

FEATURES

- High Efficiency (up to 91%)
- Active PFC (Typical 0.99)
- Wide Range Input 90–305Vac
- UL/cUL 8750, EN61347, CE & RoHS Compliant
- Class 2 Output (Some Models)
- Waterproof (IP66)
- Over Voltage, Short Circuit & Over Temperature Protection

40W Constant Current LED Driver LSWC-040 SERIES



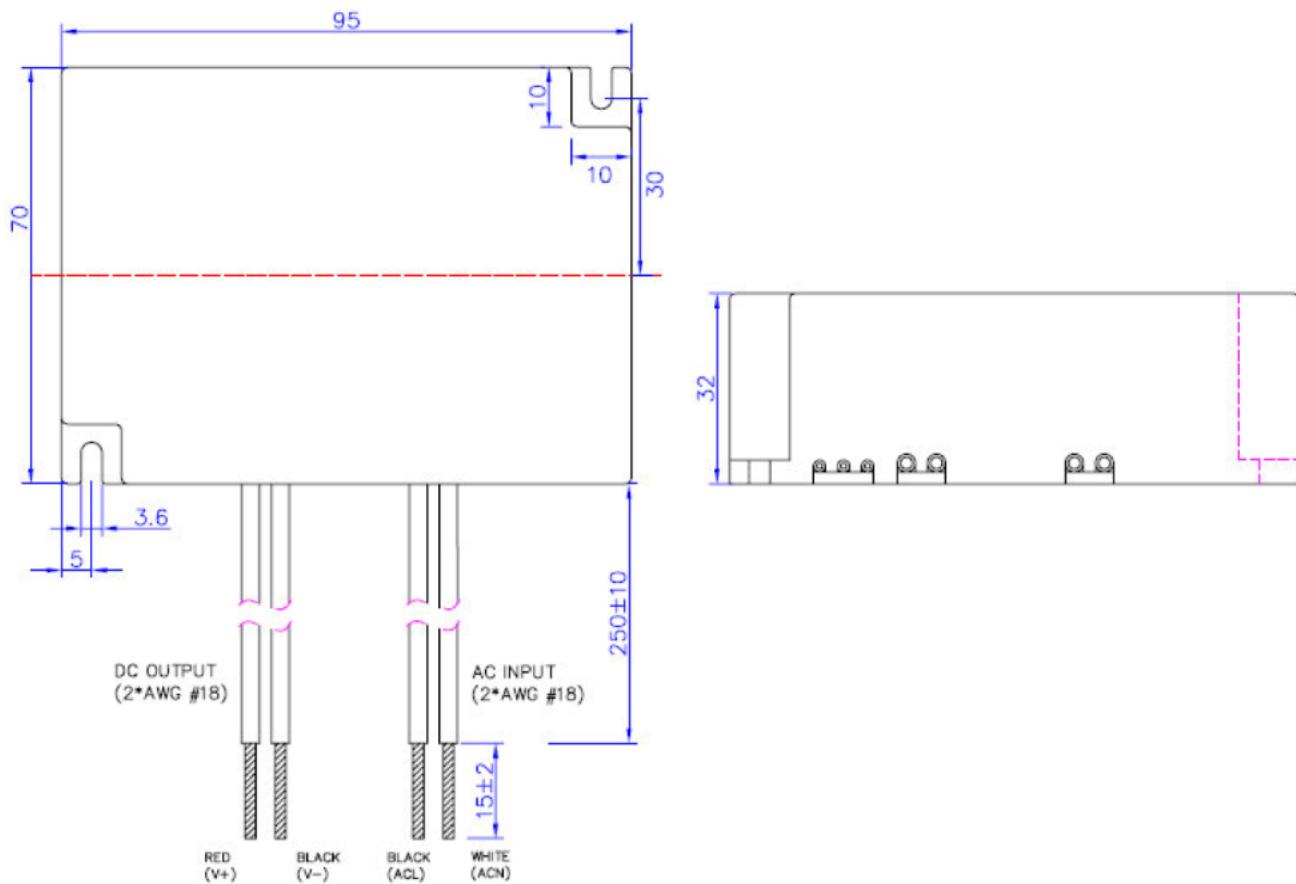
SPECIFICATION

Model		Output Current (mA)	Output Voltage	No Load Output Voltage (+/-5%)	Efficiency (2)		Power Factor (2)		Ripple & Noise (3)
					110Vac	220vAC	110Vac	220Vac	
LSWC-040S035PS		350	69-114	123	89%	91%	0.99	0.96	4.6
LSWC-040S045PS		450	53-89	98	89%	91%	0.99	0.96	3.6
LSWC-040S070PS		700	34-57	63	88%	90%	0.99	0.96	2.3
LSWC-040S105PS		1050	23-38	42	87%	89%	0.99	0.96	1.5
LSWC-040S128PS		1280	19-31	34	86%	88%	0.99	0.96	1.3
LSWC-040S140PS		1400	17-29	32	86%	88%	0.99	0.96	1.2
LSWC-040S166PS		1660	14-24	27	85%	87%	0.99	0.96	1.0
Output	Line Regulation	1%							
	Load Regulation	3%							
	Turn-on Delay Time	1.0~2.0 s (Typ)							
	Leakage	0.5 mA @277V, 50Hz							
Input	Rated Voltage	100~277 Vac							
	Frequency Range	47Hz ~63Hz							
	Inrush Current	35A cold start @230Vac							
	Current	0.43 A @ 110 VAC				0.21 A @ 220 VAC (Max.)			
	THD	15% Max. @277 Vac							
Protection	Short Circuit	The power supply shall recover automatically when the fault condition is removed. No damage shall occur to the power supply.							
	Over Temperature	110 °C Internal Temperature							
	Over Voltage	1.4 Vo ±5% The power supply shall recover automatically when the fault condition is removed.							
Environmental	Temperature Range	Operational			- 35°C ~ 60°C				
		Storage			- 40 ~ +85°C				
	Humidity	Operational			10% ~ 100% RH				
		Storage			5% ~100% R.H				
Safety & EMC	Safety Standards	UL8750 Compliance to UL1310 Class2, UL1012 UL935 CAN/CSA-22.2 No.0, CSA-C22.2 No.107.1, CSA-C22.2 No.250.0EN61347-1, EN61347-2-13							
	EMI Radiated & Conducted	EN55015, FCC PART 15 CLASS B ANSI C63.4: 2009							
	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	450,000 Hours							
	Lifetime	80,000 Hours (See curve for detail)							
	Dimensions	(L*W*H)		3.74*2.76*1.26 Inch.		95.0*70.0*32.0 mm			
	Weight	330g							

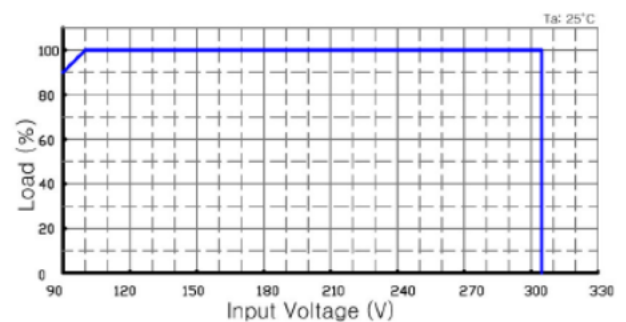
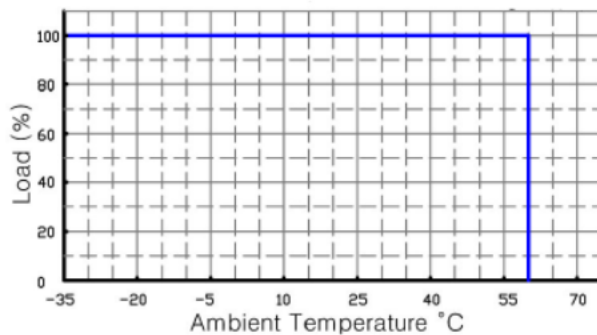


- NOTE:**
1. All specifications are typical at 25°C unless otherwise stated.
 2. The "Efficiency" & "PF" values are measured at full load, after the unit is thermally stabilized, otherwise they will vary about 1%.
 3. The "Ripple & Noise" values are measured by 20MHz bandwidth oscilloscope and the output paralleled a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor.

Mechanical Specifications

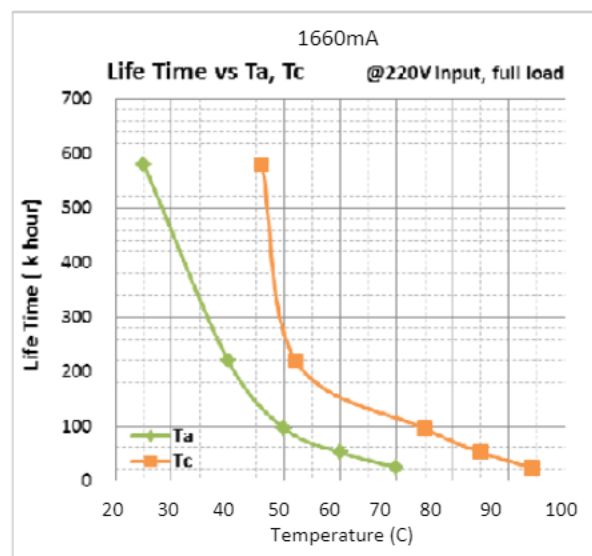
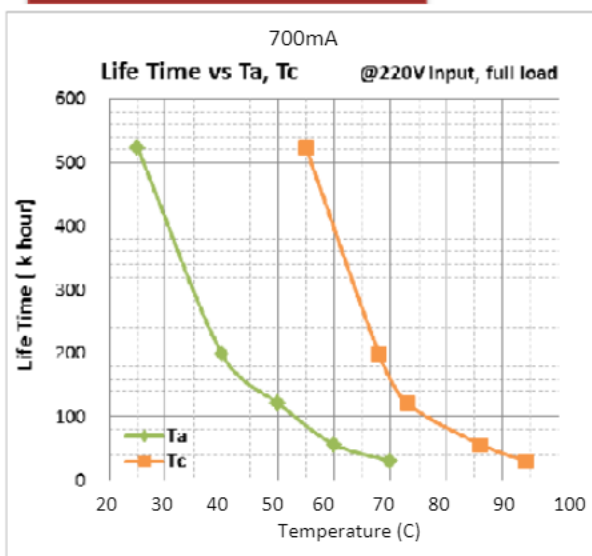


Derating Curves

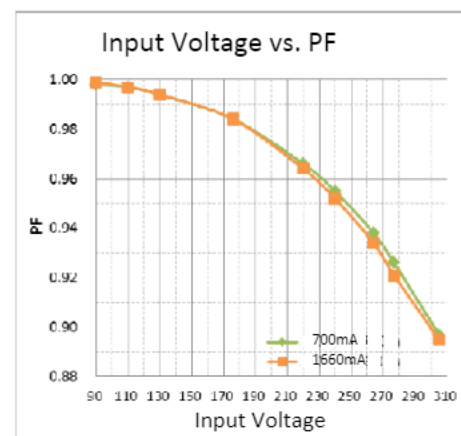
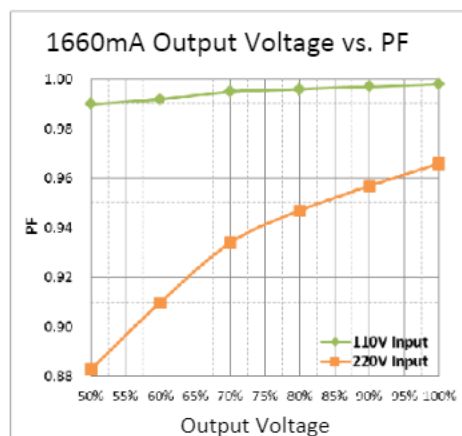
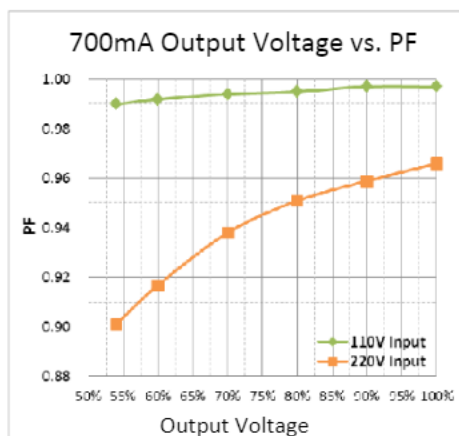




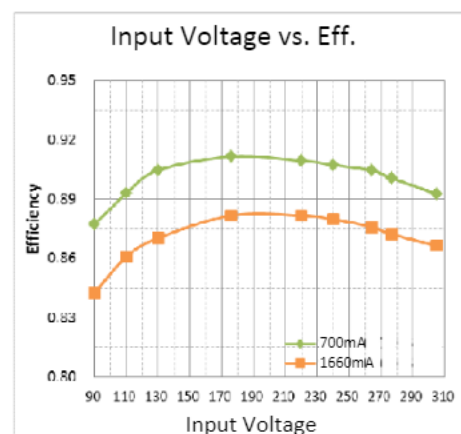
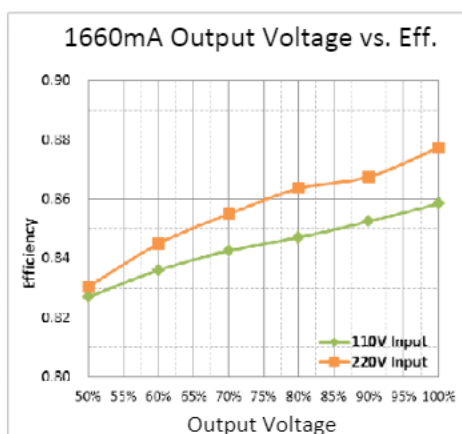
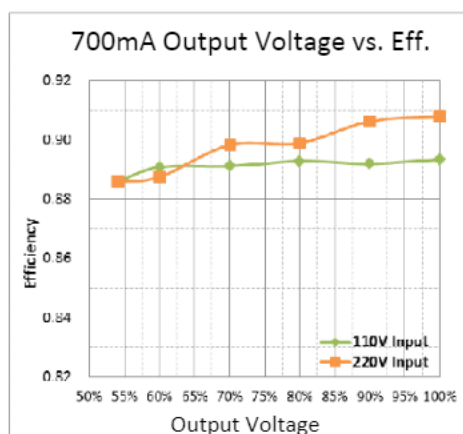
Lifetime Curves



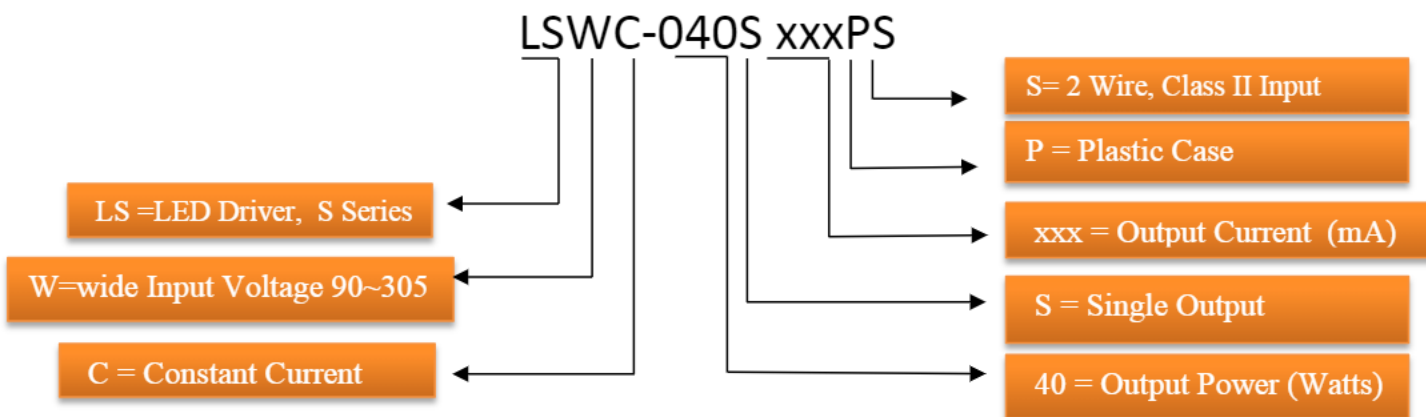
Power Factor Curves



Efficiency Curves



PART NUMBER SCHEME



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