

■ Features

- Power Rating: 50W
- Input Voltage: 120-277Vac $\pm 10\%$
- Constant voltage design
- Settable output current (0-1050mA)
- Efficiency to 85%
- UL, Type HL, Type TL, Class 2
- OCP, OCP, and SCP
- IP20
- 5-year warranty

■ Application

- Indoor lights
- Hazardous locations

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



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

Model Number	Input Voltage Range	Output Power	Output Voltage	Output Current Min.	Output Current Max.	Efficiency	Certification
LXWV-050S048SS-20	120-277Vac $\pm 10\%$	50W	48V	0mA	1050mA	84%@120V 85%@240V 85%@277V	UL/-

■ 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	0.52A @ 120V, 0.26A @ 240V, and 0.24A @ 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	< 2W

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■ Technical Data(cont.)

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)	5.00" (127mm)
Width (W)	3.00" (76mm)
Height (H)	1.38" (35mm)
Mounting (M)	4.63" (117mm)
Packing	0.58kg /unit; 30pcs/carton; 1,080pcs /pallet

■ Safety Compliance

UL/cUL	UL 8750 pending
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.

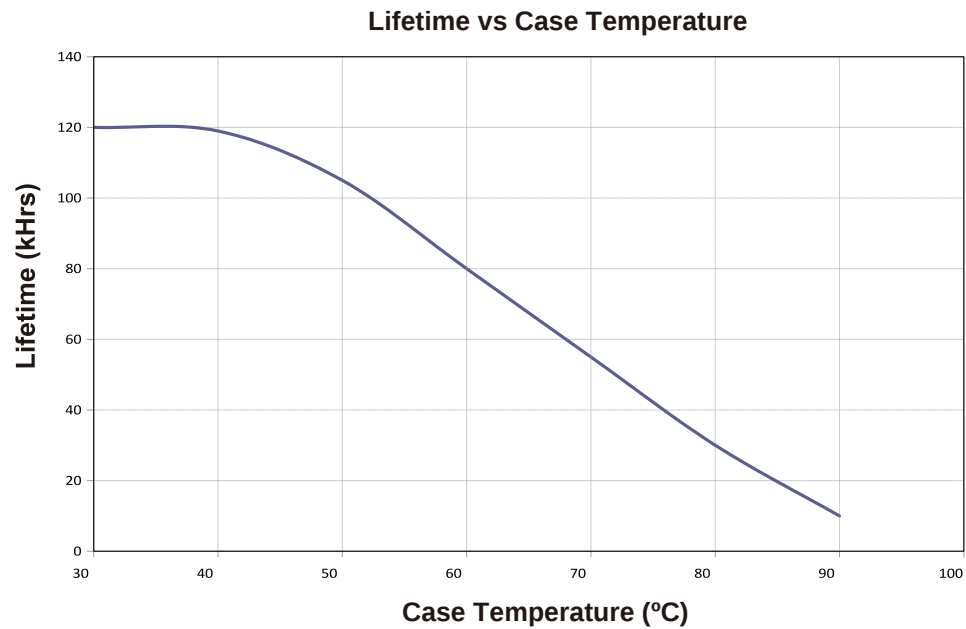
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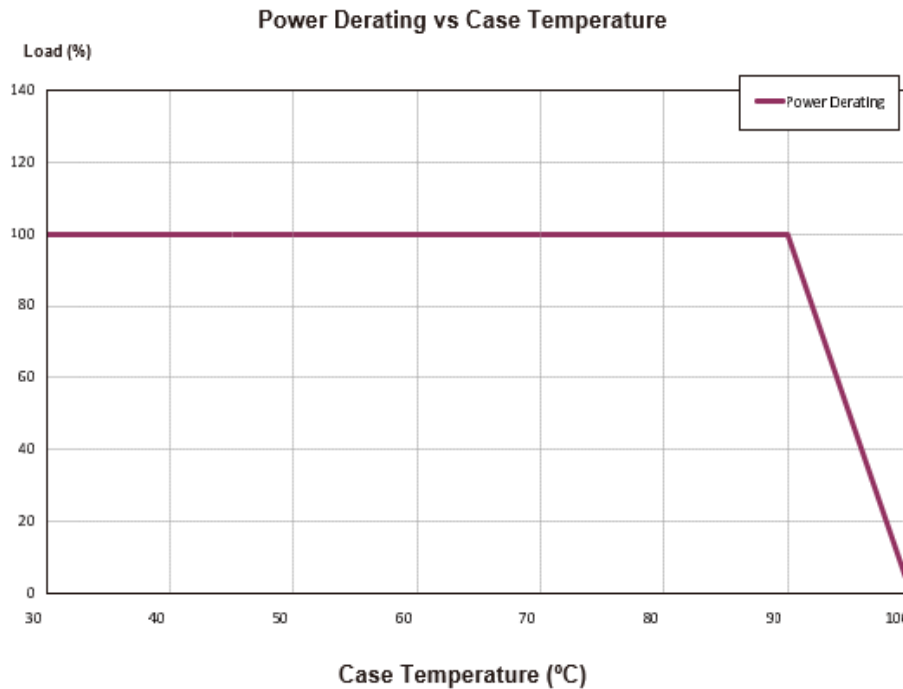
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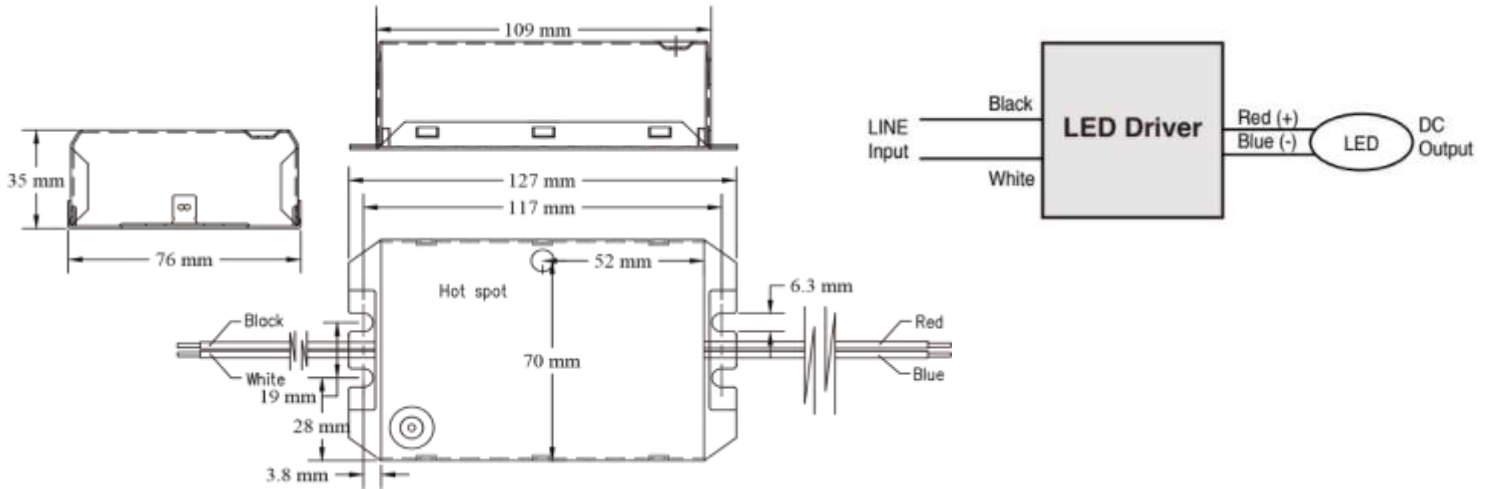
■ Lifetime vs Case Temperature



■ Power Derating vs Case Temperature



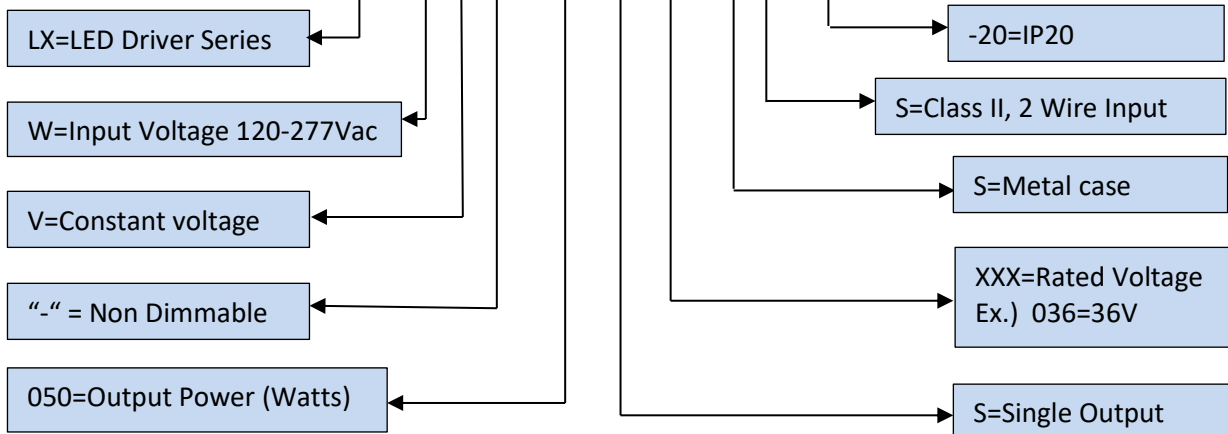
■ **Wiring Diagram**



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

Part Number Scheme

LX W V – 050 S XXX S S -20



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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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