

■ Features

- Power Rating: 80W
- Input Voltage: 120-277Vac $\pm$ 10%
- Constant current design
- Fixed output current(500mA-3000mA)
- Efficiency to 87%
- Dimming: 0-10V
- UL Class P. Type HL, Class 2 output options available
- OVP, OCP, SCP, and OTP
- IP20
- 5-year warranty
- Metal case

RoHS
 Compliant


*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
LXWCD080S050ST-20	120~277Vac $\pm$ 10%	80W	80-160V	500mA	500mA	85%@120V 86%@240V 87%@277V	-/-
LXWCD080S060ST-20	120~277Vac $\pm$ 10%	80W	67-133V	600mA	600mA	85%@120V 86%@240V 87%@277V	-/-
LXWCD080S070ST-20	120~277Vac $\pm$ 10%	80W	57-114V	700mA	700mA	85%@120V 86%@240V 87%@277V	-/-
LXWCD080S080ST-20	120~277Vac $\pm$ 10%	80W	50-100V	800mA	800mA	85%@120V 86%@240V 87%@277V	-/-
LXWCD080S090ST-20	120~277Vac $\pm$ 10%	80W	44-89V	900mA	900mA	85%@120V 86%@240V 87%@277V	-/-
LXWCD080S100ST-20	120~277Vac $\pm$ 10%	80W	40-80V	1000mA	1000mA	85%@120V 86%@240V 87%@277V	-/-
LXWCD080S110ST-20	120~277Vac $\pm$ 10%	80W	36-73V	1100mA	1100mA	85%@120V 86%@240V 86%@277V	-/-
LXWCD080S120ST-20	120~277Vac $\pm$ 10%	80W	33-67V	1200mA	1200mA	85%@120V 86%@240V 86%@277V	-/-
LXWCD080S130ST-20	120~277Vac $\pm$ 10%	80W	31-62V	1300mA	1300mA	85%@120V 86%@240V 86%@277V	-/-
LXWCD080S140ST-20*	120~277Vac $\pm$ 10%	80W	29-57V	1400mA	1400mA	85%@120V 86%@240V 86%@277V	UL/-

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LXWCD080S150ST-20*	120~277Vac $\pm$ 10%	80W	27-53V	1500mA	1500mA	85%@120V 86%@240V 86%@277V	UL/-
LXWCD080S160ST-20*	120~277Vac $\pm$ 10%	80W	25-50V	1600mA	1600mA	85%@120V 86%@240V 86%@277V	UL/-
LXWCD080S170ST-20*	120~277Vac $\pm$ 10%	80W	24-47V	1700mA	1700mA	85%@120V 86%@240V 86%@277V	UL/-
LXWCD080S180ST-20*	120~277Vac $\pm$ 10%	80W	22-44V	1800mA	1800mA	85%@120V 86%@240V 86%@277V	UL/-
LXWCD080S190ST-20*	120~277Vac $\pm$ 10%	80W	21-42V	1900mA	1900mA	85%@120V 86%@240V 86%@277V	UL/-
LXWCD080S200ST-20*	120~277Vac $\pm$ 10%	80W	20-40V	2000mA	2000mA	85%@120V 86%@240V 86%@277V	UL/cUL
LXWCD080S210ST-20*	120~277Vac $\pm$ 10%	80W	19-38V	2100mA	2100mA	84%@120V 85%@240V 85%@277V	UL/cUL
LXWCD080S220ST-20*	120~277Vac $\pm$ 10%	80W	18-36V	2200mA	2200mA	84%@120V 85%@240V 85%@277V	UL/cUL
LXWCD080S230ST-20*	120~277Vac $\pm$ 10%	80W	17-35V	2300mA	2300mA	84%@120V 85%@240V 85%@277V	UL/cUL
LXWCD080S240ST-20*	120~277Vac $\pm$ 10%	80W	17-33V	2400mA	2400mA	84%@120V 85%@240V 85%@277V	UL/cUL
LXWCD080S250ST-20*	120~277Vac $\pm$ 10%	80W	16-32V	2500mA	2500mA	84%@120V 85%@240V 85%@277V	UL/cUL
LXWCD080S260ST-20*	120~277Vac $\pm$ 10%	80W	15-31V	2600mA	2600mA	84%@120V 85%@240V 85%@277V	UL/cUL
LXWCD080S270ST-20*	120~277Vac $\pm$ 10%	80W	15-30V	2700mA	2700mA	84%@120V 85%@240V 85%@277V	UL/cUL
LXWCD080S280ST-20*	120~277Vac $\pm$ 10%	80W	14-29V	2800mA	2800mA	84%@120V 85%@240V 85%@277V	UL/cUL
LXWCD080S290ST-20*	120~277Vac $\pm$ 10%	80W	14-28V	2900mA	2900mA	84%@120V 85%@240V 85%@277V	UL/cUL
LXWCD080S300ST-20*	120~277Vac $\pm$ 10%	80W	13-27V	3000mA	3000mA	84%@120V 85%@240V 85%@277V	UL/cUL

*Class 2 output

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■ 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	30A@120V
Max input current	0.92A @120V, 0.44A @240V, and 0.41A @277V
THD	<20% under 120-277Vac input with 80-100% load condition (for all output currents)
Load regulation	$\pm$ 2%
Line regulation	$\pm$ 1%
Output tolerance	$\pm$ 5% at full load condition
Turn-on delay time	<1s at full load condition
Overshoot	< 10% at full load condition
No load power consumption	< 2W
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 exceeds specified output voltage and will auto recover after the fault mode is removed. 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. Short circuit protection: Hiccup mode. Protection will trigger when it short circuits 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.
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)	9.50" (241mm)
Width (W)	1.70" (43mm)
Height (H)	1.15" (30mm)
Mounting (M)	8.90" (226mm)
Weight	0.55kg
Packaging	0.55kg/unit; 30pcs/carton; 1,080pcs/pallet

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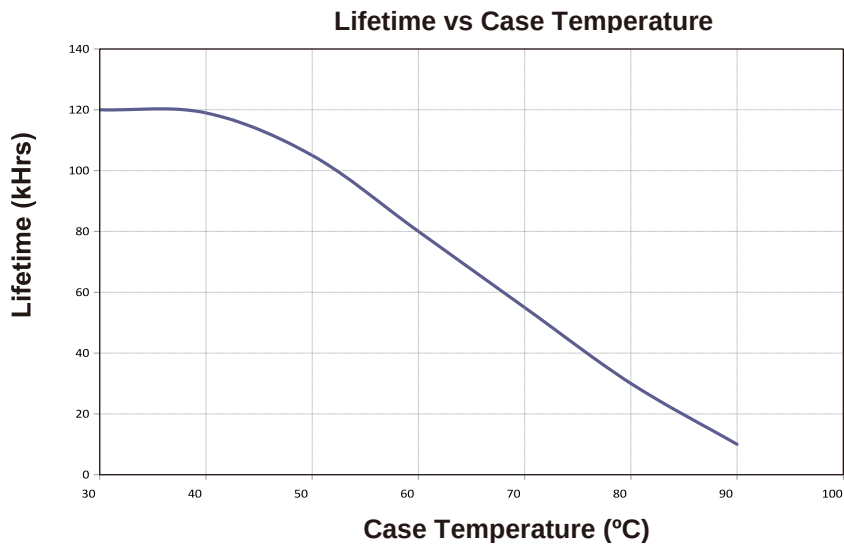
■ Safety Compliance

UL/cUL	UL 8750, Class P, Type HL
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

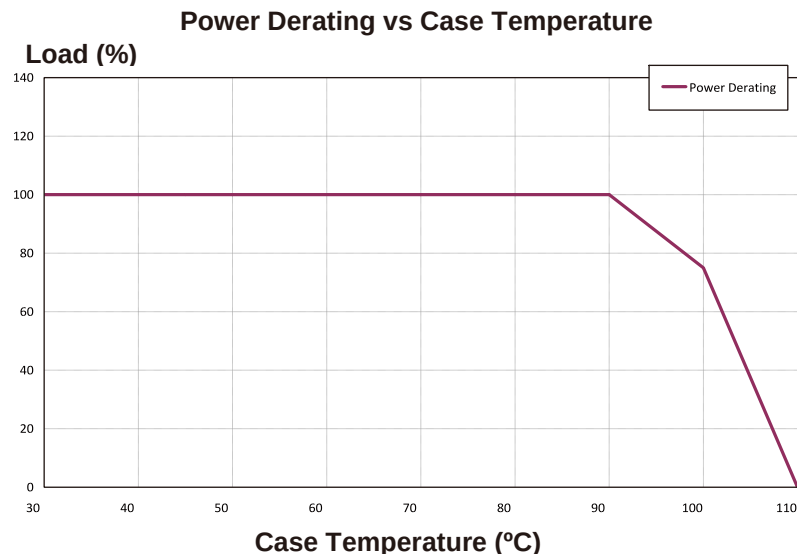
Disclaimer:

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.

■ Lifetime vs Case Temperature



■ Power Derating vs Case Temperature

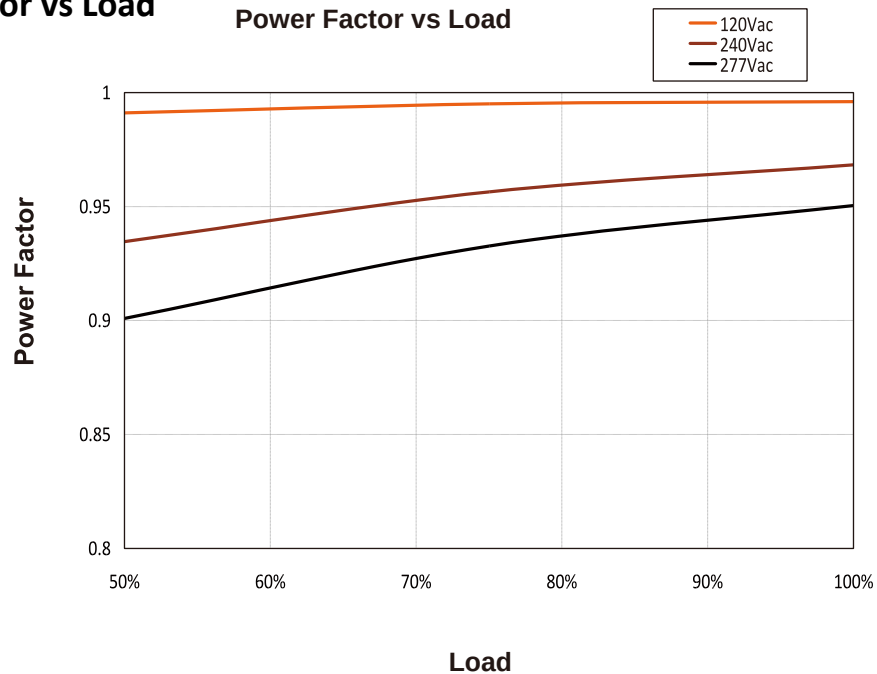


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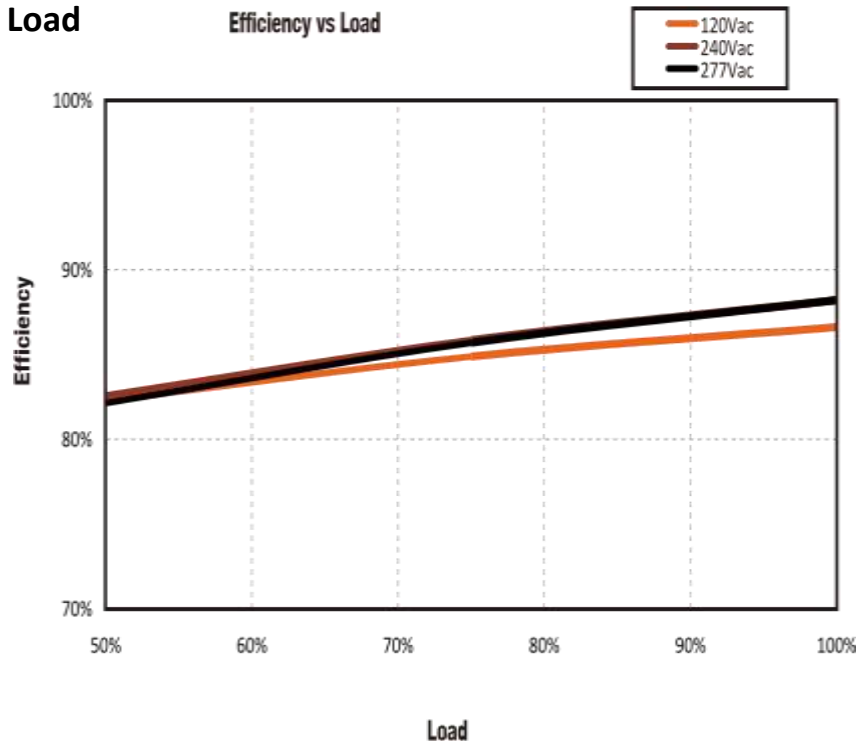
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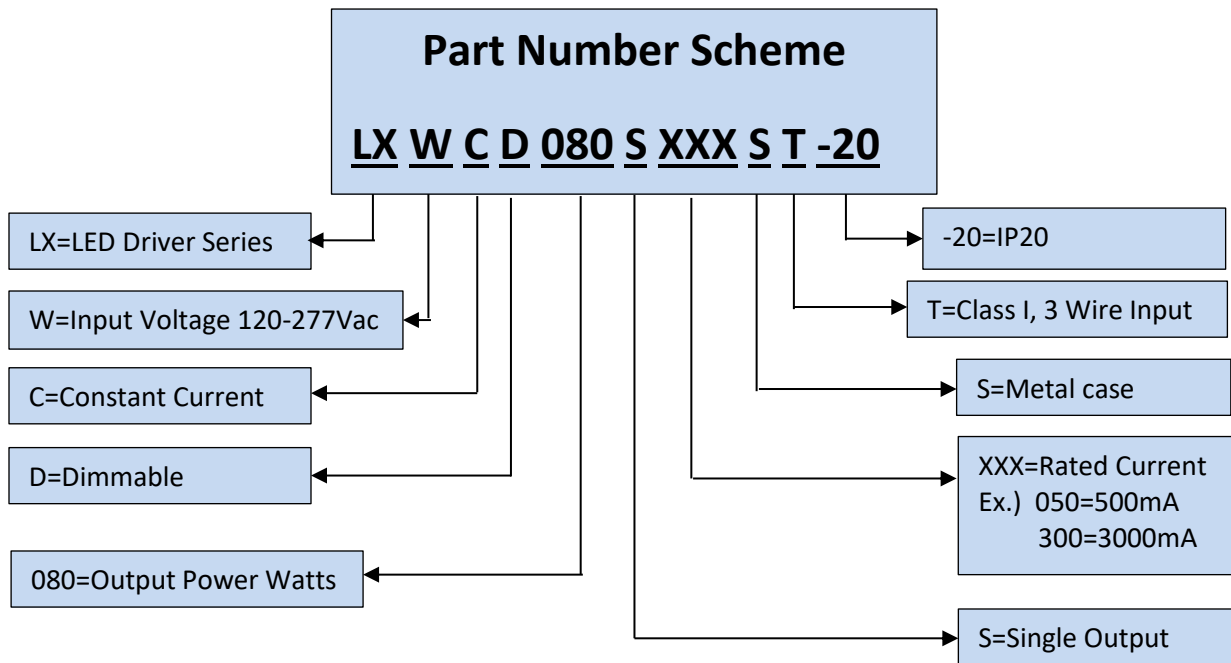
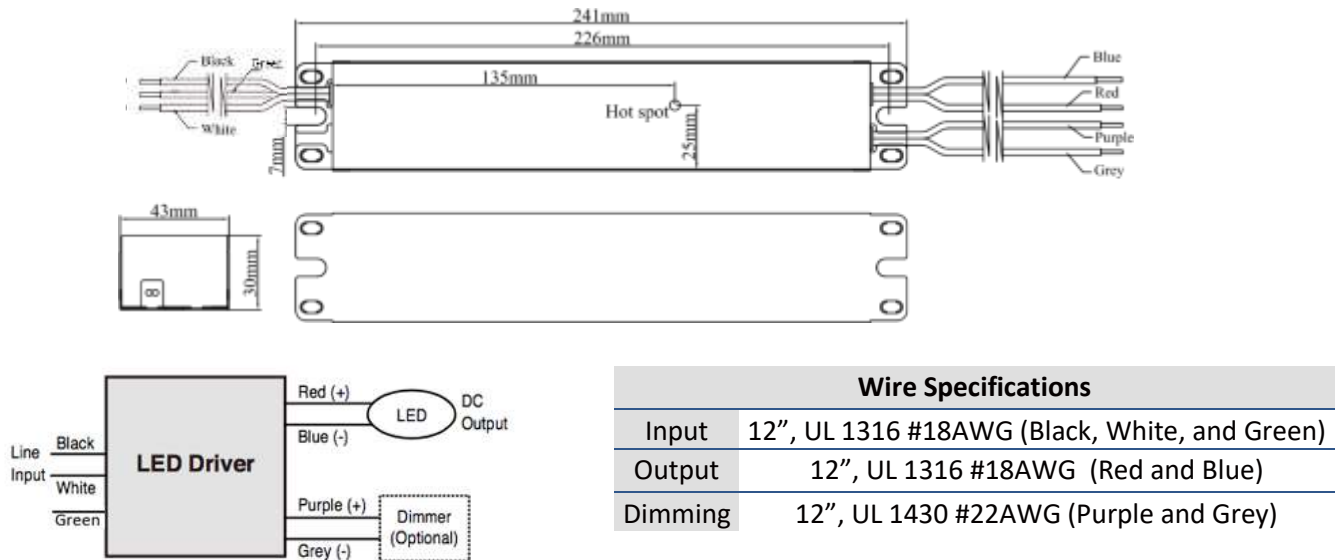
■ **Power Factor vs Load**



■ **Efficiency vs Load**



■ **Wiring Diagram**



***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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