

■ Features

- Power Rating: 50W
- Input Voltage: 120-277Vac \pm 10%
- Constant current design
- Fixed output current(450mA-1100mA)
- Efficiency to 85%
- Dimming: 0-10V
- UL Class 2, Type HL
- OVP, OCP, SCP, and OTP
- IP20
- 5-year warranty
- Metal case



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

■ Application

- Indoor or outdoor 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
LXWCD050D045SS-20	120~277Vac \pm 10%	25Wx2	27-54V	450mA	450mA	83% @120V 84% @240V 85% @277V	UL/-
LXWCD050D050SS-20	120~277Vac \pm 10%	25Wx2	25-50V	500mA	500mA	83% @120V 84% @240V 85% @277V	UL/-
LXWCD050D060SS-20	120~277Vac \pm 10%	25Wx2	21-42V	600mA	600mA	83% @120V 84% @240V 85% @277V	UL/cUL
LXWCD050D070SS-20	120~277Vac \pm 10%	25Wx2	18-36V	700mA	700mA	83% @120V 84% @240V 85% @277V	UL/cUL
LXWCD050D080SS-20	120~277Vac \pm 10%	25Wx2	16-31V	800mA	800mA	82% @120V 83% @240V 84% @277V	UL/cUL
LXWCD050D090SS-20	120~277Vac \pm 10%	25Wx2	14-28V	900mA	900mA	82% @120V 83% @240V 84% @277V	UL/cUL
LXWCD050D100SS-20	120~277Vac \pm 10%	25Wx2	12-24V	1000mA	1000mA	82% @120V 83% @240V 84% @277V	UL/cUL
LXWCD050D110SS-20	120~277Vac \pm 10%	25Wx2	12-23V	1100mA	1100mA	82% @120V 83% @240V 84% @277V	UL/cUL

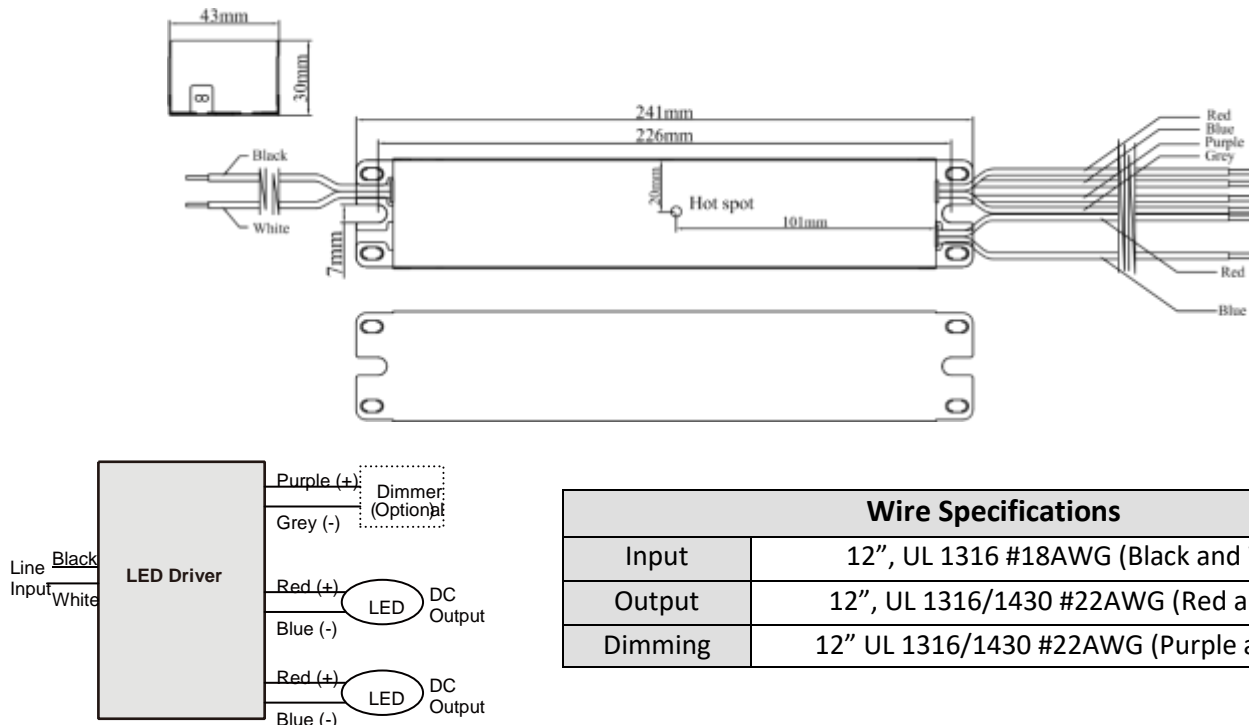
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■ Wiring Diagram



Wire Specifications	
Input	12", UL 1316 #18AWG (Black and White)
Output	12", UL 1316/1430 #22AWG (Red and Blue)
Dimming	12" UL 1316/1430 #22AWG (Purple and Grey)

■ 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 currents)
Inrush current	20A @ 230V
Max input current	0.54A @120V, 0.30A @240V, 0.24A @277V
THD	< 20% under 120~277Vac input with 80~100% load condition (for all output currents)
Load Regulation	\pm 2%
Line Regulation	\pm 1%
Current 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
Ripple & Noise (pk-pk)	<3%
Withstand voltage	Input to output, 2,800Vdc, 2mA
Leakage current	Maximum 0.5mA at 277Vac, 60Hz input

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■ Technical Data(cont.)

Protection	<p>Over voltage protection: Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.</p> <p>Over current protection: Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed.</p> <p>Short circuit protection: Hiccup mode. Protection will trigger when short circuit and will auto recover after the fault mode is removed. Over temperature protection: Protection will trigger when driver overheat and auto-recovery when cooled down.</p>
Operating temperature	-40 to 60°C
Storage temperature	-40 to 85°C
Humidity	5% to 95%
MTBF	275,000 hours at 40°C ambient (~70°C case temp)
Life rating	60,000 hours at 120Vac input, 100% load and 60°C case temp
Maximum case Temperature	70°C
Length (L)	9.50" (241mm)
Width (W)	1.70" (43mm)
Height (H)	1.15" (30mm)
Mounting (M)	8.90" (226mm)
Packing	0.6kg/unit; 30pcs/carton; 1,200pcs/pallet

■ Safety Compliance

UL/cUL	UL 8750, Type HL
CE	EN61347-1, EN61347-2-13
FCC, 47CFR Part 15	ANSI C63.4:2009 Class A (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.

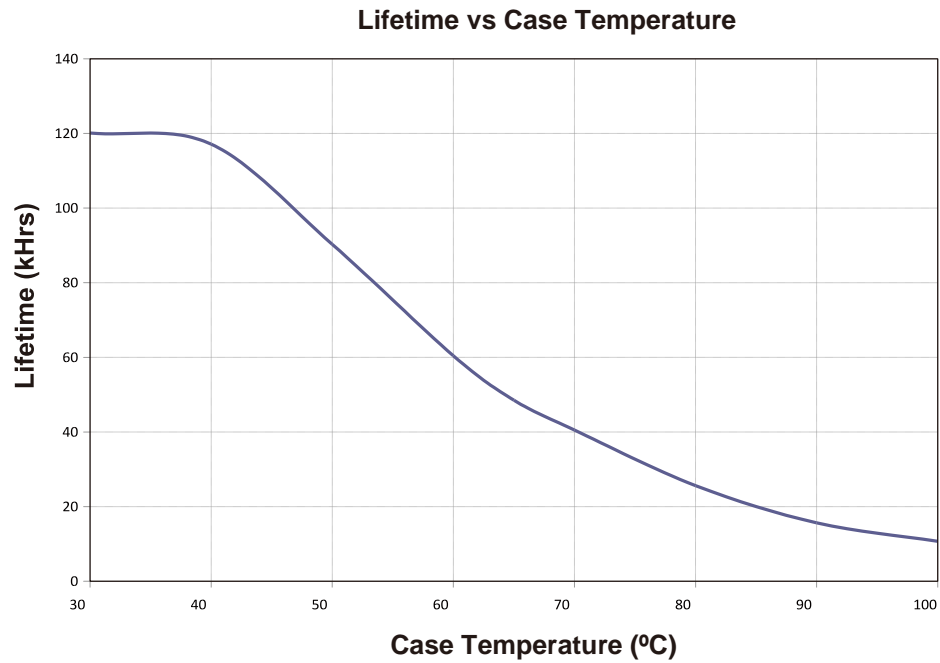
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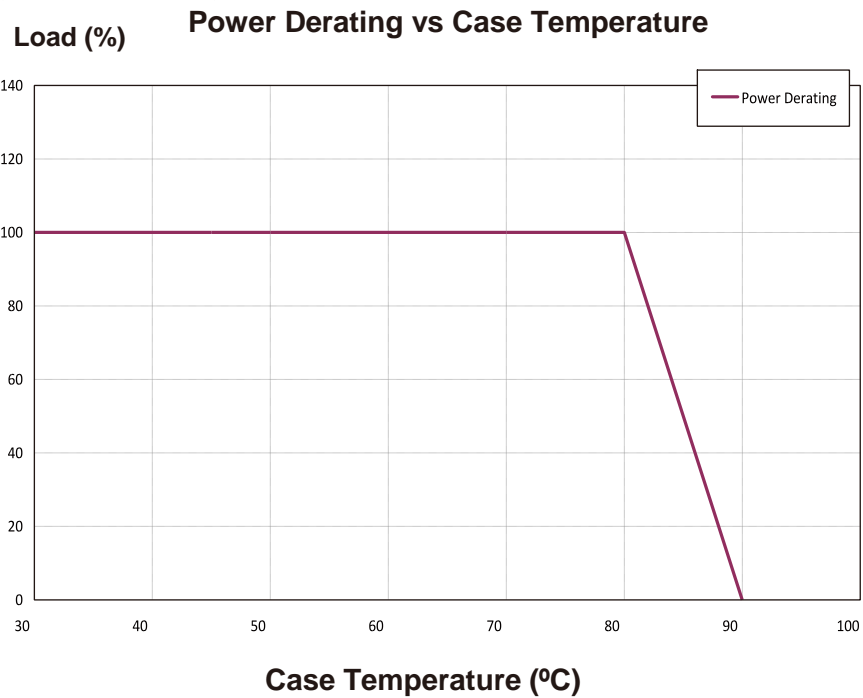
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■ Lifetime vs Case Temperature



■ Power Derating vs Case Temperature



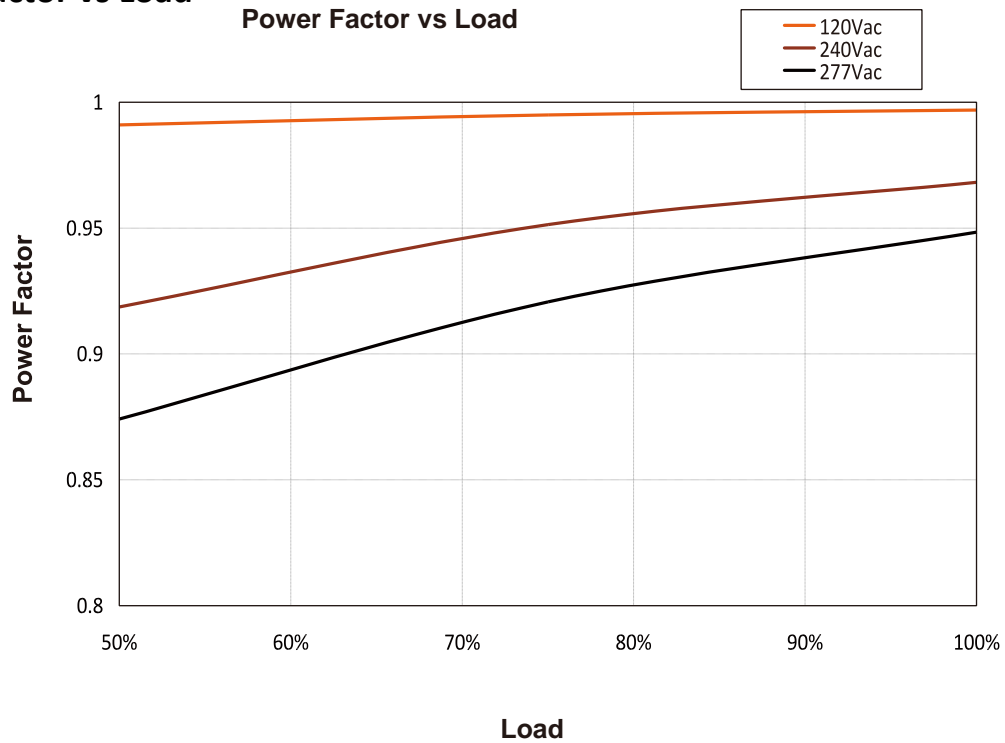
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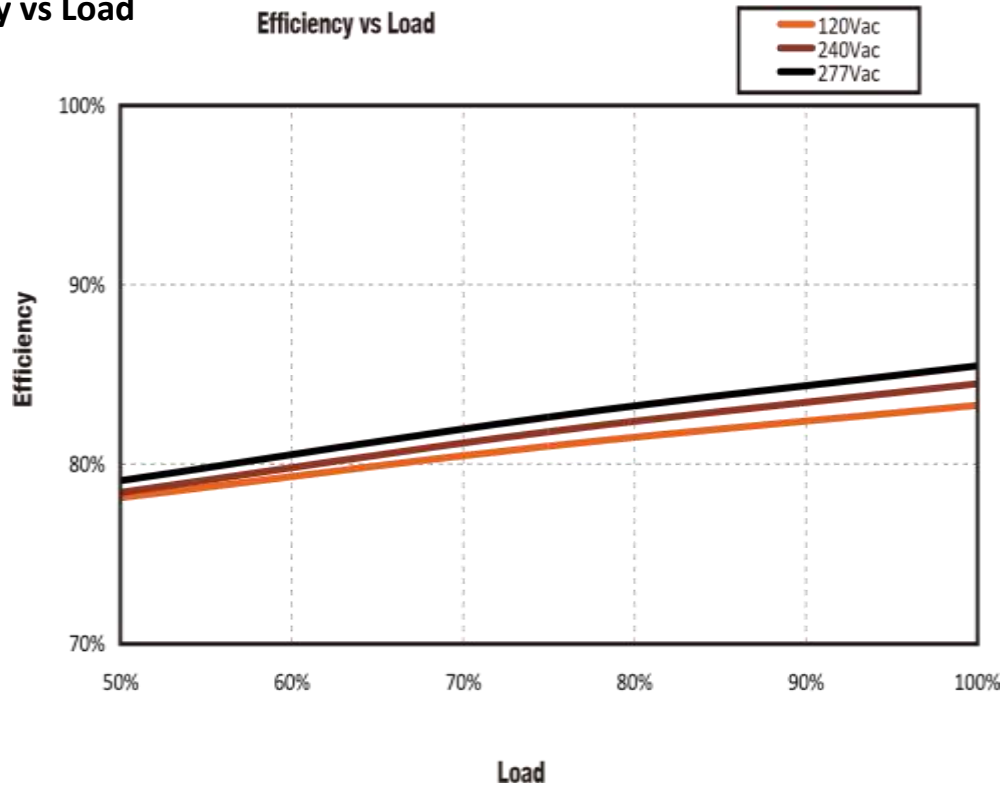
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■ **Power Factor vs Load**



■ **Efficiency vs Load**

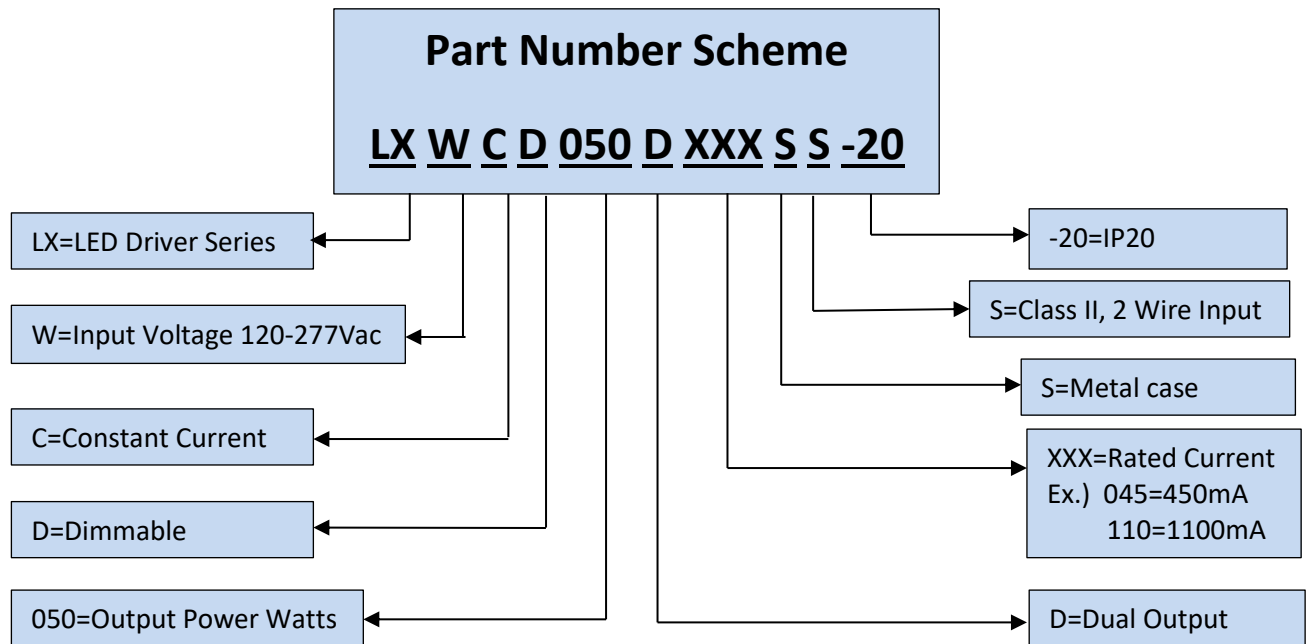


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