

■ **Features**

- Power Rating: 75W
- Input Voltage: 90-305Vac
- Constant voltage design
- Output current (0mA-1800mA)
- Efficiency up to 90%
- UL Class 2 Output
- Lightning, OVP, SCP, OTP & Open Circuit Protection
- IP54
- 5-year warranty
- Surge Protection: Line to line 4kV, Line to Earth 4kV

RoHS 
Compliant



*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-075S054ST | 90-305Vac | 75W | 27-54V | 0mA | 1800mA | 90% | UL/cUL |

(*output settable at factory)

■ **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 | 40V |
| Output power | 75W |
| Max. Current ripple | N/A |
| Max. Voltage ripple | ±0.5% |
| Max input current | 1.0A |
| Max input Power | 85.5W |
| Efficiency | 90% |
| Max. open circuit voltage | 43V |
| Dimming | N/A |

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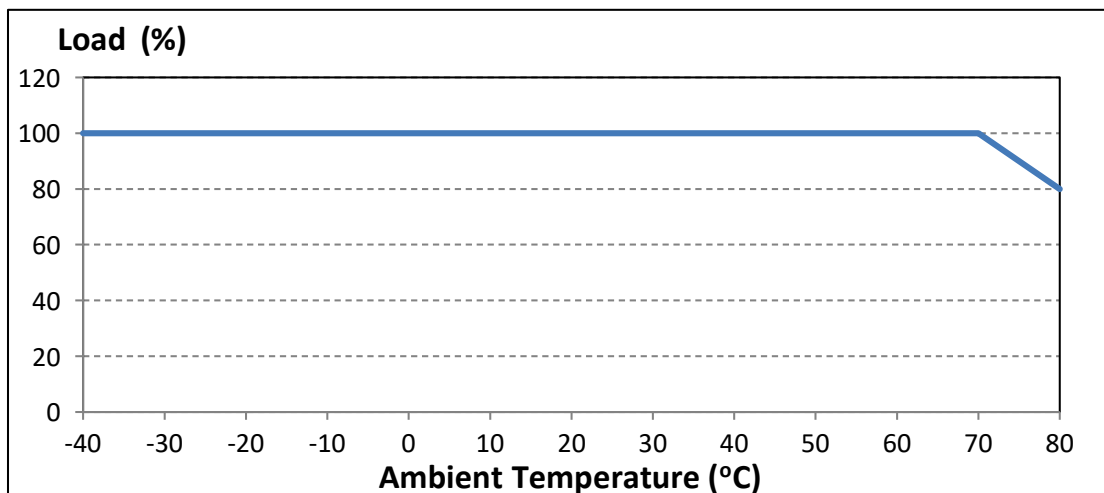
■ Technical Data(cont.)

| | |
|----------------------------------|--|
| THD | <20% @ 120Vac & 80~100% full load, <20% @ 277Vac & 80~100% full load |
| Output Current | 0-1800mA |
| Protection | OVP, SCP, OTP, and open circuit protection |
| Environmental Protection | UL Dry and Damp and Wet, 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

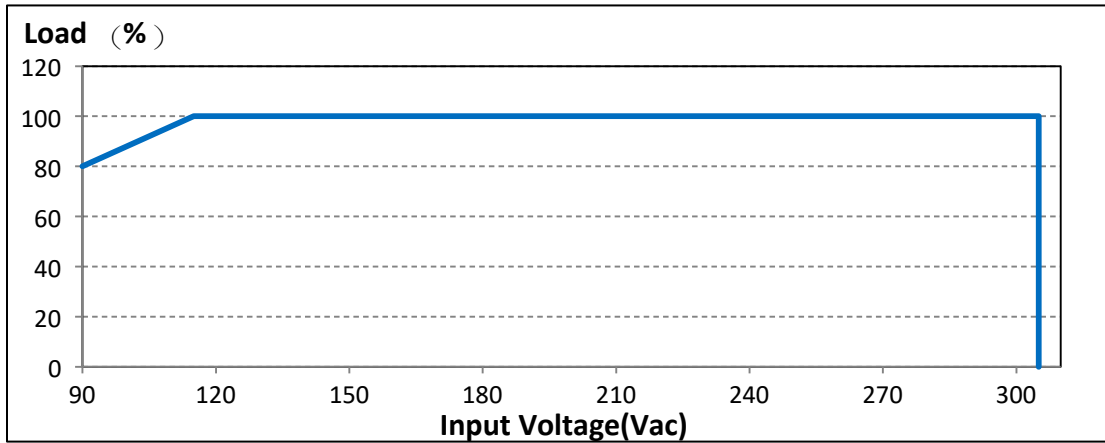
| | |
|----------------------------|----------------------------------|
| Safeties | UL1310 Class 2 |
| Electromagnetic Compliance | Per Title 47 CFR Part 15 Class B |

■ Derating Curve



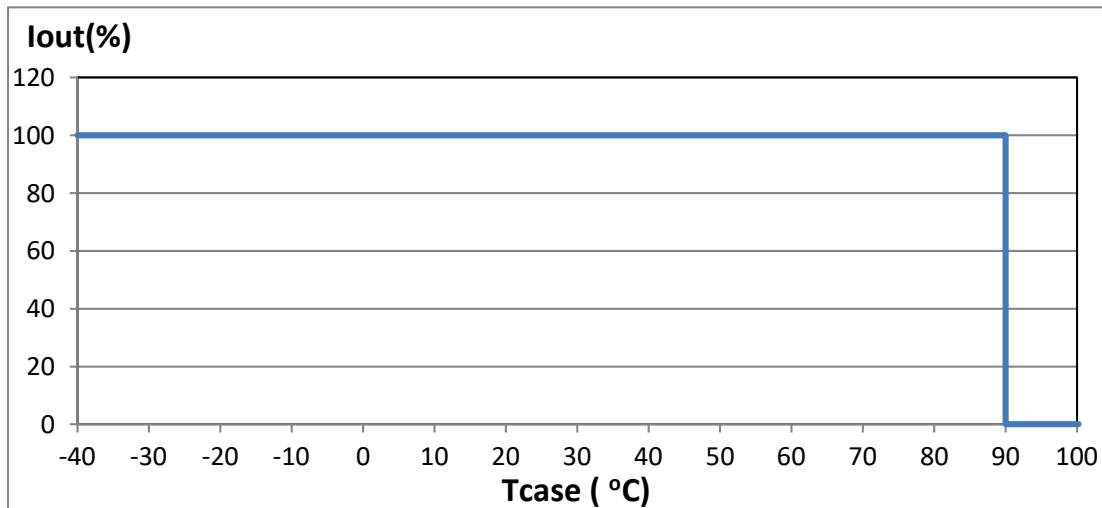
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■ **Static Characteristics**

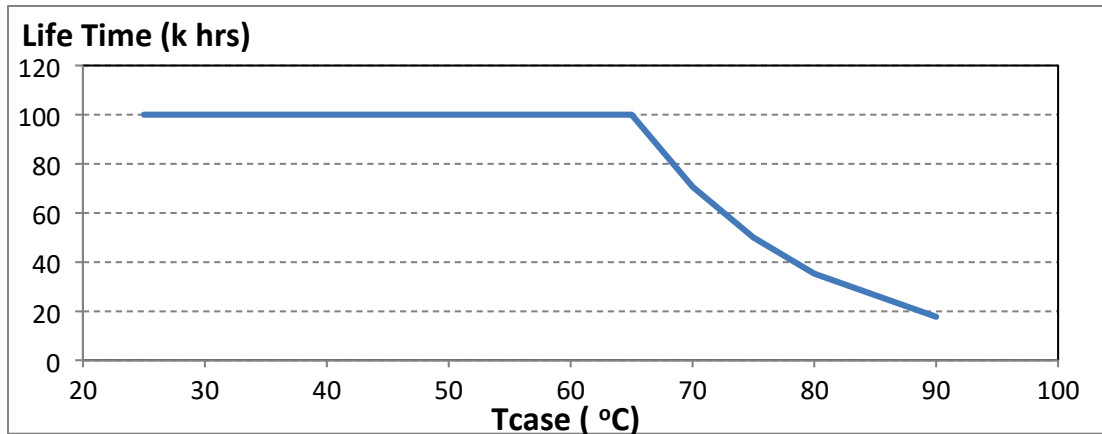


■ **Electrical Specifications**

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



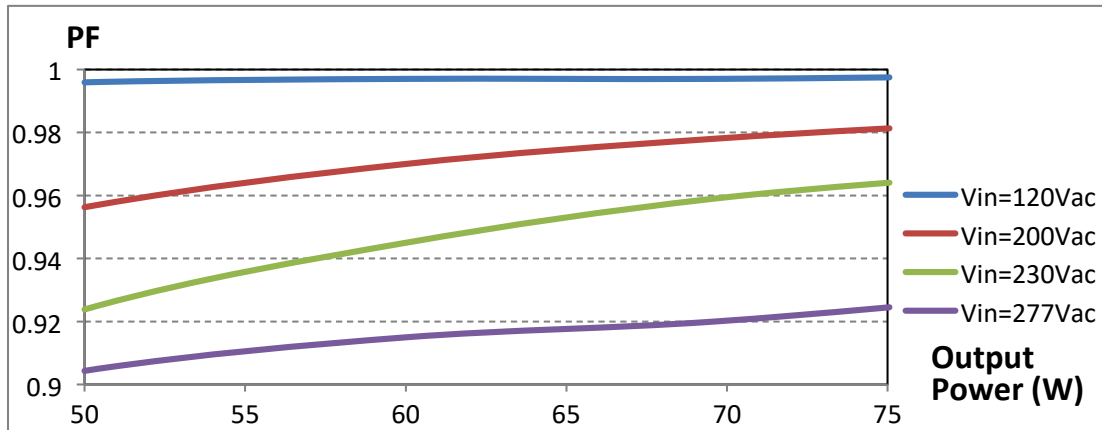
■ **Lifetime vs Case Temperature**



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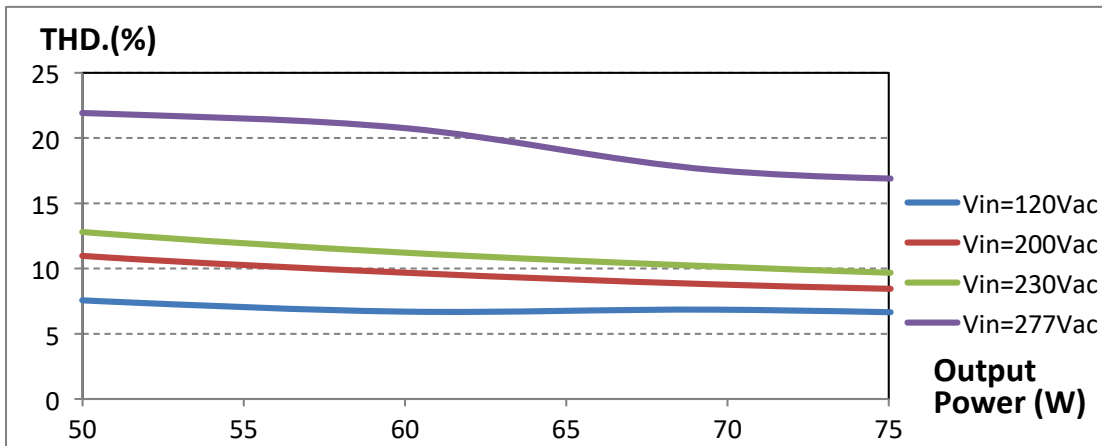
■ Power Factor vs. Output Power

(@ 25°C)

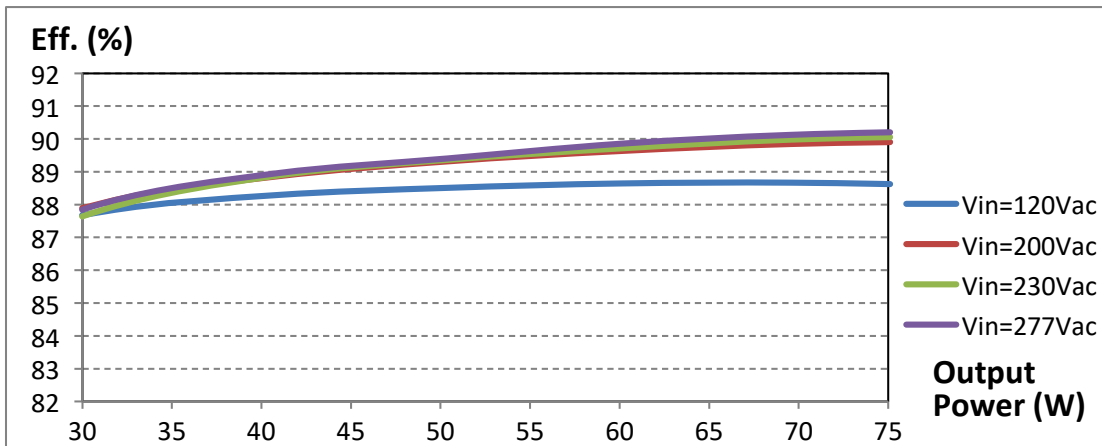


■ THD vs. Output Power

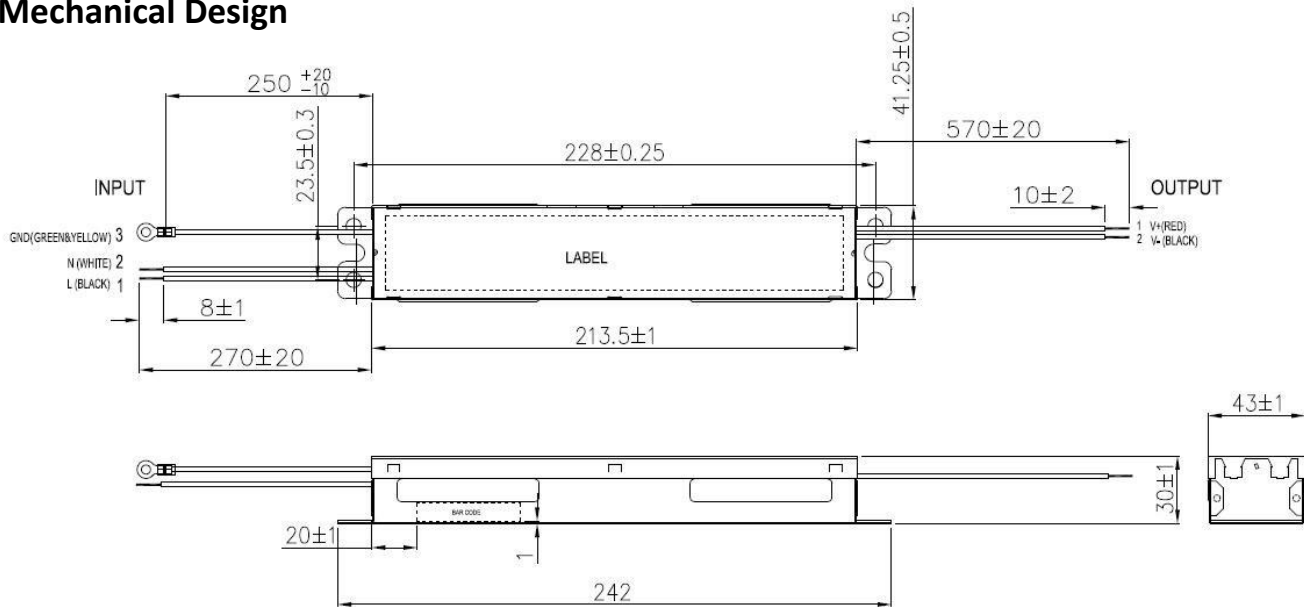
(@ 25°C)



■ Efficiency vs. Output power

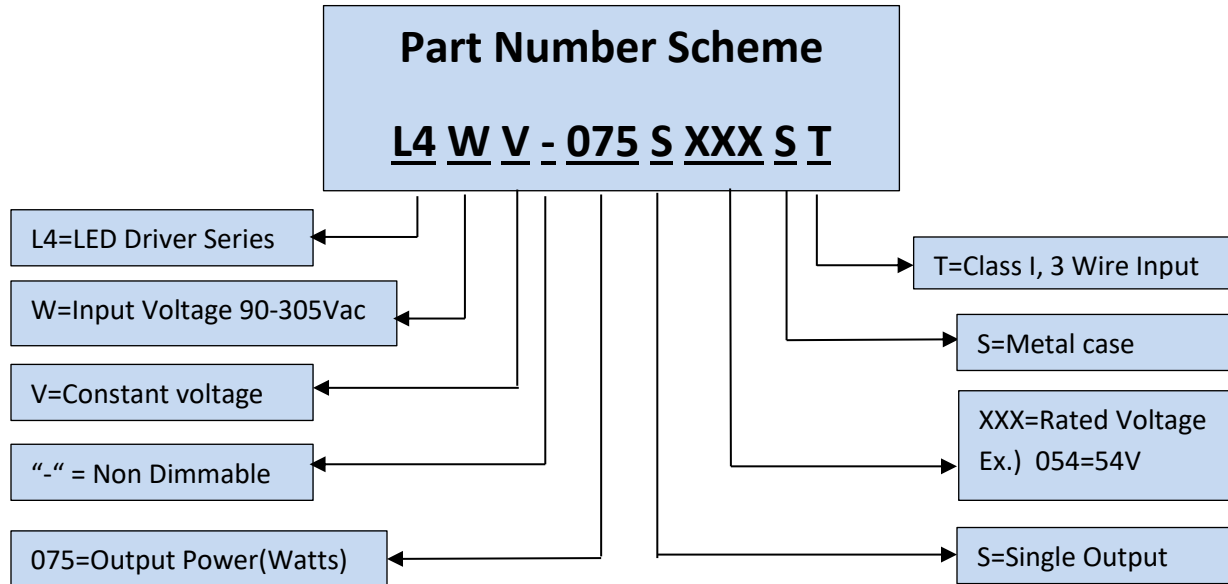


■ Mechanical Design



- Notes: 1. Outline Dimension: 242*42*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.