

■ Features

- Power Rating: 80W
- Input Voltage: 90-305Vac
- Constant current and constant voltage design
- Output current (700mA-3330mA)
- Fixed Current
- Efficiency up to 90%
- UL Class 2 Output
- Lightning, OVP, SCP, OTP & Open Circuit Protection
- IP54
- 5-year warranty
- Surge Protection: L-N 4kV, L/N-Earth 4V



\*Product images are for illustrative purposes only and may vary from actual design.

■ Application

- Indoor LED lights
- High bay and low bay lights, LED panels

■ Model List\*(See part number scheme for model number details)

Model Number	Input Voltage Range	Output Power	Output Voltage	Output Current Min.	Output Current Max.	Efficiency	Certification
L4WV-080S024ST	90-305Vac	80W	24V	0mA	3330mA	90%	UL/cUL
L4WV-080S040ST	90-305Vac	80W	40V	0mA	2000mA	90%	UL/cUL
L4WV-080S057ST	90-305Vac	80W	57V	0mA	1400mA	90%	UL/cUL
L4WV-080S076ST	90-305Vac	80W	76V	0mA	1050mA	90%	UL/cUL
L4WV-080S114ST	90-305Vac	80W	114V	0mA	700mA	90%	UL/cUL

■ Technical Data

Input voltage range	90-305Vac
Frequency	47-63Hz
Power factor	> 0.95 @115Vac & 80~100% Full load, > 0.90 @277Vac & 80~100% Full load
Output voltage	12-24V, 20-40V, 28-57V, 38-76V, 57-114V
Output power	80W
Max. Current ripple	350mA, 200mA, 150mA, 120mA, 100mA
Max. Voltage ripple	±0.5%

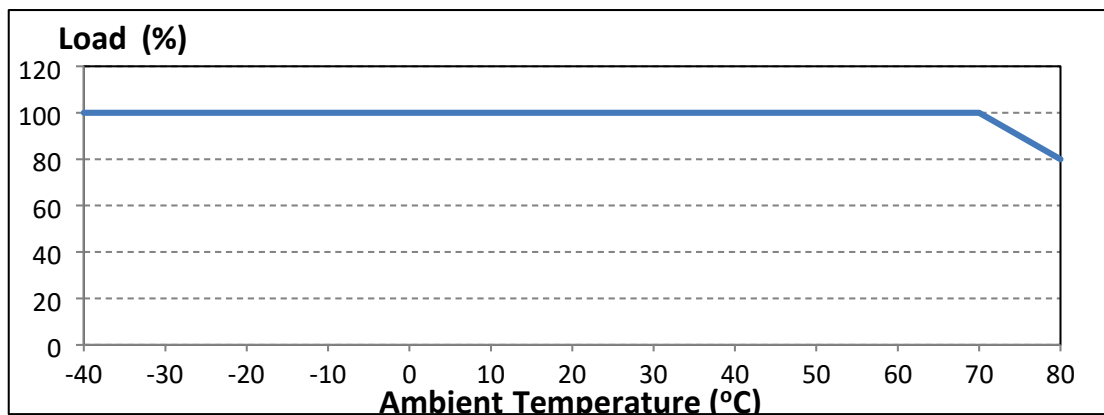
■ **Technical Data(cont.)**

Max input current	1.1A
Max input Power	95W
Efficiency	90%
Max. open circuit voltage	35V, 50V, 65V, 85V, 125V
Dimming	D Version: 0-10V Dimming
THD	<20% @ 120Vac & 80~100% full load, <20% @ 277Vac & 80~100% full load
Output Current	1800mA
Protection	OVP, SCP, OTP, and open circuit protection
Environmental Protection	UL Dry and Damp, and Type TL
Working Temperature	-20~+60°C
Max Case Temperature	90°C
Surge Protection	Line to line 4kV, Line to Earth 4kV
ANSI Surge Type	1.2/50µs Combination Wave (w/t 2Ω)
Isolation (Primary to Secondary)	3750Vac/10maMax/60 seconds
Dimension	215x42x30 mm (8.46x1.65x1.18 inch)
Mounting length	228 mm (8.98 inch)
Overall length	242 mm (9.53 inch)
Weight	0.5 kg (1.1 lb)
Lifetime	>50,00 hours @full load, 75°C Tcase
Packing	0.5 kg; 25 units/carton; 36 cartons/pallet

■ **Safety Compliance**

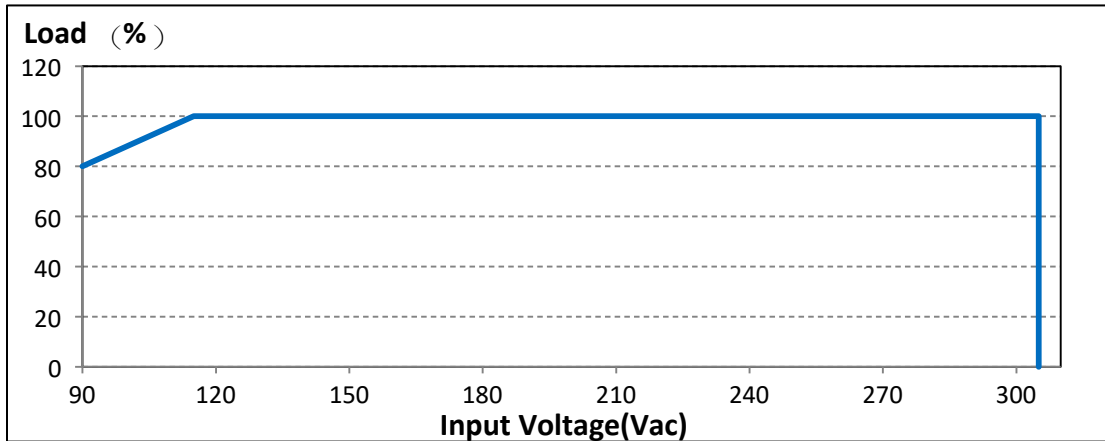
Safeties	UL1310 Class 2, UL8750
Electromagnetic Compliance	Per Title 47 CFR Part 15 Class B

■ **Derating Curve**



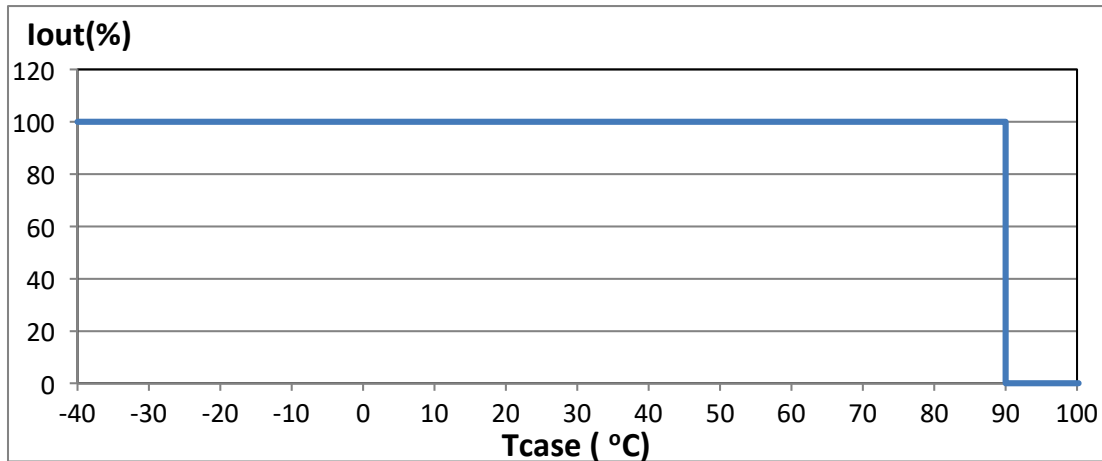
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■ **Static Characteristics**

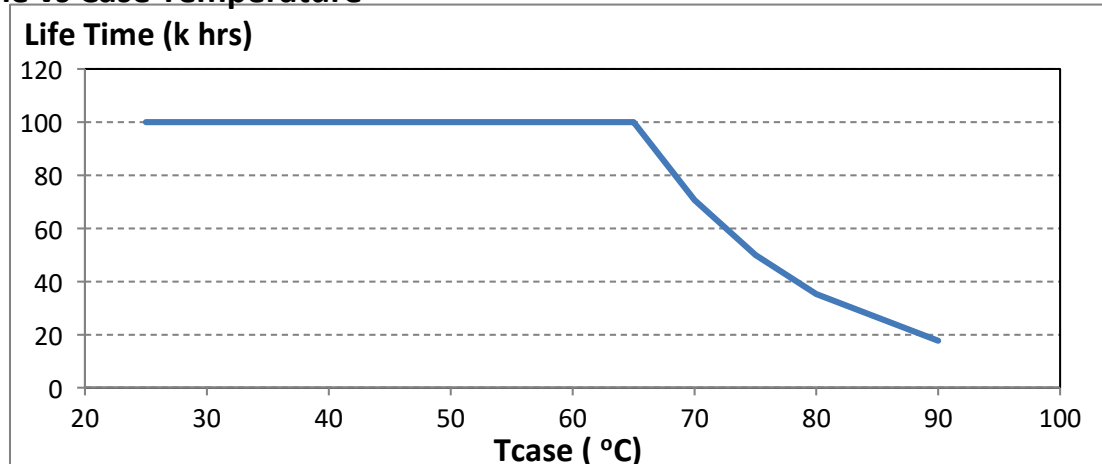


■ **Electrical Specifications**

Output Current vs. Case Temperature (with  $\pm 5^\circ\text{C}$  Tolerance)

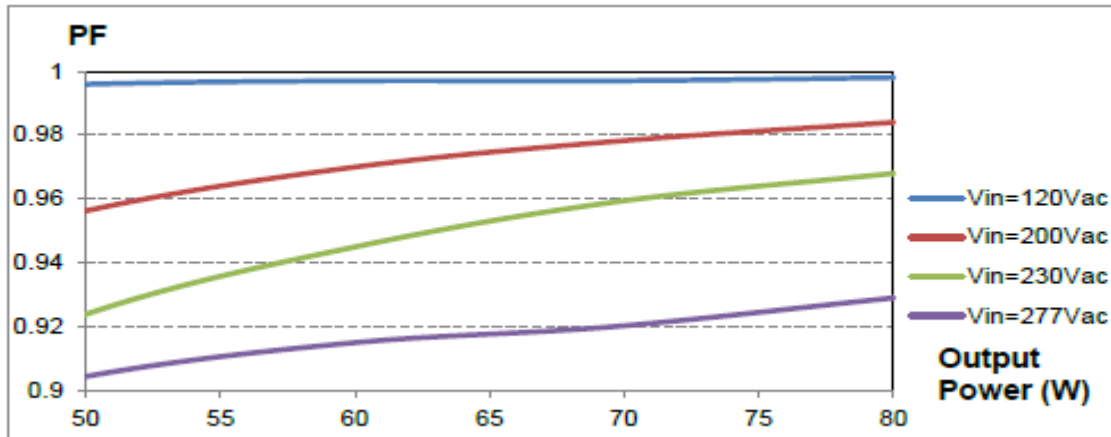


■ **Lifetime vs Case Temperature**



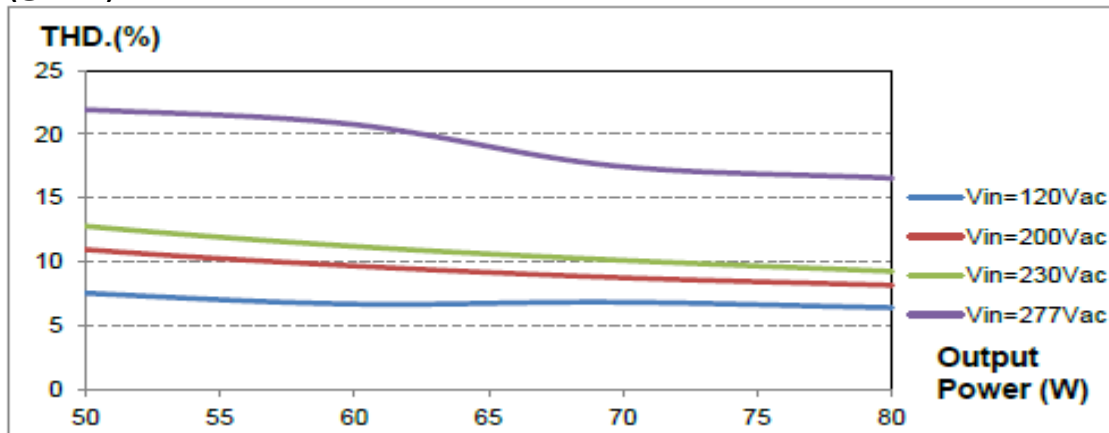
■ **Power Factor vs. Output Power**

(@ 25°C)

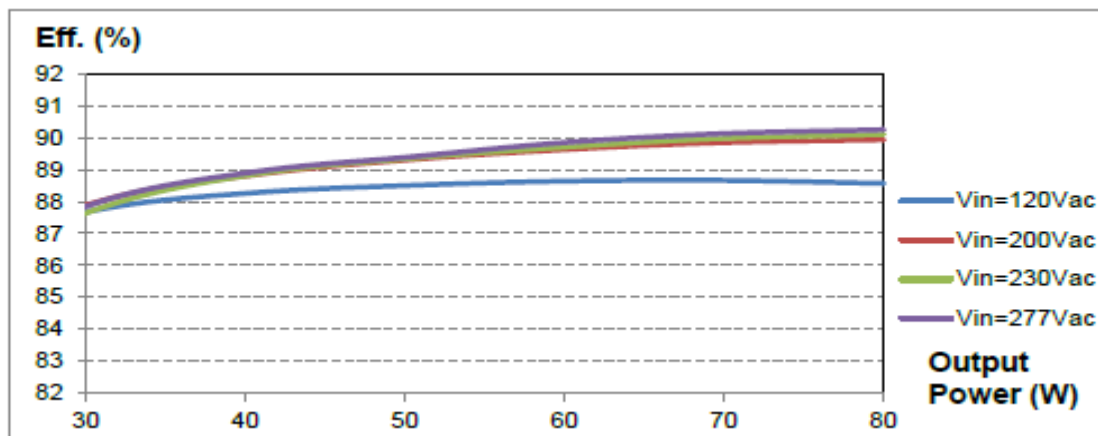


■ **THD vs. Output Power**

(@ 25°C)

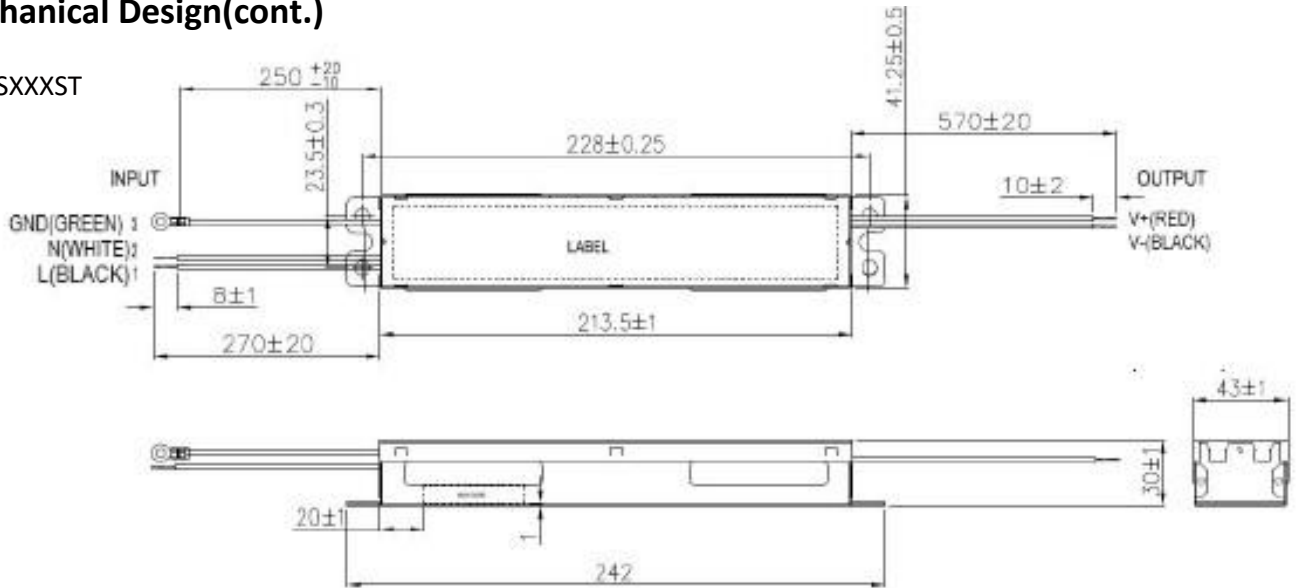


■ **Efficiency vs. Output power**



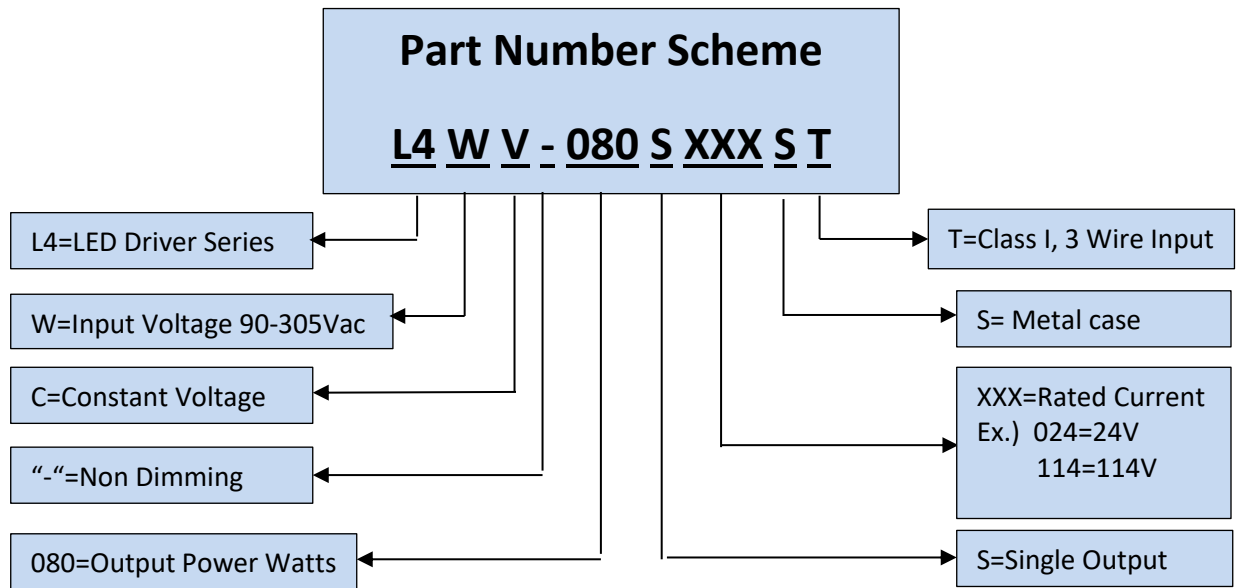
■ **Mechanical Design(cont.)**

L4WV-080SXXXST



- Notes: 1. Outline Dimension: 242\*43\*30  
 2. Input and Output Connector and Pin Assignment

Input Wire	3/#18AWG	L= Black, N=White, GND=Green
Output	2/#18AWG	V+ is Red, V- is Black



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**\*Specifications are subject to change without notice. Autec is not responsible for issues arising from errors or omissions.**

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