

■ Features

- Power Rating: 24W
- Input Voltage: 120~277Vac $\pm 10\%$
- Constant voltage design
- Settable output current (0-2000mA)
- Efficiency to 85%
- UL, Type HL, Type TL, Class 2
- OCP, OCP, and SCP
- IP20
- 5-year warranty
- Sign Components Manual (SAM)

RoHS
 Compliant


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

■ Application

- Indoor lights
- Hazardous locations

■ 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-024S012SS-20	108~305Vac $\pm 10\%$	24W	12V	0mA	2000mA	81%@120V 82%@240V 81%@277V	UL/cUL
LXWV-024S024SS-20	108~305Vac $\pm 10\%$	24W	24V	0mA	1000mA	85%@120V 84%@240V 84%@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	7A @230V
Max input current	0.27 @ 120V, 0.15A @240V, and 0.13A @ 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	< 1.5W

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■ Technical Data(cont.)

Ripple & Noise (pk-pk)	< 10%
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	376,000 hours at 40°C ambient (~70°C Case temp)
Life rating	85,000 hours at 120Vac input, 100% load and 60°C case temperature
Maximum case Temperature	90°C
Length (L)	4.80" (122mm)
Width (W)	1.58" (40mm)
Height (H)	0.96" (25mm)
Mounting (M)	4.29" (109mm)
Packing	0.22kg /unit; 60pcs/carton; 2,700pcs /pallet

■ Safety Compliance

UL/cUL	UL 8750 , UL879
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.

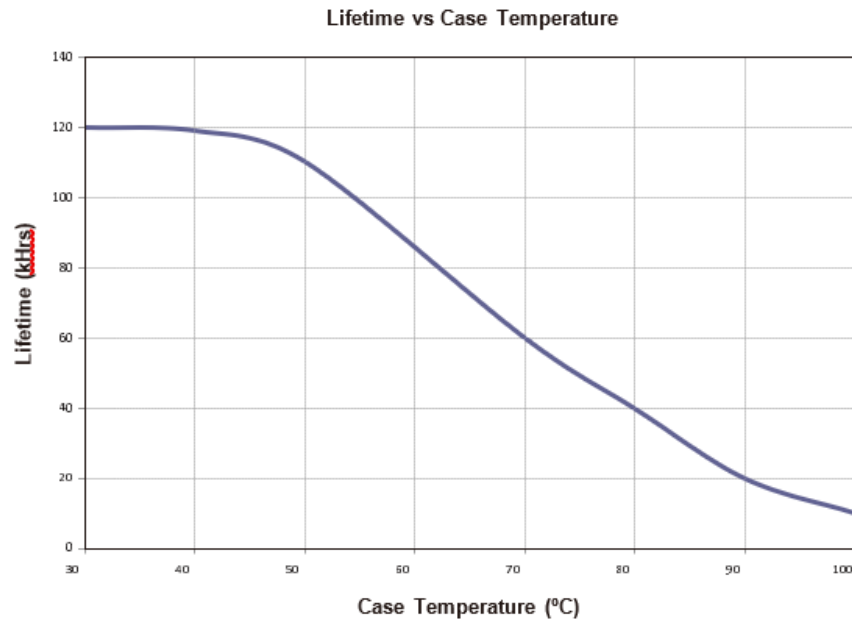
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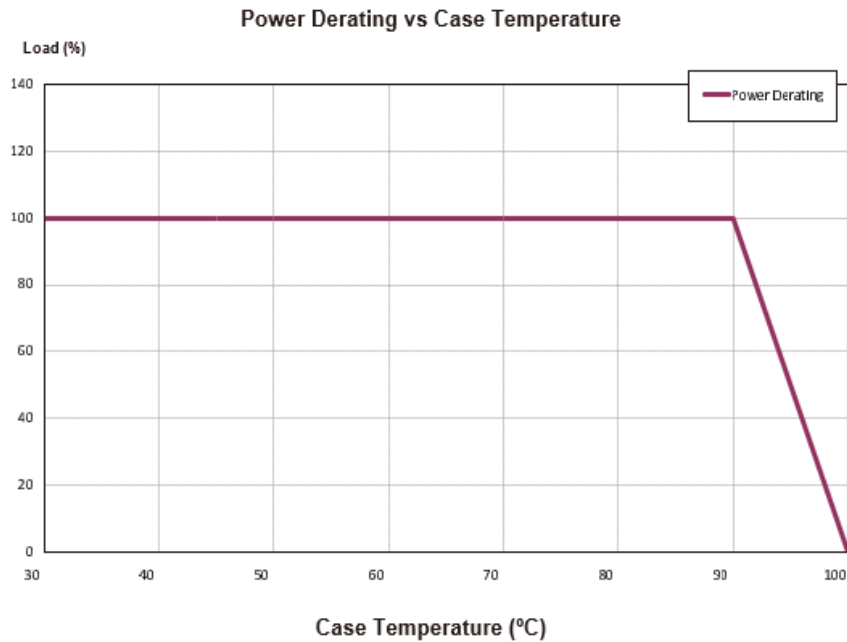
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■ Lifetime vs Case Temperature



■ Power Derating vs Case Temperature



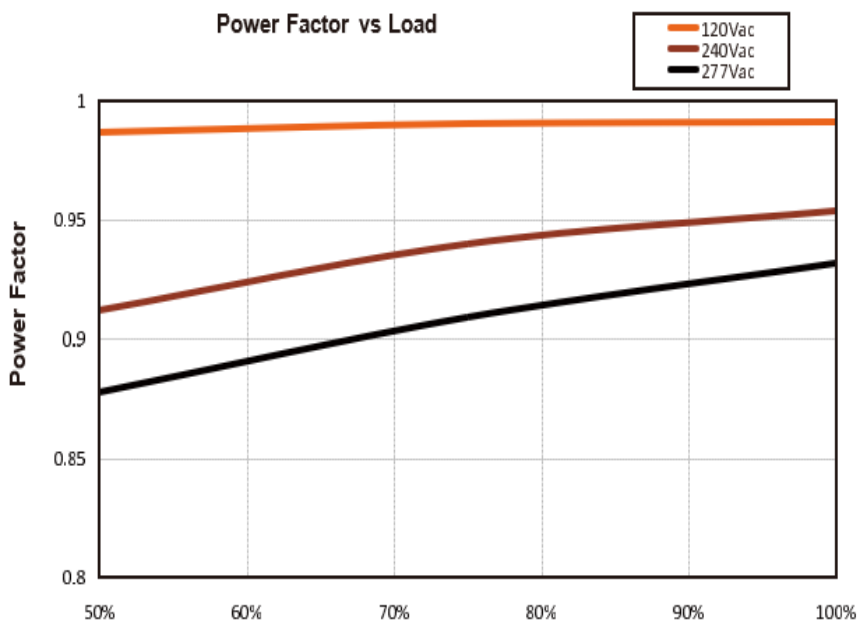
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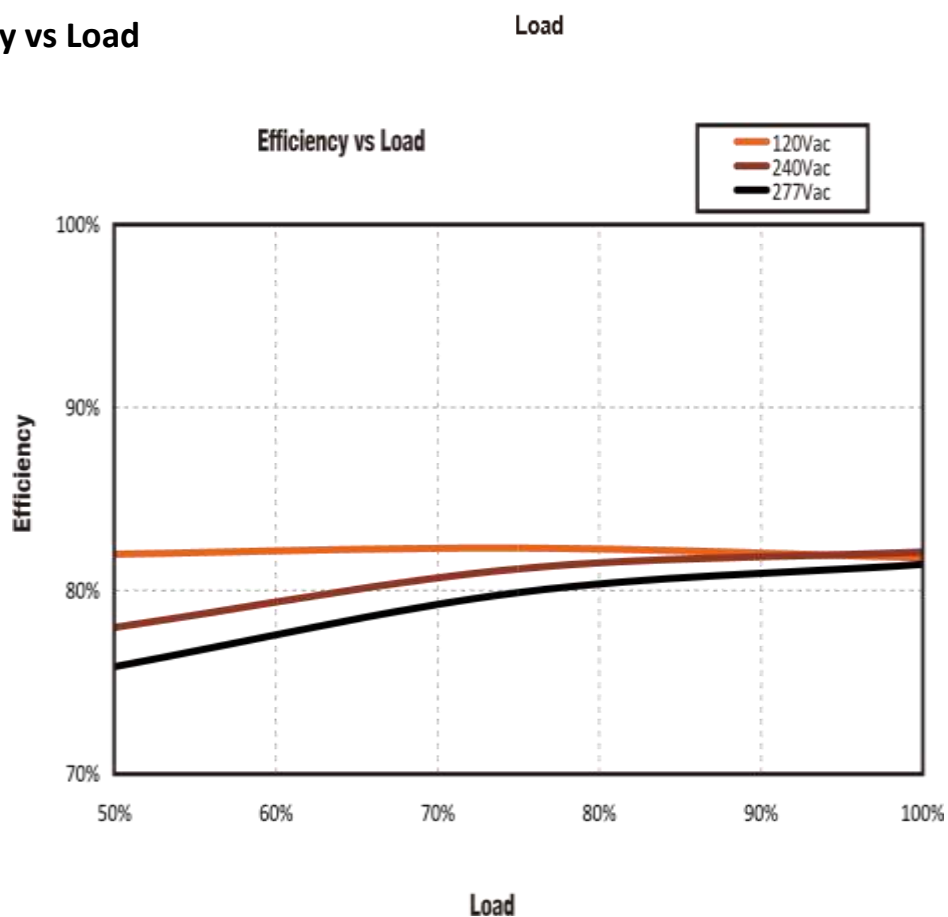
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■ **Power Factor vs Load**



■ **Efficiency vs Load**



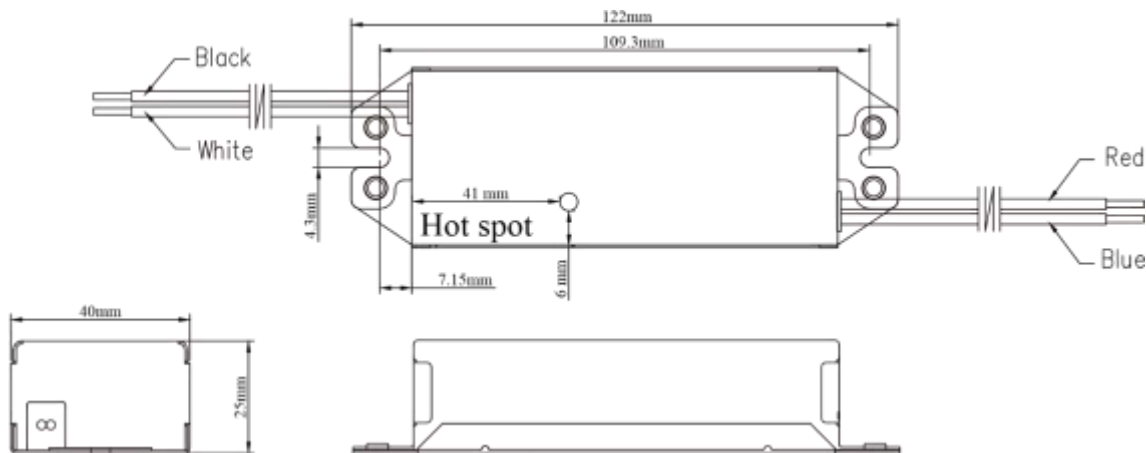
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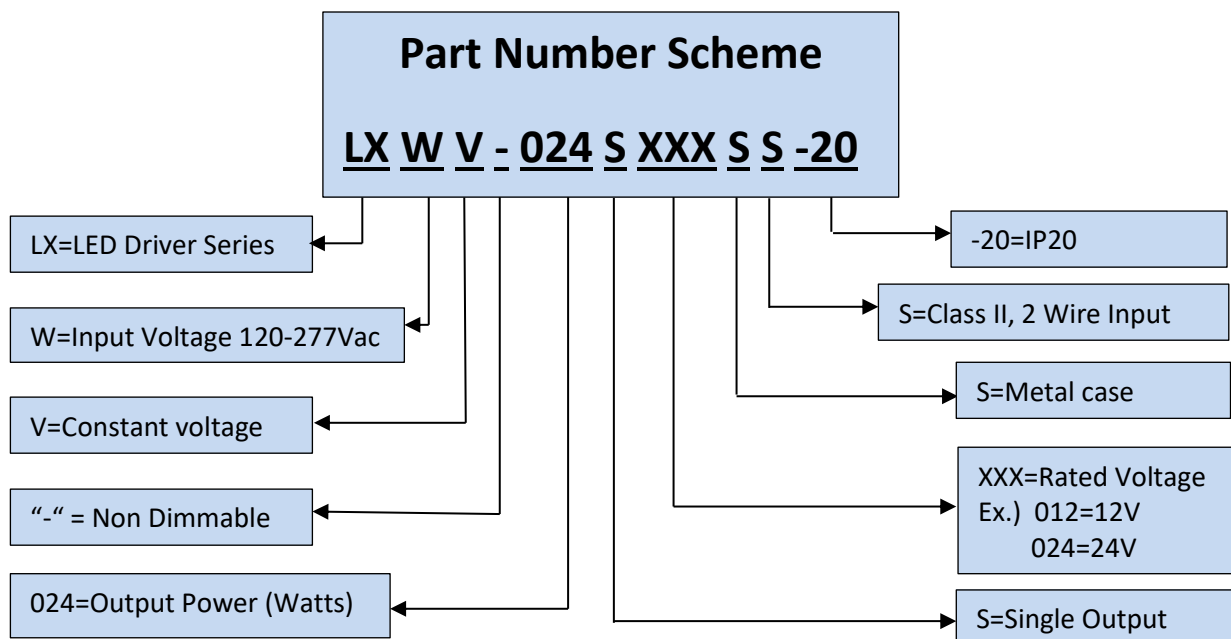
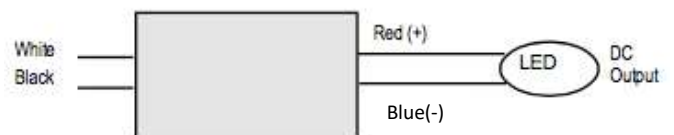
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■ **Wiring Diagram**



Wire specifications	
Input	12", UL 1316 #18AWG (White, Black)
Output	12", UL 1316 #18AWG (Red and Blue)



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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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