

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

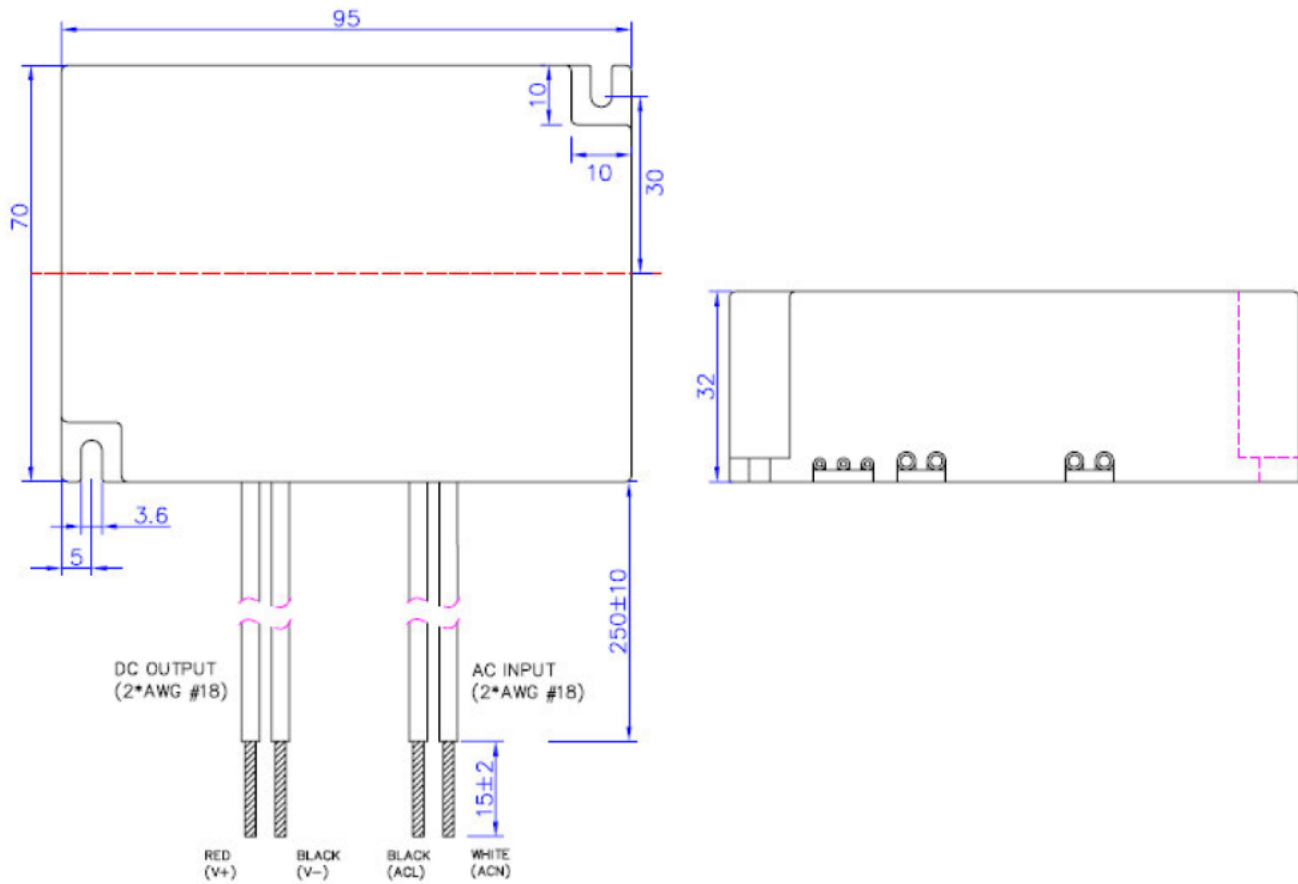
SPECIFICATION

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						

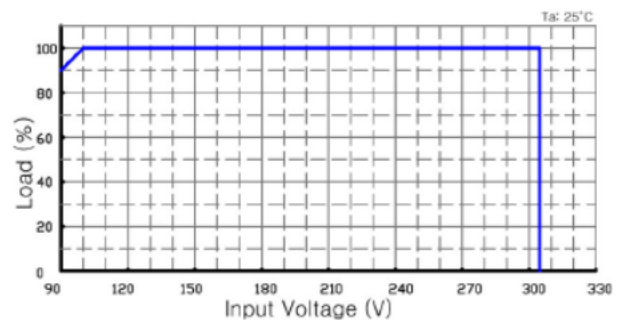
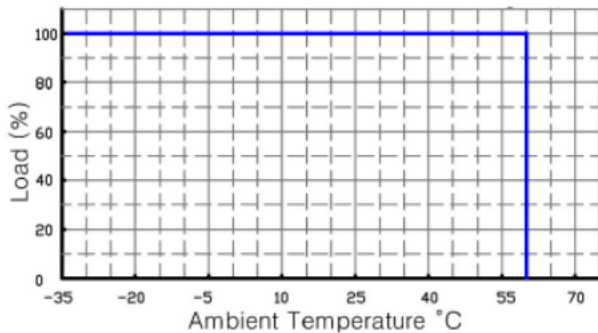


- NOTE:**
1. All specifications are typical at 25°C unless otherwise stated.
 2. The “Efficiency” & “PF” values are measured at full load, after the unit is thermally stabilized, otherwise they will vary about 1%.
 3. The “Ripple & Noise” values are measured by 20MHz bandwidth oscilloscope and the output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

Mechanical Specifications

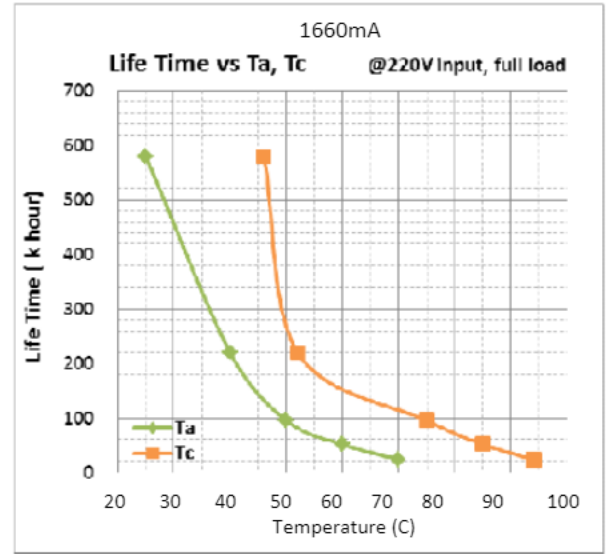
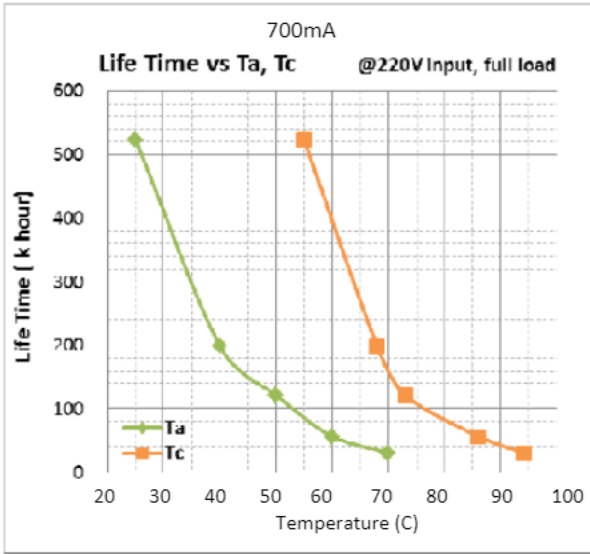


Derating Curves

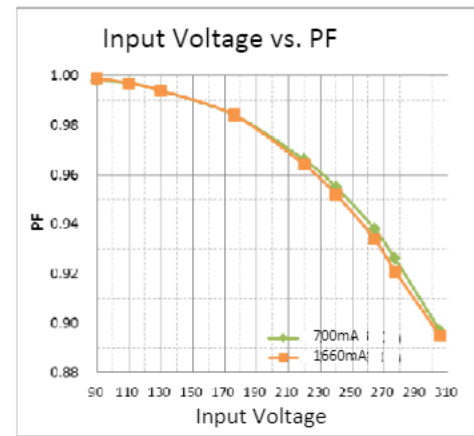
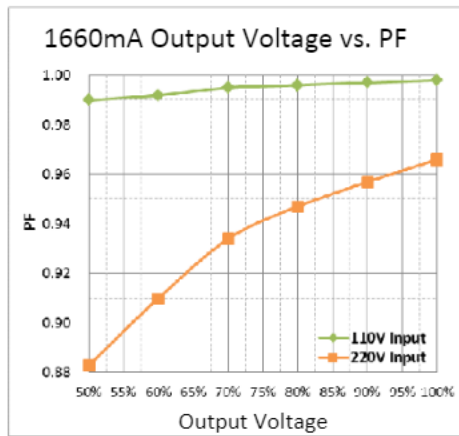
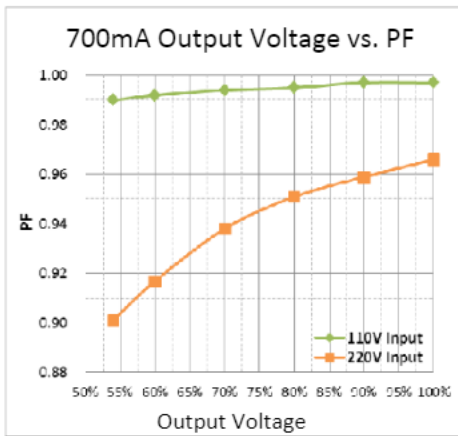




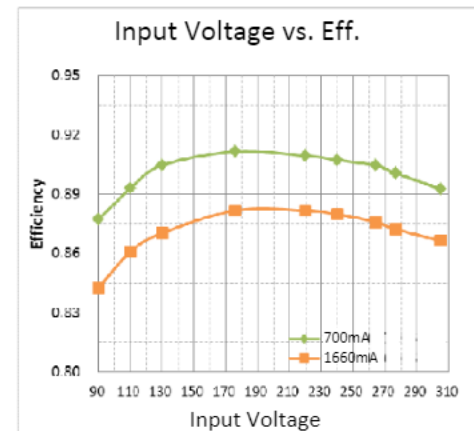
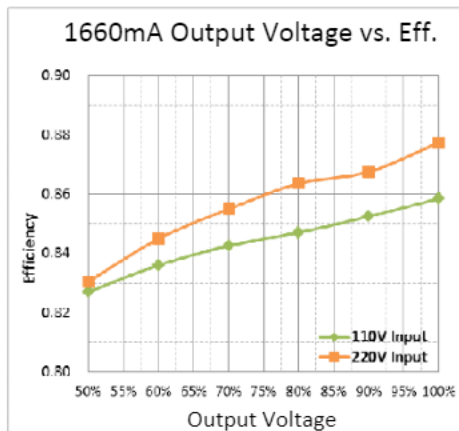
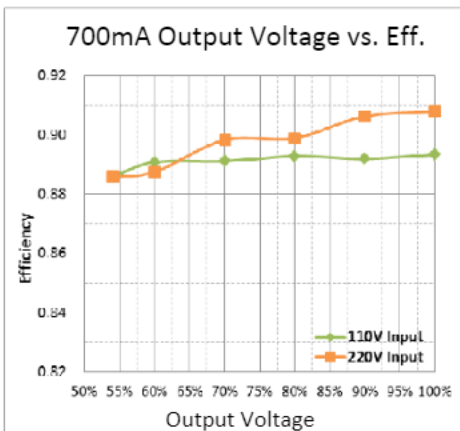
Lifetime Curves



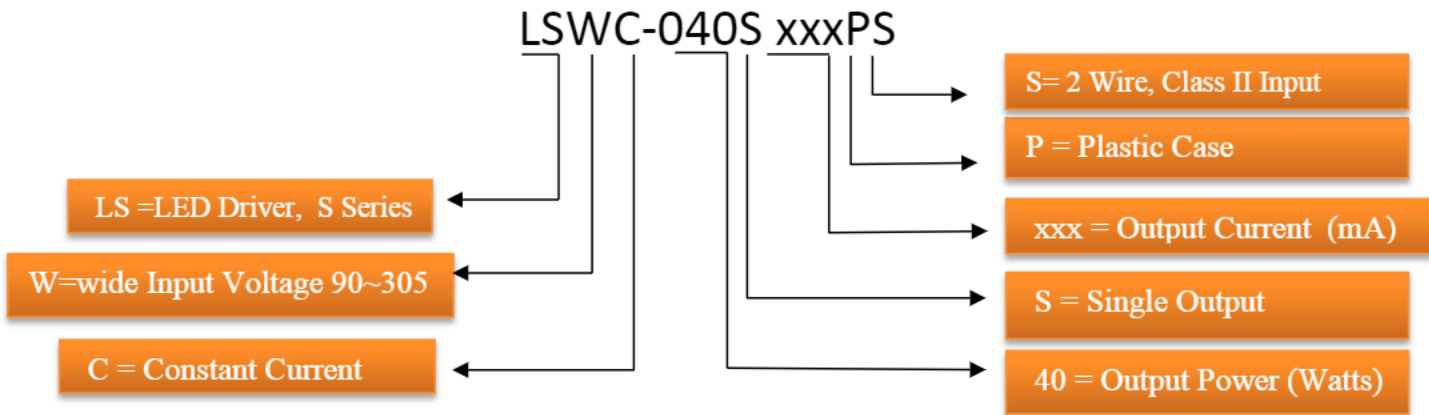
Power Factor Curves



Efficiency Curves



PART NUMBER SCHEME



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