

■ Features

- Power Rating: 60W
- Input Voltage: 120-277Vac \pm 10%
- Constant voltage design
- Adjustable output current(0-2500mA)
- Efficiency to 86%
- UL Class 2
- OCP and SCP
- IP20
- 5-year warranty



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

■ Application

- Indoor lights

■ 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 |
|--------------------|----------------------|--------------|----------------|---------------------|---------------------|----------------------------------|---------------|
| LXWV-060S012ST-J20 | 120~277Vac \pm 10% | 60W | 12V | 0mA | 500mA | 84%@120V 85%@240V 85%@277V | UL/cUL |
| LXWV-060S024ST-J20 | 120~277Vac \pm 10% | 60W | 24V | 0mA | 2500mA | 85%@120V 86%@240V 86%@277V | UL/cUL |

■ Technical Data

| | |
|---------------------------|---|
| Input voltage range | 120~277Vac \pm 10% |
| Frequency | 50/60Hz |
| Power factor | > 0.9 under 120~277Vac input with 80~100% load condition (for all output voltage) |
| Inrush current | 20A @230V |
| Max input current | 0.63A @120V 0.32A @240V and 0.28A @277V |
| THD | < 20% under 120~277Vac input with 80~100% load condition (for all output voltage) |
| Load Regulation | \pm 2% |
| Line Regulation | \pm 1% |
| Voltage Tolerance | \pm 5% at full load condition |
| Turn-on Delay Time | < 0.75s at full load condition |
| Overshoot | < 10% at full load condition |
| No Load Power Consumption | < 3W |

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■ Technical Data

| | |
|--------------------------|--|
| Ripple & Noise (pk-pk) | < 3% |
| Withstand voltage | Input to output, 2,800Vdc, 2mA |
| Leakage current | Maximum 0.5mA at 277Vac, 60Hz input |
| Protection | Over voltage protection: Hiccup mode. Protection will trigger when load voltage exceed specified output voltage and will auto recover after the fault mode is removed. Over current protection: Hiccup mode. Protection will trigger when load current exceed specified output current and will auto recover after the fault mode is removed. Short circuit protection: Hiccup mode. Protection will trigger when short circuit and will auto recover after the fault mode is removed. |
| Operating temperature | -40 to 60°C |
| Storage temperature | -40 to 85°C |
| Humidity | 5% to 95% |
| MTBF | 299,000 hours at 40°C ambient (~70°C case temp) |
| Life rating | 80,000 hours at 120Vac input, 100% load and 60°C case temperature |
| Maximum case Temperature | 90°C |
| Length (L) | 9.49" (241mm) |
| Width (W) | 3.00" (76.20mm) |
| Height (H) | 1.30" (33.02mm) |
| Mounting (M) | 9.06" (230.12mm) |
| Packing | 0.85kg / unit; 20pcs / carton; 800pcs / pallet |

■ Safety Compliance

| | |
|--------------------|--|
| UL/cUL | UL 8750 |
| CE | EN61347-1, EN61347-2-13 |
| FCC, 47CFR Part 15 | ANSI C63.4:2009 Class B (Consumer Limit) |
| EN61000-3-2 | Harmonic Current Emissions Class C |

Disclaimer:

Autec Power Systems' (Autec) LED Drivers are Hi-Pot tested during the manufacturing process. Autec assumes no responsibility for secondary Hi-Pot testing at customer location or designated production line(s). Should customer require further Hi-Pot testing, at their own production line, following assembly of the LED Driver into the customer's assembled fixture, Autec requests advance notice. This request must be communicated to Autec in a timely manner and is recommended to be requested at time of issuing each purchase order.

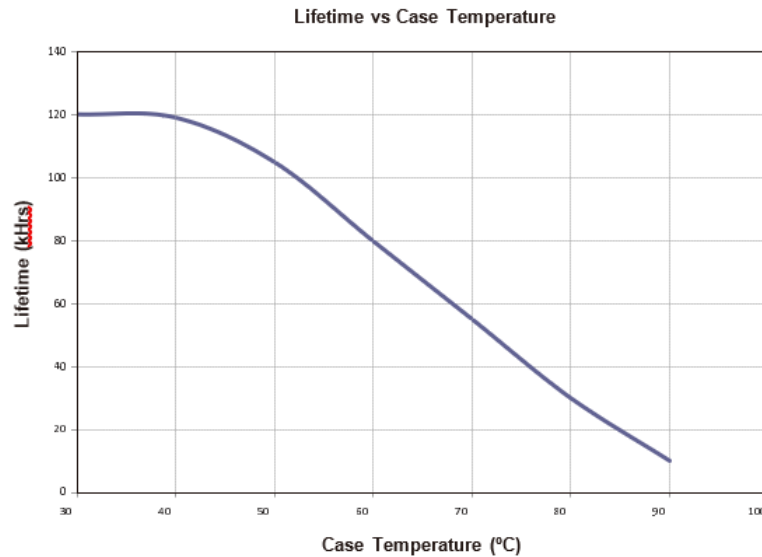
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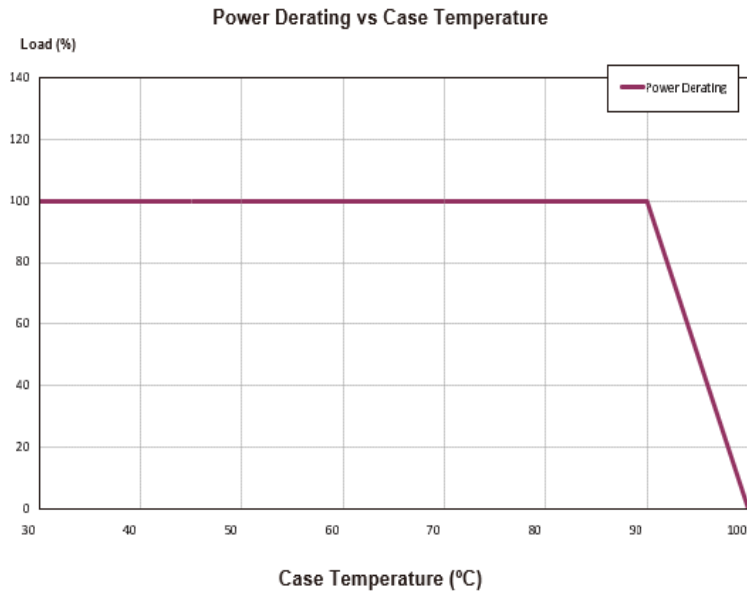
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■ Lifetime vs Case Temperature



■ Power Derating vs Case Temperature



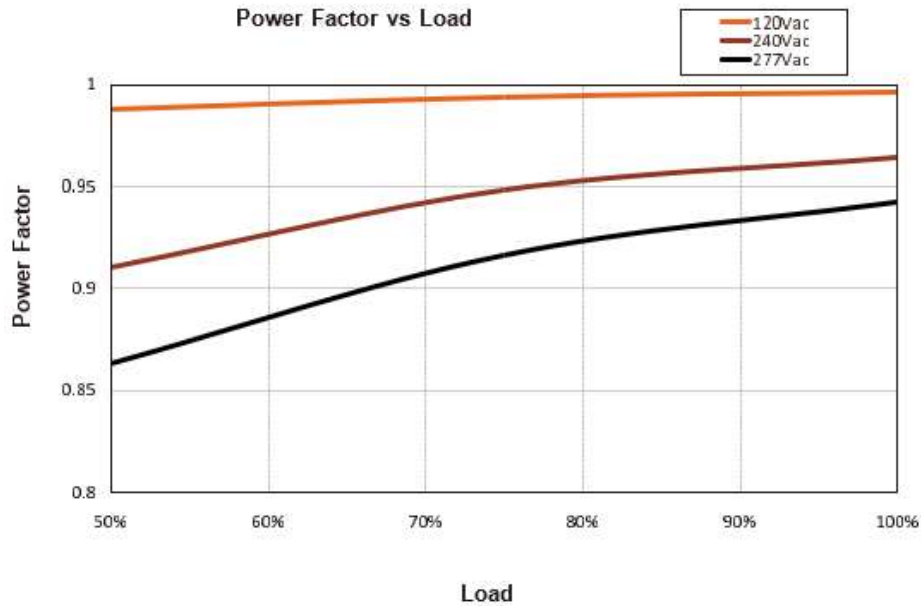
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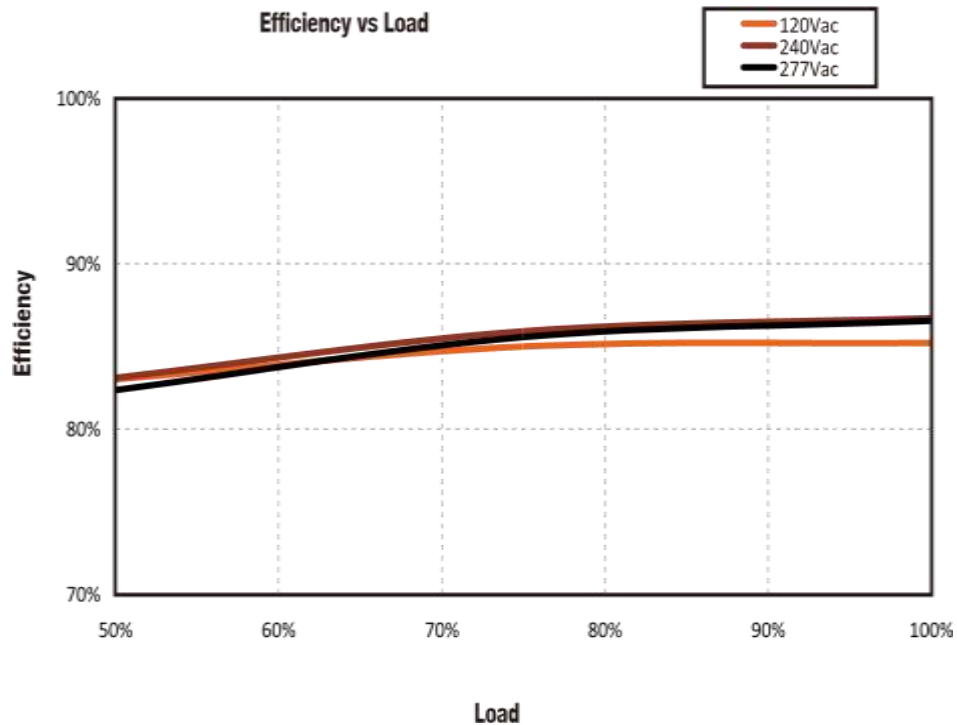
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■ Power Factor vs Load



■ Efficiency vs Load



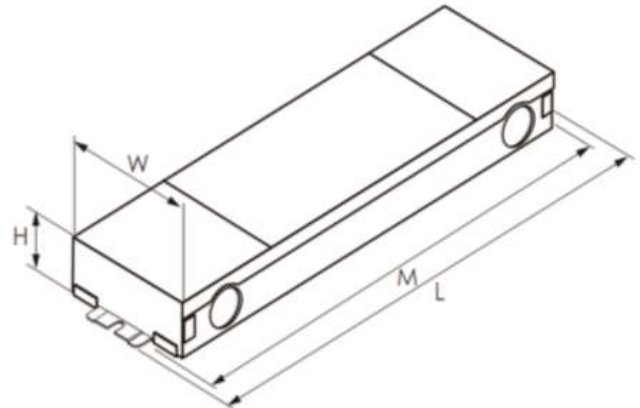
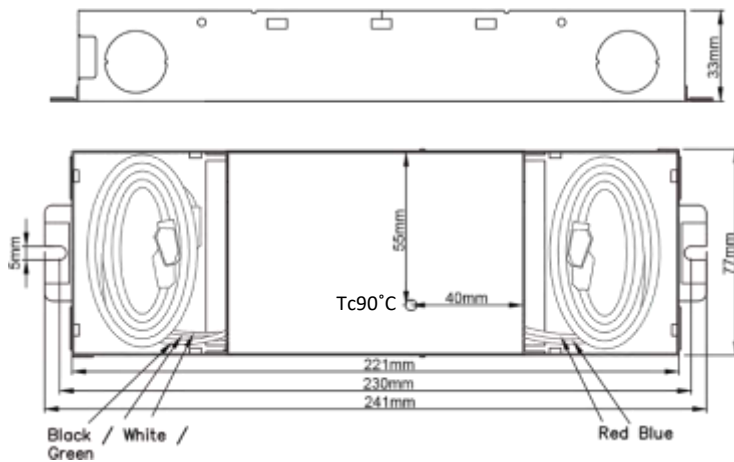
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■ Wiring Diagram

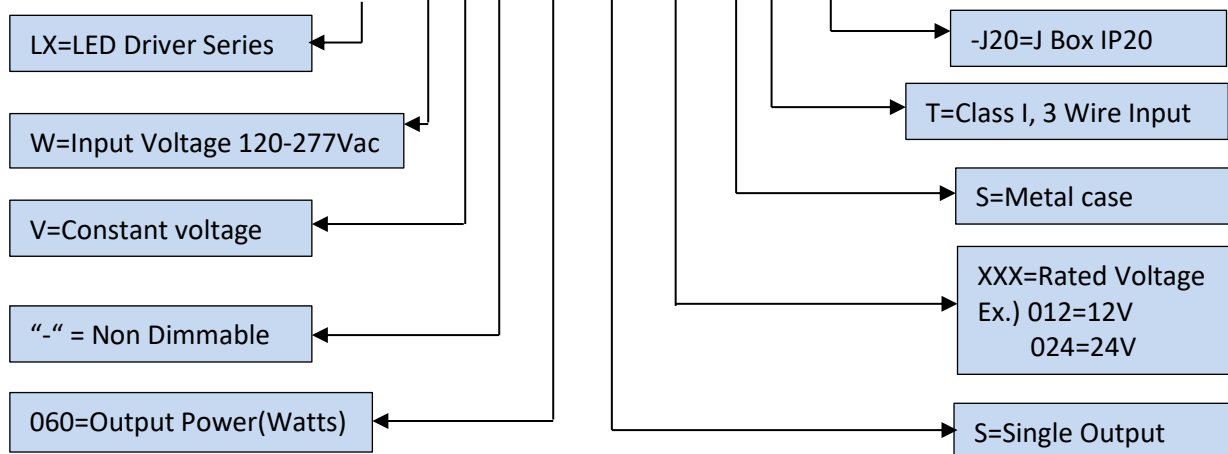


| Wire Specifications | |
|---------------------|---|
| Input | 12", UL 1316 #18AWG (White, Black, and Green) |
| Output | 12", UL 1316/1430 #18AWG (Red and Blue) |



Part Number Scheme

LX W V - 060 S XXX S T -J20



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

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

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