35°C to 70°C Full Load
- Certified to UL/cUL 8750, EN61347 & CE
- Short Circuit, Over Temperature & Over Voltage Protection
- IP67
- RoHS Compliant



SPECIFICATIONS

Model #		Output Voltage (2)	Output Current Range (2)	PF (3)		Ripple & Noise (4)	Efficiency @ 220 VAC (5)
				110VAC	277VAC		
LSWV-150S024ST		24V	0-6.25 A	0.99	0.9	0.69V	90.5%
LSWV-150S036ST		36V	0-4.16 A	0.99	0.9	1.04V	91%
LSWV-150S048ST		48V	0-3.15 A	0.99	0.9	1.4V	91.5%

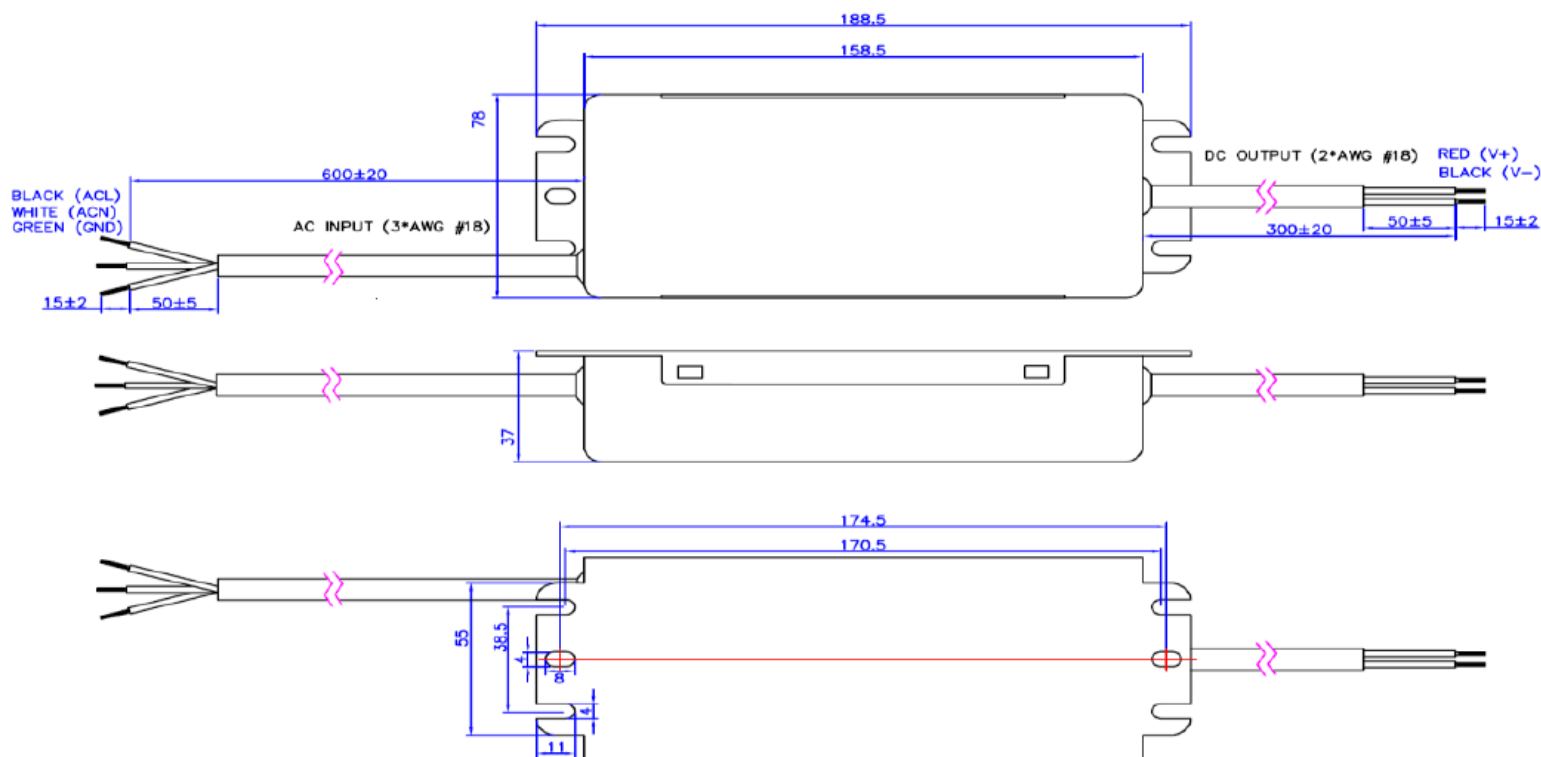
Output	Rated Power	150W					
	Line Regulation	1%					
	Load Regulation	3%					
	Turn-on Delay Time	1s-2s					
Input	Voltage Range	90~305 VAC Operating Voltage					
	Frequency Range	47Hz~63Hz					
	Inrush Current	65A @ 230V					
	AC Current	1.6A / 110V 0.7A/220V					
Protections	Short Circuit Protection	Protection type: Hiccup mode, recovers automatically after fault condition is removed					
	Over Temperature Protection	110°C Internal temperature. Auto recovery after power supply cools.					
	Over Voltage	120% of max voltage, Latch mode. The power supply shall return to normal operation only after recycling AC					
Environmental	Temperature Range	Operational	-35°C~70°C				
		Storage	-40°C~85°C				
	Humidity	Operational	10~100% RH non-condensing				
		Storage	5~100%RH				
Safety & EMC	Safety Standards	UL8750, UL935, UL1012, CSA-C22.2 No.107.1 EN61347-1, EN61347-2-13					
	EMI Conduction & Radiation	EN55015					
	EMS Immunity	EN61000-3-2, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, EN61547					
Others	MTBF	350,000 hours					
	Life Time	75,000 hours					
	Dimensions	(L*W*H)	7.40*3.07*1.46 inches (L*W*H)				188.5*78*37 mm
	Weight	900g					



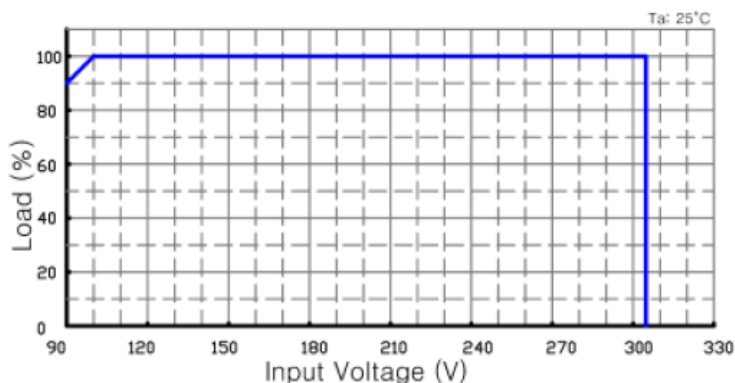
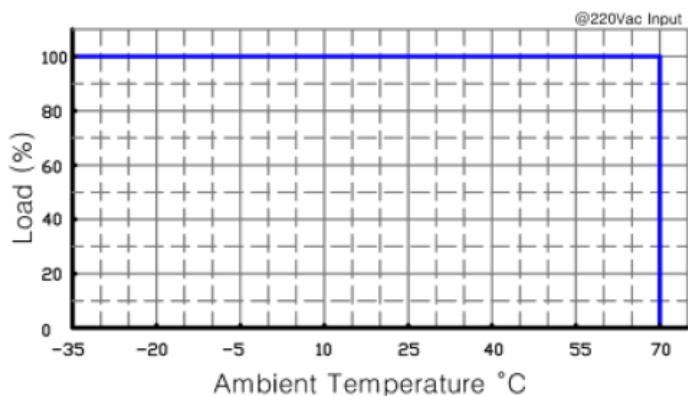
Note :

1. All specifications are typical at 25°C unless otherwise stated.
2. +/-5%
3. Values are measured at 70% load, after the unit is thermally stabilized.
4. The "Ripple & Noise" values are measured by 20MHz bandwidth oscilloscope and the output paralleled a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor.
5. Typ. at full load

Mechanical Specification

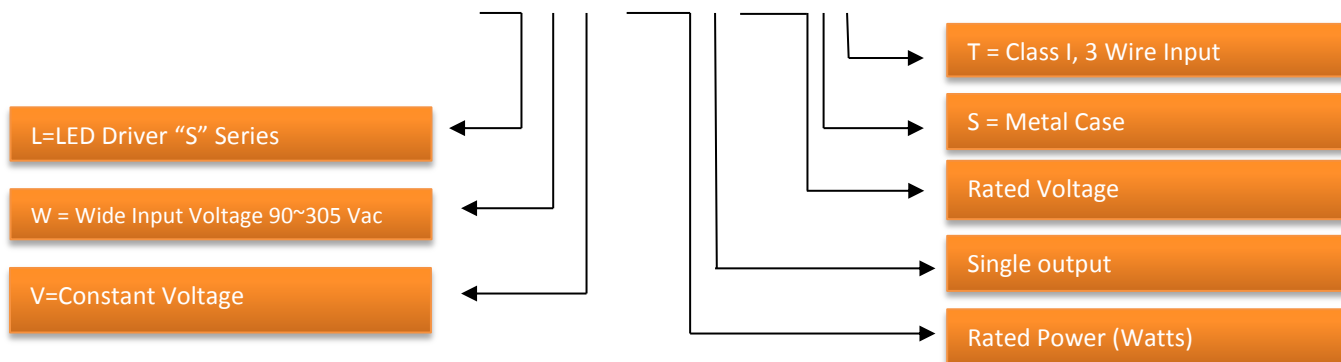


Derating Curves



PART NUMBER SCHEME

LSWV-150S048ST



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