

■ Features

- Power Rating: 22W
- Input Voltage: 120Vac
- Constant current design
- Output currents (220mA-1200mA)
- Fixed output current
- Efficiency up to 82%
- Dimmable with Triac trailing edge dimming option
- UL Class 2 Output options available
- OVP, SCP, & Open Circuit Protection
- IP20
- 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
LXLCT022S022SS-20	120Vac \pm 10%	22W	33-100V	220mA	220mA	82%@120V	UL
LXLCT022S030SS-20	120Vac \pm 10%	22W	24-73V	300mA	300mA	82%@120V	UL
LXLCT022S035SS-20	120Vac \pm 10%	22W	21-63V	350mA	350mA	82%@120V	UL
LXLCT022S040SS-20*	120Vac \pm 10%	22W	18-54V	400mA	400mA	82%@120V	UL
LXLCT022S050SS-20*	120Vac \pm 10%	22W	10-40V	500mA	500mA	82%@120V	UL
LXLCT022S060SS-20*	120Vac \pm 10%	22W	10-36V	600mA	600mA	82%@120V	UL
LXLCT022S070SS-20*	120Vac \pm 10%	22W	10-32V	700mA	700mA	81%@120V	UL
LXLCT022S080SS-20*	120Vac \pm 10%	22W	10-28V	800mA	800mA	81%@120V	UL
LXLCT022S090SS-20*	120Vac \pm 10%	22W	6-24V	900mA	900mA	81%@120V	UL
LXLCT022S100SS-20*	120Vac \pm 10%	22W	6-22V	1000mA	1000mA	81%@120V	UL
LXLCT022S110SS-20*	120Vac \pm 10%	22W	6-20V	1100mA	1100mA	81%@120V	UL
LXLCT022S120SS-20*	120Vac \pm 10%	22W	6-19V	1200mA	1200mA	81%@120V	UL

*Class 2 output

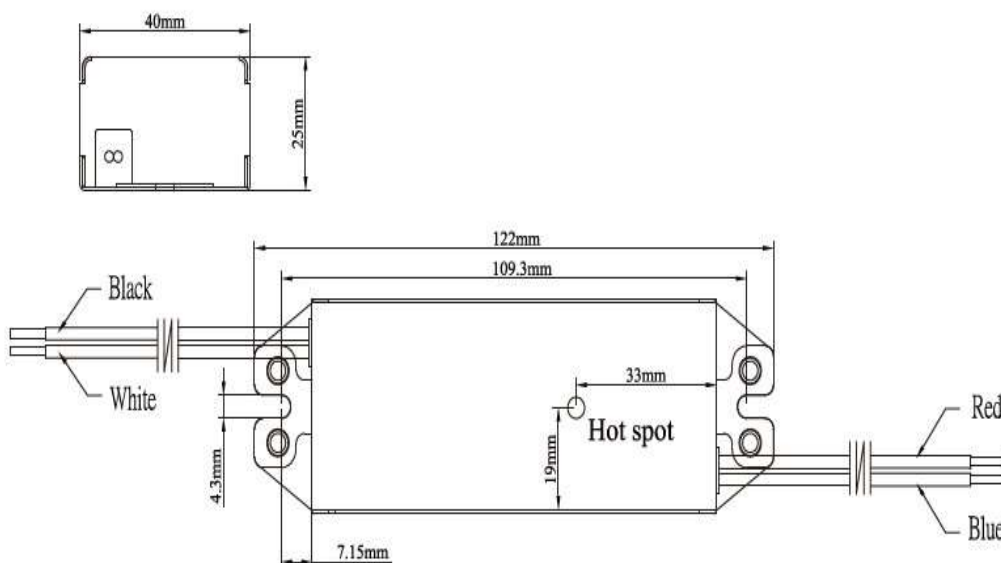
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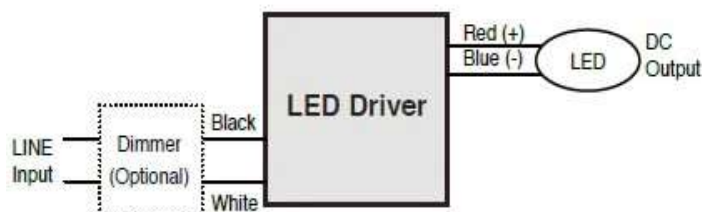
1 / 5

■ Wiring Diagram



Input Wire: 12" UL 1316 #18AWG (Black and White)

Output Wire: 12" UL 1316 #18AWG (Red and Blue)



■ 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	7A @120V
Max input current	0.25A @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

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2 / 5

■ Technical Data(cont.)

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)	< 10%
Withstand voltage	Input to output, 2,800Vdc, 2mA
Leakage current	Maximum 0.5mA
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	376,000 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)	4.80" (122mm)
Width (W)	1.50" (40mm)
Height (H)	0.96" (25mm)
Mounting (M)	4.29" (109mm)
Weight	0.19kg
Packing	0.22kg; 60pcs/carton; 2,700/pallet

■ Safety Compliance

UL	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

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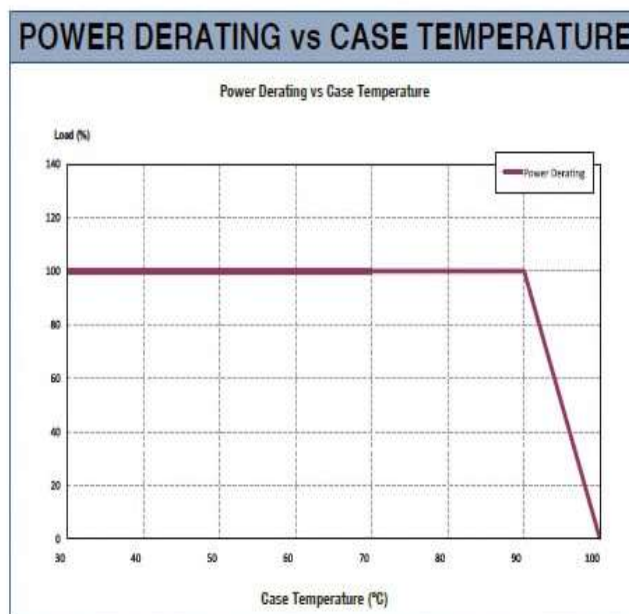
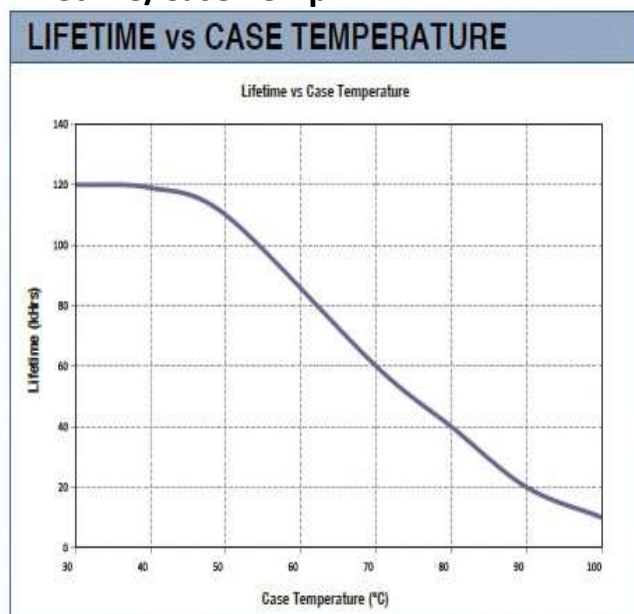
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3 / 5

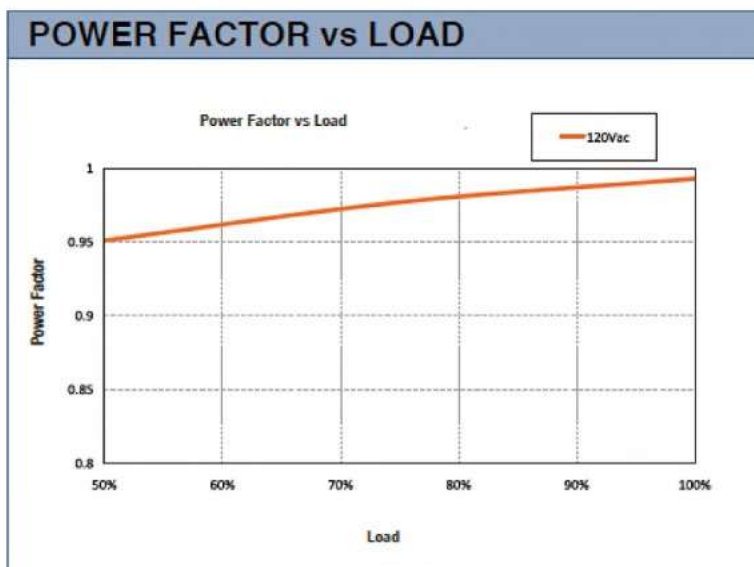
Disclaimer:

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/Case Temp**



■ **Power Factor vs Load**



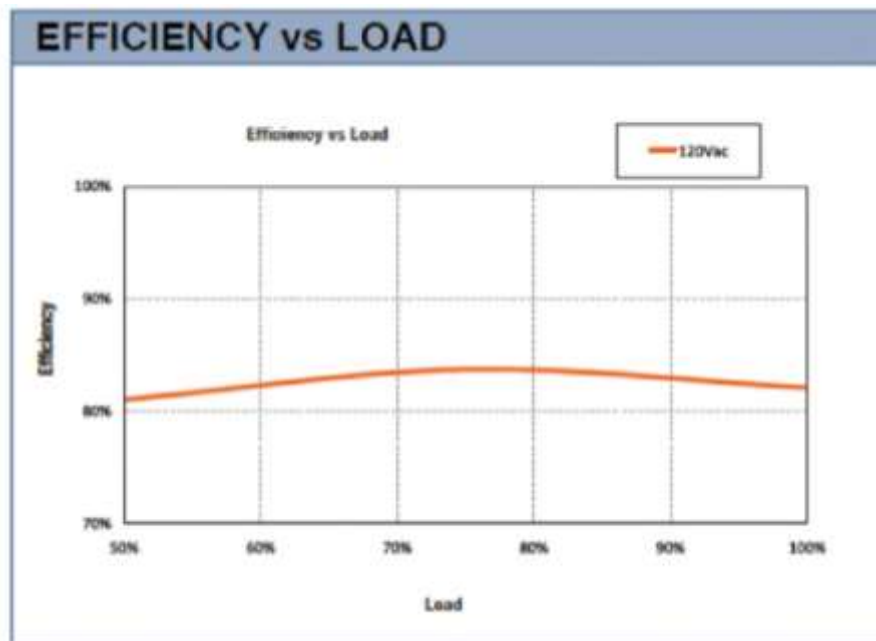
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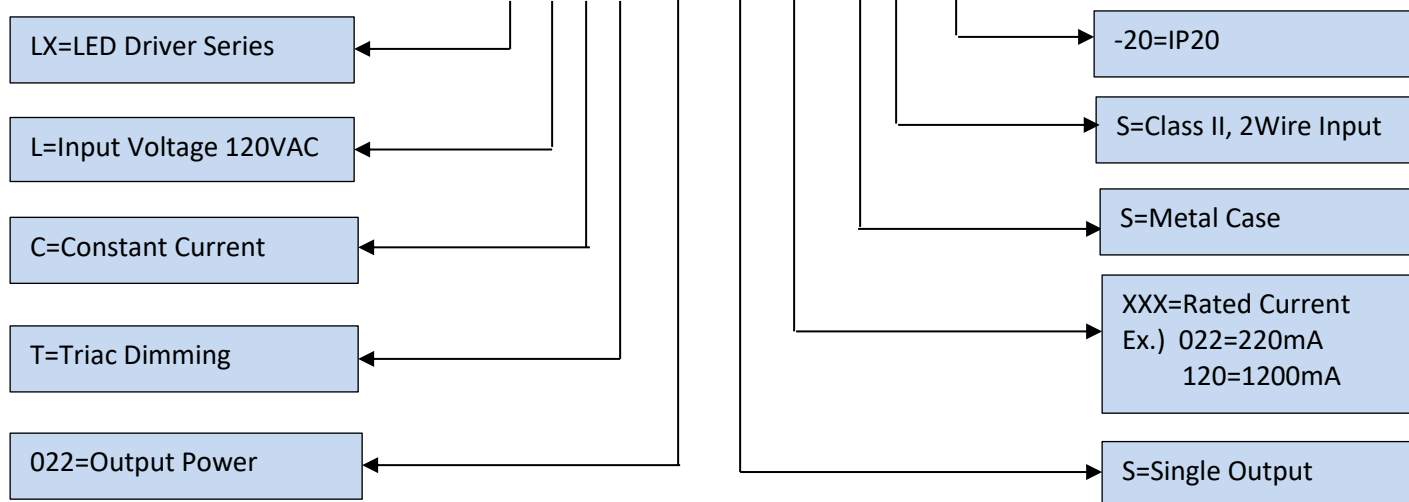
4 / 5

■ Efficiency vs Load



Part Number Scheme

LX L C T 022 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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5 / 5