

FEATURES

- High Efficiency & High Power Factor
- 5 Years Warranty
- Over Voltage, Short Circuit, Optional Over Temperature Protection
- Waterproof (IP67)
- Complies with UL8750 & EN61347
- Wide Range Input 90-305 VAC
- RoHS Compliant

75W Constant Current LED Driver

LWC075 Series



SPECIFICATION

See Part Number Builder to create your customized part	Model # (2)	Output Current (mA)	Voltage Range	Max. Output Power	Efficiency (Typ.)		
					At 110V	At 220V	At 277V
	LWC075-035S1	350	139V~214V	75 W	89%	90.5%	91%
	LWC075-045S1	450	109V~167V	75 W	89%	90.5%	91%
	LWC075-054S1	540	90V~139V	75 W	89%	90.5%	91%
	LWC075-070S1	700	70V~107V	75 W	89%	90.5%	91%
	LWC075-105S1	1050	46V~71V	75 W	89%	90.5%	91%
	LWC075-140S3 (4)	1400	35V~54V	75 W	89%	90.5%	91%
	LWC075-210S2 (3)	2100	23V~36V	75 W	88.5%	90%	90.5%
	LWC075-240S2 (3)	2400	20V~31V	75 W	88.5%	90%	90.5%
	LWC075-280S2 (3)	2800	18V~27V	75 W	88.5%	90%	90.5%
	LWC075-375S2(3)	3750	13V~20V	75 W	88.5%	90%	90.5%
	LWC075-500S2 (3)	5000	10V~15V	75 W	88.5%	90%	90.5%

Output	Load Regulation		±5%
	Line Regulation		±2%
	Current Range		±5%
	Turn-on Delay Time		2 sec. (Typ.) Measured at 110Vac input. / 1 sec. (Typ.) Measured at 220Vac input.
	Ripple & Noise (pk-pk)		3% Vo Measured by 20 MHz bandwidth oscilloscope and the output paralleled a 0.1 uF ceramic capacitor and a 10 uF electrolytic capacitor
Input	Input voltage		100~277 Vac
	Frequency Range		50Hz ~60Hz
	PFC (Typ.)(5)	110Vac	0.99
		220Vac	0.98
		270Vac	0.95
	Inrush Current		75A at 230Vac input, 25°C Cold Start
	AC Current (Typ.)		1.0 A measured at full load and 100 Vac input / 0.5 measured at full load and 220 Vac input
	THD		< 20% measured at 100-277 Vac, from 75% to 100% Load
Protections	Leakage Current		0.25 mA Measured at 277Vac 60Hz Input
	Short Circuit		Protection type : Hiccup mode, recovers automatically after fault condition is removed
	Over Temperature		110°C Maximum temperature of components inside the case (Typ). (Optional)

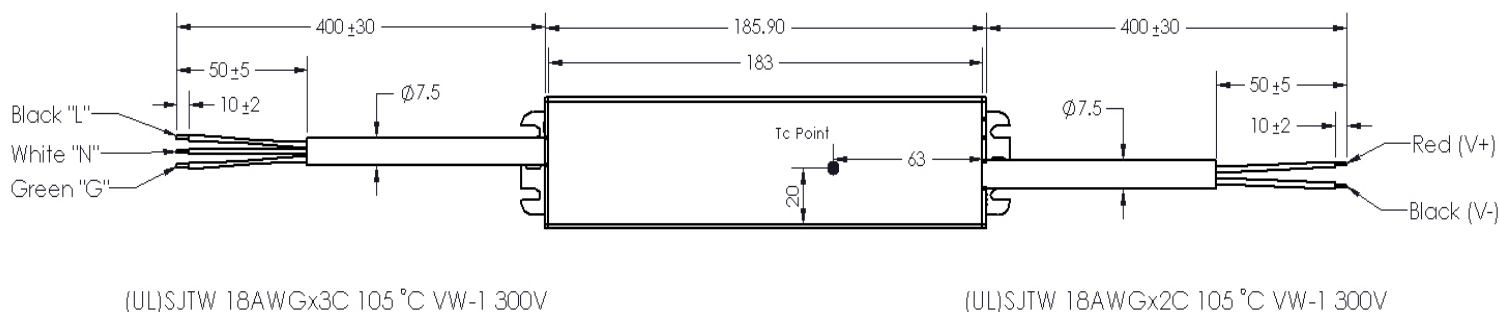


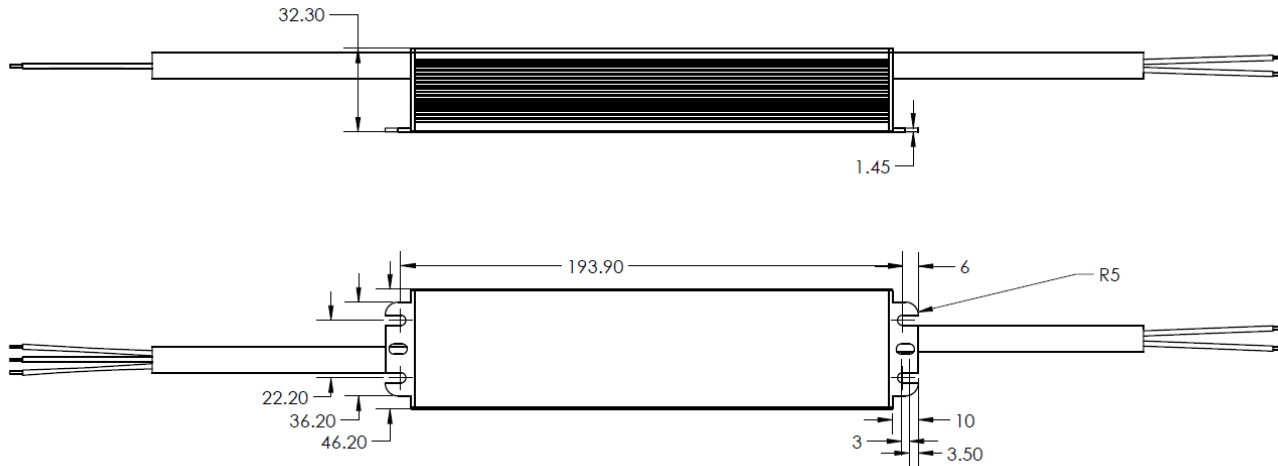
Environmental	Temperature Range	Operational	- 40℃ ~+ 70℃ (See Derating Curve)
		Storage	- 40 ~ +85℃
	Case Temperature	Max. +90 °C (See Mechanical Drawing for exact location)	
	Humidity	Operational	10% ~ 100% RH
		Storage	5% ~100% R.H
Safety & EMC	Safety Standards	UL8750, Compliance to UL1012 UL1310. CAN/CSA-C22.2 No. 223, CSA-C22.2 No. 107.1, CSA-C22.2 No. 250.0-13-12 EN61347.1, EN61347-2-13 and EN60529	
	EMI Conduction & Radiation	Meet EN55015 FCC Part 15 Class B	
	EMS Immunity	EN 61000-3-2, EN 61000-3-3, EN 61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11, EN 61547	
	Surge	EN61000-4-2 4kV contact discharge (6kV optional available)	
Others	MTBF	252,000 hours For 1400 mA output model, measured at 110V input, 80%Load and 25℃ ambient temperature (MIL-HDBK-217F)	
	Life time	87,000 hours For 1400 mA output model, measured at 220V input, 80%Load and 45℃ ambient temperature	
	Dimension	Millimeters (L*W*H) 185.9*46.2*32.3	
	Weight	625g	

Notes:

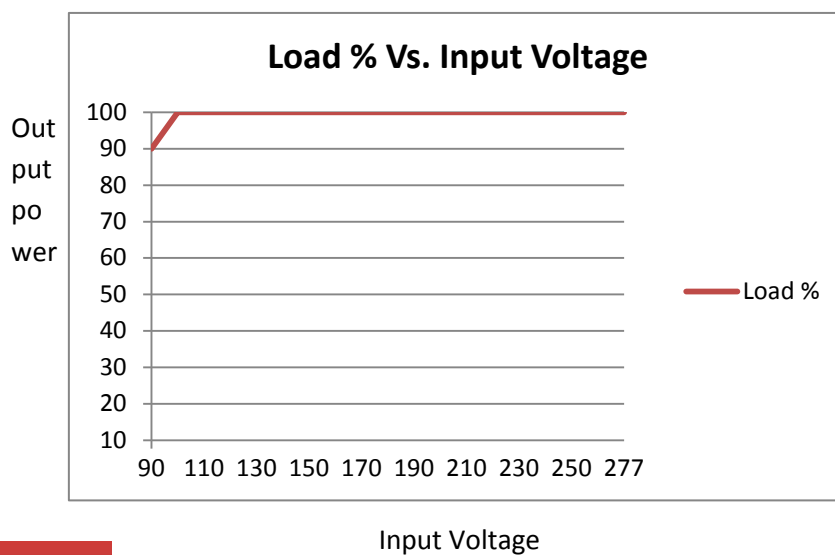
1. If not specified all measurement done at full load and 230 Vac input.
2. A suffix-xxx may be added to denote variations or modifications to the base product, where x can be any alphanumeric character or blank.
3. Class 2 Output (US & Canada)
4. Class 2 output (US), non-class 2 output (Canada)
5. Power Factor Correction measured at full load

Mechanical Specification

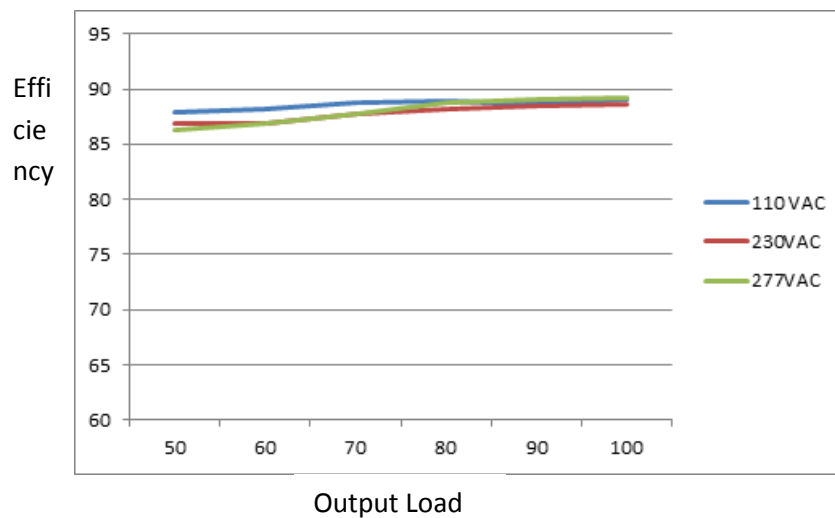




Derating Curve



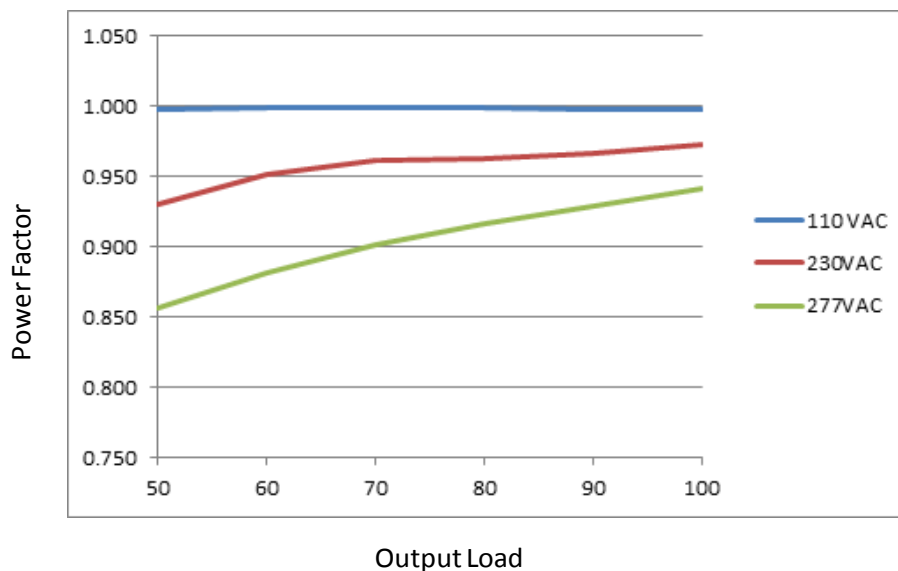
Efficiency vs. Load



1400mA model

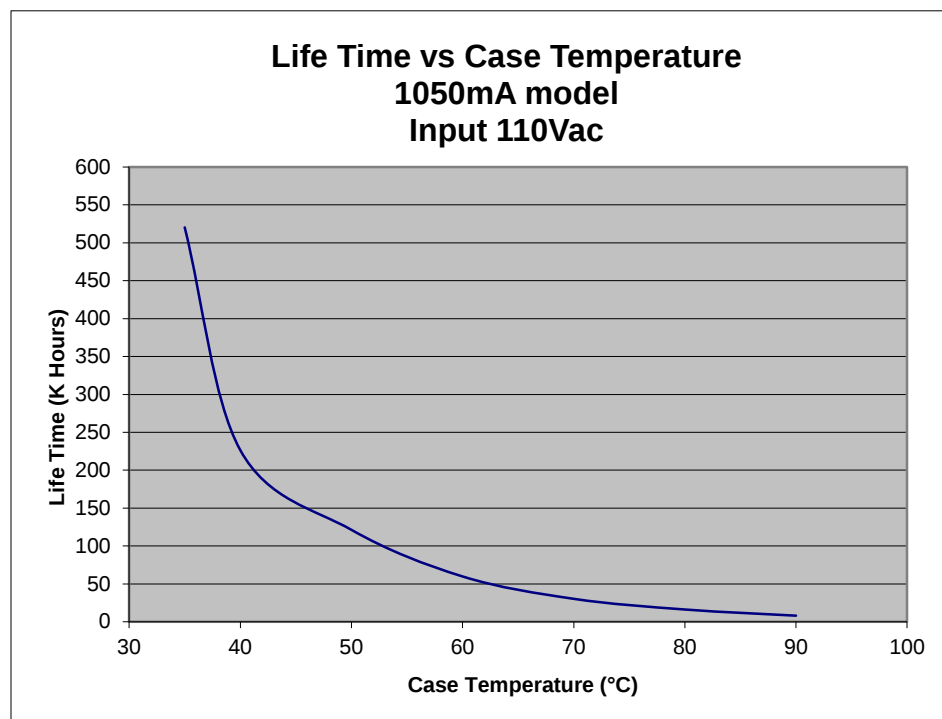


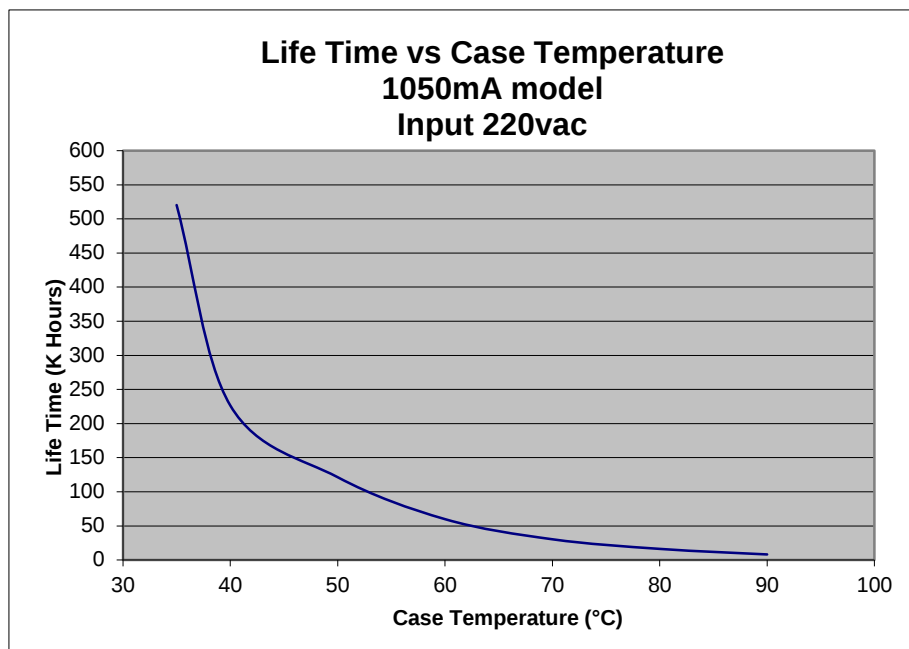
Power Factor Vs. Load



1400mA model

Life Time Vs. Case Temperature





PART NUMBER SCHEME

LWC075-045SX4XT-XXX

L=AC/DC LED Driver

W=Wide Input Voltage 90-305V

C=Constant Current

075=Output Power (Watts)

045mA=Output Current

Non-Standard Part Indicator

T= Thermal Switch , blank for no thermal protection

Dimming Options:
0= Non dimming
2=2 wire Dimming 0-10V
3=3 wire Dimming 0-10V

Surge Protection:
4=4kv (standard)
6=6kv (optional)

Output class:
1=Non Class 2
2=Class 2 US & Canada
3=Class 2 US Only

S=Single output

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AUTEC IS NOT RESPONSIBLE FOR ISSUES ARISING FROM ERRORS OR OMMISIONS

