

FEATURES

- Wide AC Input 90~305VAC
- High Efficiency & High Power Factor – Meets DLC & Energy Star
- Option to Specify Any Output Current in the Range
- Operation from -35°C~70°C Full Load
- Certified to UL/cUL 8750, EN61347 & CE
- Short Circuit, Over Temperature & Over Voltage Protection
- IP67, Damp & Hazardous Location (HL) Certified
- RoHS Compliant

150W Constant Current LED Driver

LSWC-150 Series



SPECIFICATIONS

Model #	Output Current Model Range (5)	Output Voltage Max. Range (5)	PF (2)		No Load Output Voltage	Ripple & Noise (3)	Efficiency (6)
			110VAC	277VAC			
LSWC-150S033-056	330-560mA	267-444V	0.99	0.9	107% of Maximum Rated Voltage	3% of Maximum Output Voltage	93%
LSWC-150S056-093	560-930mA	160-267V	0.99	0.9			93%
LSWC-150S093-150	930-1500mA	96-160V	0.99	0.9			92%
LSWC-150S150-260	1500-2600mA	58-96V	0.99	0.9			91%
LSWC-150S260-430	2600-4300mA	34-58V	0.99	0.9			90%
LSWC-150S430-625	4300-6250mA	24-34V	0.99	0.9			89%

Output voltage range is 60-100% of max load, example 1000ma fixed current provides 72-120Vdc. (5)

Example: A **950mA** output would be model number LSWC-150S093-150 and part number for ordering purposes of **LSWC-150S095ST**. Both numbers would be shown on the label.

PART NUMBER BUILDER

LSWC- 150SxxxST-xxx

LS= LED Driver, "S" Series

W=Wide Input Voltage 90~305Vac

C=Constant Current

-xxx = Non-standard indicator or blank

T= Class I, 3 Wire Input

S=Metal Case

XXX=Output Current
Use any current from 033 (3300mA) to 625 (6250mA)

S=Single Output

150=Output Power (Watts)

Output	Line Regulation	1%
	Load Regulation	3%
	Turn-on Delay Time	1.0 -2.0s
Input	Voltage Range	100-277 Vac
	Frequency Range	47Hz ~63Hz
	Inrush Current	65A cold start, Vin=230V
	AC Current (Typ.)	1.6 A @ 110 VAC 0.75 A @ 220 VAC
	Leakage	0.75 m A Vin=277V, 50Hz
	THD	< 20% @ 70% load, 277Vac
Protections	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed with no damage to power supply
	Over Temperature	110 °C internal temperature. Auto recovers after power supply cools.
	Over Voltage	130% of max. output voltage (±5%) Latch mode. The power supply shall return to normal operation only after recycling AC

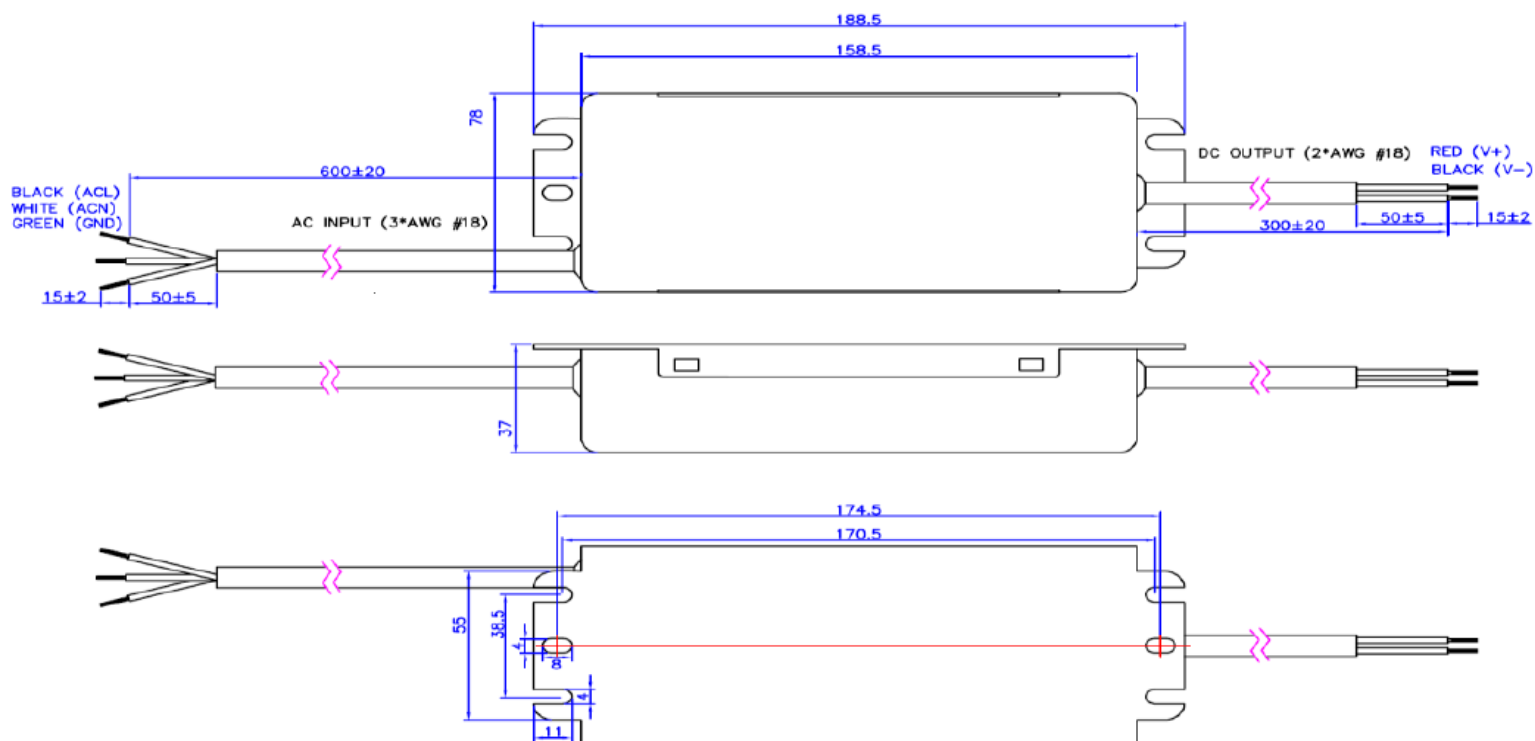
Environment	Temperature Range	Operational	- 35°C ~ 70°C Max. case temperature 85°C
		Storage	- 40 ~ +85°C
	Humidity	Operational	10% ~ 100% RH
		Storage	5% ~100% R.H
Safety & EMC	Safety Standards	UL8750, UL935, UL1012, CSA-C22.2 No.107.1 EN61347-1, EN61347-2-13	
	EMI Conduction & Radiation	EN55015	
	EMS 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	
	Lifetime	75,000 hours	
	Dimension	(L*W*H) 7.40*3.07*1.46 inches / 188.5*78*37mm	
	Weight	900G	

NOTES:

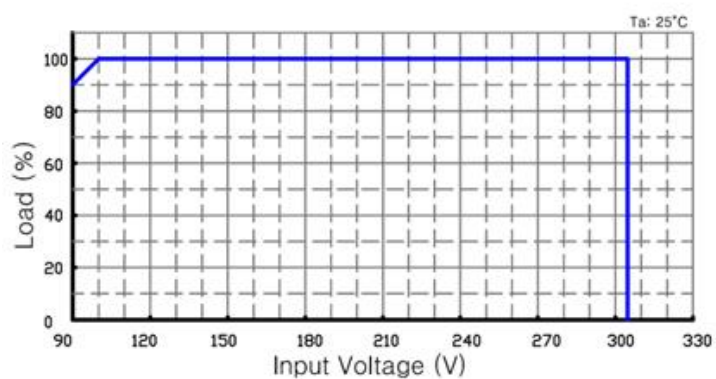
1. All specifications are typical at 25°C unless otherwise stated.
2. Values are measured at 70% load, after the unit is thermally stabilized.
3. The "Ripple & Noise" values are measured by 20MHz bandwidth oscilloscope and the output paralleled a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor.
5. ±5%
6. Typical measured at 220VAC



Mechanical Specifications



Derating Curves



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