

■ Features

- Power Rating: 100W
- Input Voltage: 120Vac
- Constant current design
- Output currents (1300mA-4160mA)
- Fixed output current
- Efficiency up to 86%
- Dimmable with Triac trailing edge dimming option
- UL Class 2 Output options available
- OVP, SCP, & Open Circuit Protection
- IP67
- 5-year warranty



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

■ Application

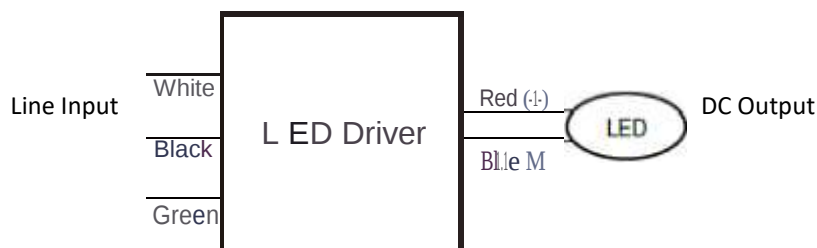
- Indoor and outdoor lights
- Damp locations

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

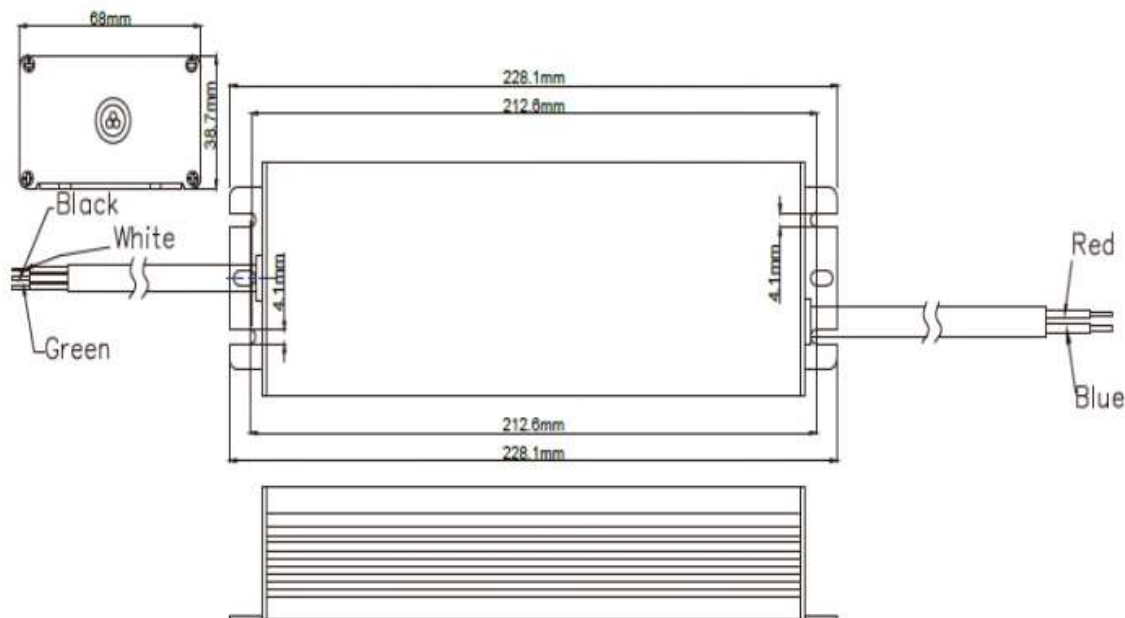
Model Number	Input Voltage Range	Output Power	Output Voltage	Output Current Min.	Output Current Max.	Efficiency	Certification
LXLCT100S130ST	120Vac $\pm$ 10%	100W	26-77V	1300mA	1300mA	87%@240V	UL
LXLCT100S200ST*	120Vac $\pm$ 10%	100W	16-48V	2000mA	2000mA	87%@240V	UL
LXLCT100S416ST*	120Vac $\pm$ 10%	100W	8-24V	4160mA	4160mA	84%@240V	UL

*Class 2 output

■ Wiring Diagram



■ **Wiring Diagram (cont.)**



Input Wire: 12" UL 1569 #18AWG (Black and White)X3C

Output Wire: 12" UL 1430 #22AWG (Red and Blue)X2C

■ **Technical Data**

Input voltage range	120Vac $\pm$ 10%
Frequency	60Hz
Power factor	> 0.9 under 120Vac input with 80~100% load condition (for all output currents)
Inrush current	20A @120V
Max input current	1.04A @120V
THD	< 20% under 120Vac 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	< 1W
Ripple & Noise (pk-pk)	< 3%
Withstand voltage	Input to output, 2,800Vdc, 2mA
Leakage current	Maximum 0.5mA

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■ Technical Data(cont.)

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 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	TBD
Life rating	85,000 hours at 120Vac input, 100% load and 60°C case temperature
Maximum case Temperature	90°C
Length (L)	8.98" (228mm)
Width (W)	2.68" (68mm)
Height (H)	1.52" (39mm)
Mounting (M)	8.37" (213mm)
Weight	1.00kg
Packing	1.00kg; 15pcs/carton; 540/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.

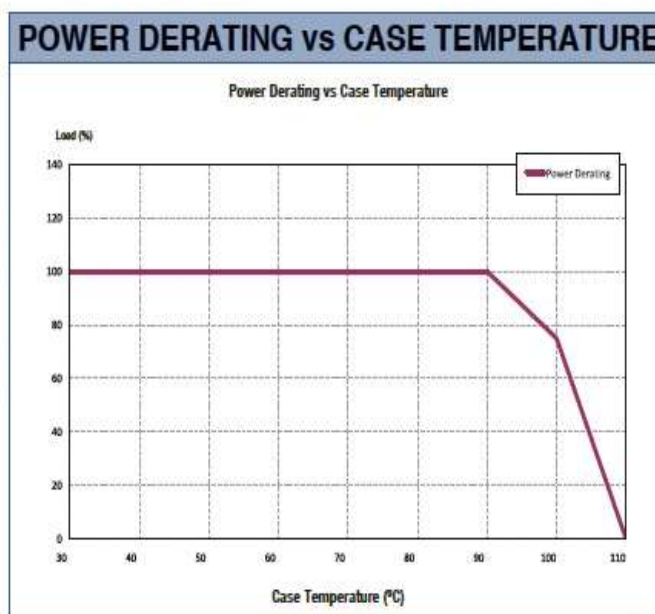
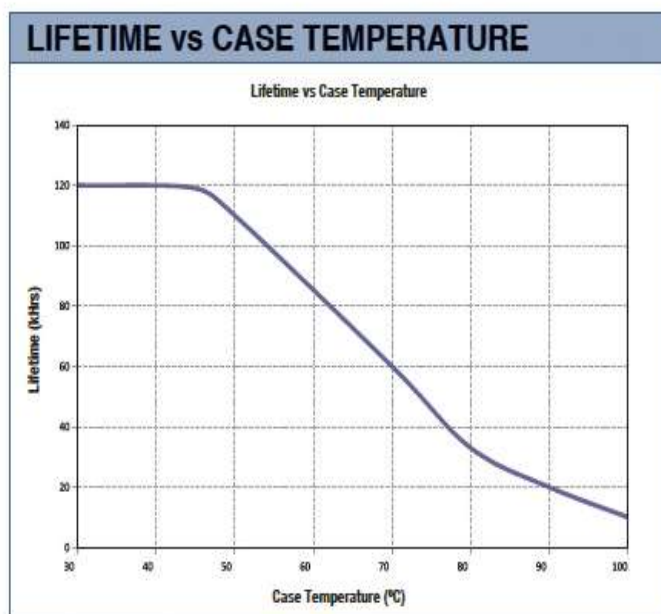
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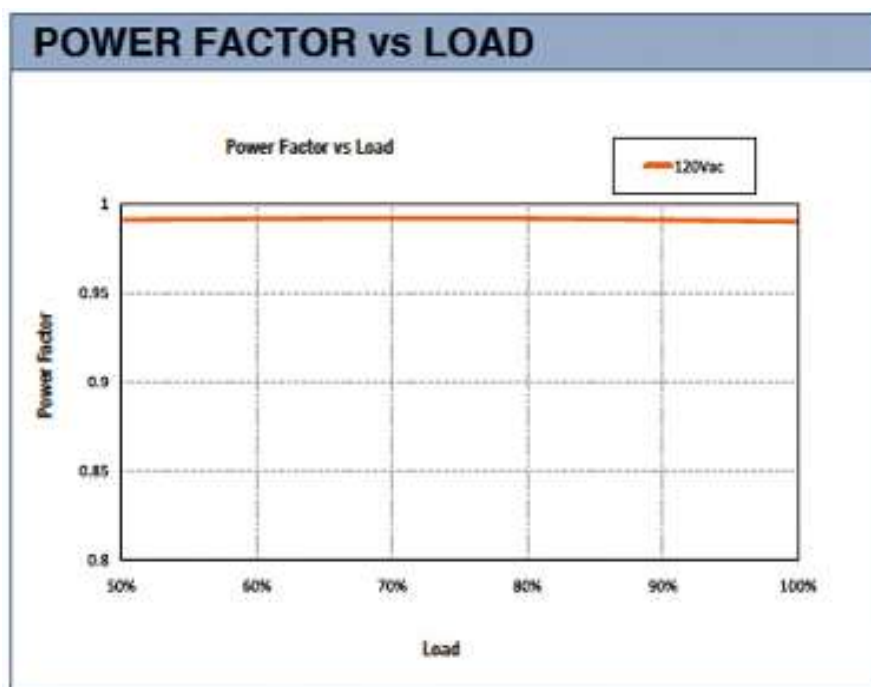
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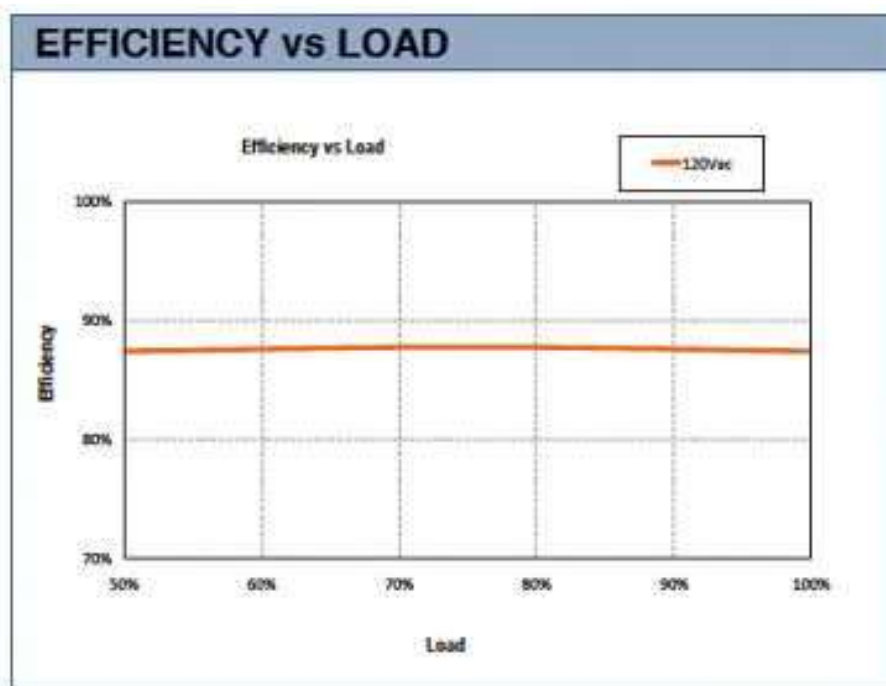
■ **Lifetime/Case Temp**



■ **Power Factor vs Load**

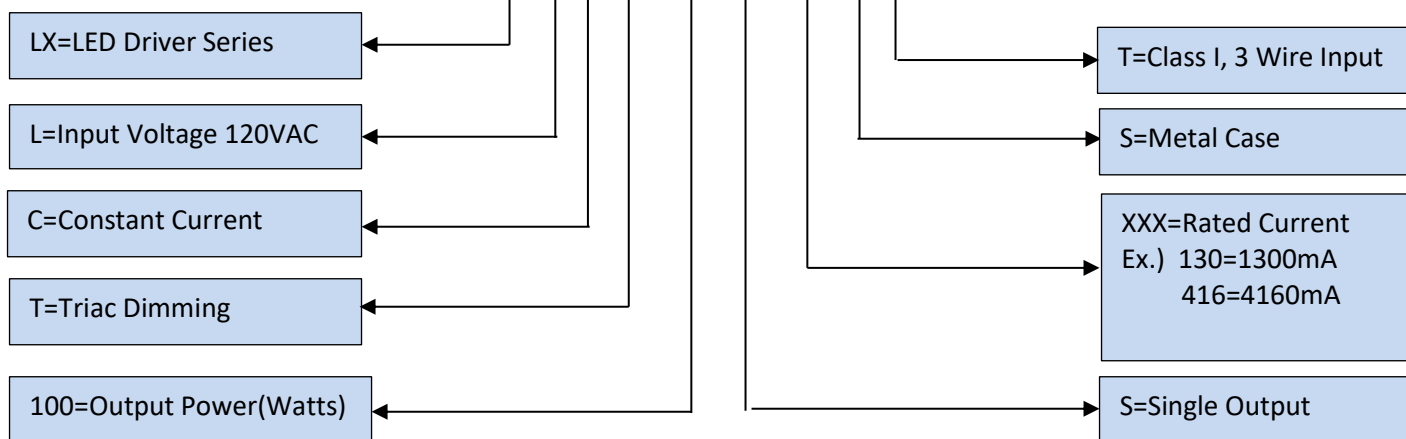


■ Efficiency vs Load



Part Number Scheme

LX L C T 100 S XXX S T



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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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