

■ Features

- Power Rating: 12W
- Input Voltage: 120Vac
- Constant current design
- Output current (350mA-750mA)
- Fixed output current
- Efficiency up to 78%
- Dimming: Triac trailing edge dimming option
- UL Class 2
- OVP, SCP, & Over Circuit Protection
- IP20
- 5-year warranty



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

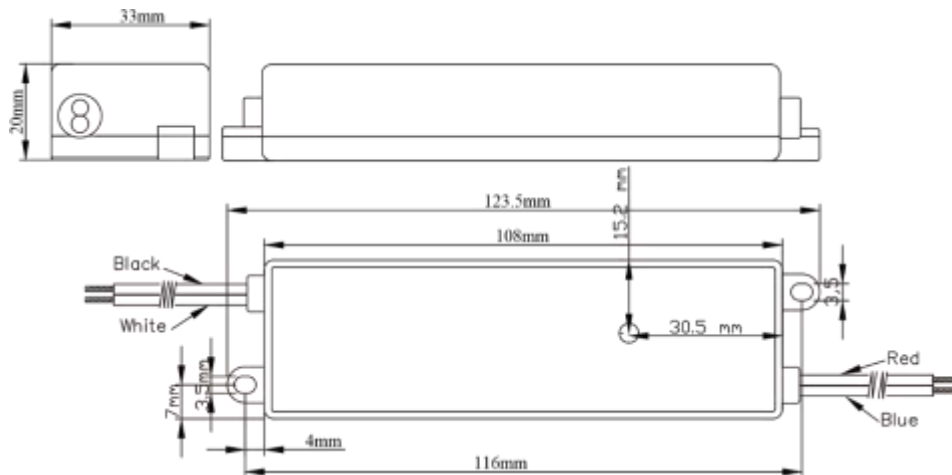
■ Application

- Indoor and 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
LXLCT012S035PS-20	120Vac $\pm$ 10%	12W	6-32V	350mA	350mA	70%	UL/cUL
LXLCT012S038PS-20	120Vac $\pm$ 10%	12W	5-32V	380mA	380mA	75%	UL/cUL
LXLCT012S050PS-20	120Vac $\pm$ 10%	12W	5-24V	500mA	500mA	75%	UL/cUL
LXLCT012S060PS-20	120Vac $\pm$ 10%	12W	5-20V	600mA	600mA	75%	UL/cUL
LXLCT012S070PS-20	120Vac $\pm$ 10%	12W	5-17V	700mA	700mA	75%	UL/cUL
LXLCT012S075PS-20	120Vac $\pm$ 10%	12W	5-16V	750mA	750mA	75%	UL/cUL

■ Wiring Diagram

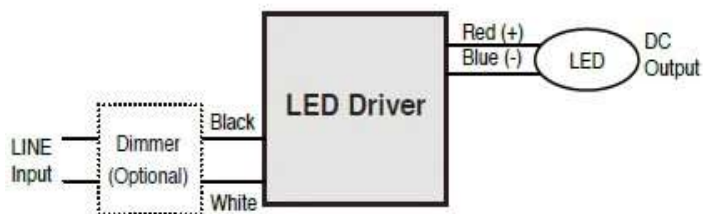


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■ Wiring Diagram(Cont.)

Wire Specifications	
Input Wire	12" UL 1316 #18AWG (Black and White)
Output Wire	12" UL 1316/1430 #22AWG (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
Inrush current	20A@120V
Max input current	0.15A @120V
THD	< 20%
Load Regulation	$\pm$ 2%
Line Regulation	$\pm$ 1%
Output 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
Withstand voltage	Input to output, 2,800Vdc, 2mA
Leakage current:	Maximum 0.5mA at 120Vac, 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 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%

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■ Technical Data(cont.)

MTBF	570,000 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)	4.86" (123.5mm)
Width (W)	1.3" (33mm)
Height (H)	0.79" (21mm)
Mounting (M)	4.57" (116mm)
Weight	0.1kg
Packing	0.1kg / unit; 40pcs / carton; 3,120pcs / pallet

■ Safety Compliance

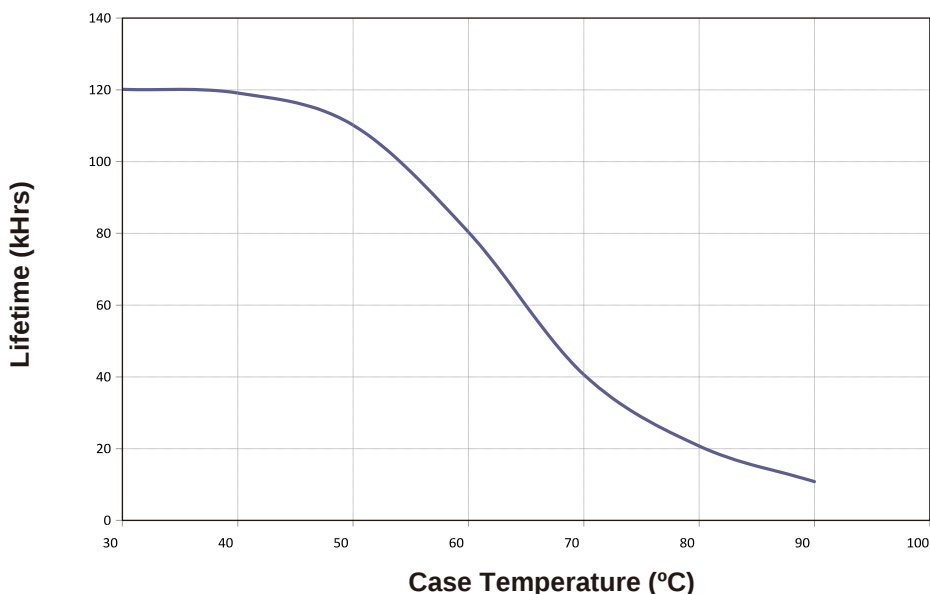
UL/cUL	UL 8750
CE	EN61347-1, EN61347-2-13
FCC, 47CFR Part 15	ANSI C63.4:2009 Class B (Consumer Limit)
EN61000-3-2	Harmonic Current Emissions Class C

Disclaimer:

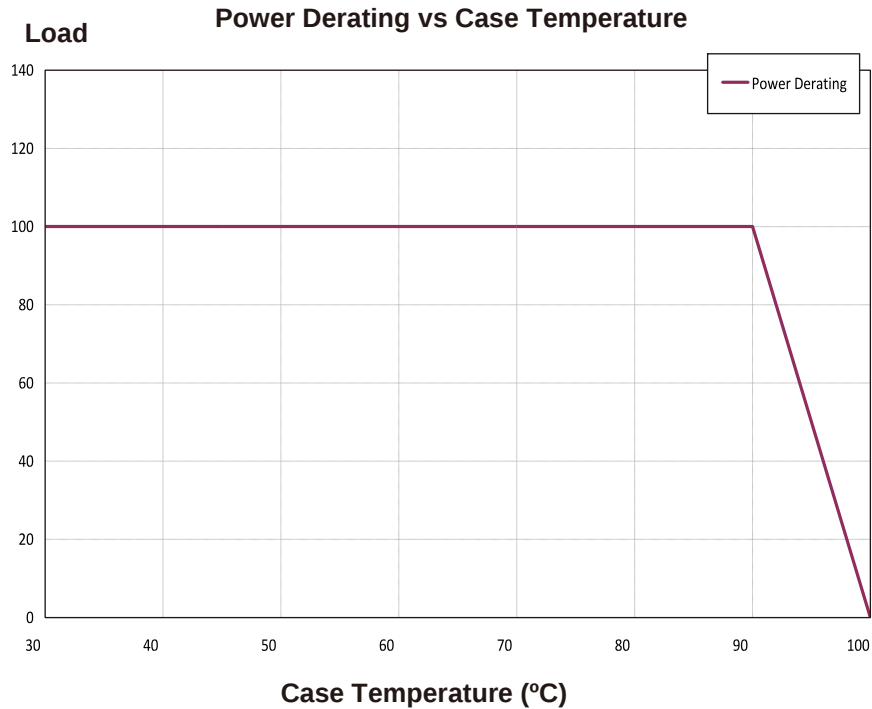
Autec Power Systems' (Autec) LED Drivers are Hi-Pot tested during the manufacturing process. Autec assumes no responsibility for secondary Hi-Pot testing at customer location or designated production line(s). Should customer require further Hi-Pot testing, at their own production line, following assembly 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.

■ Lifetime/Case Temp

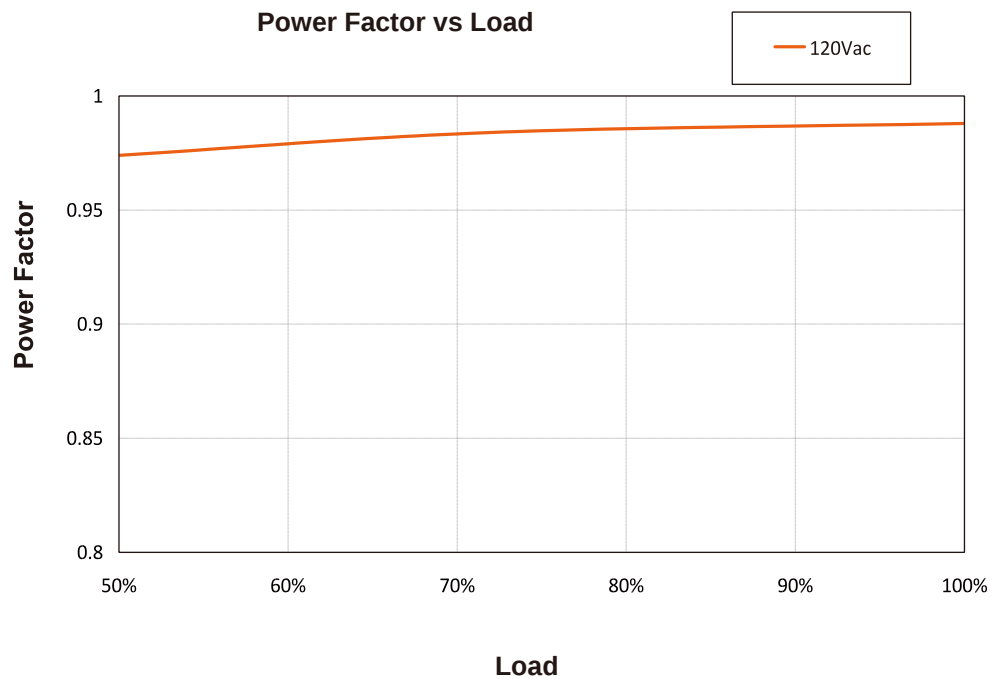
Lifetime vs Case Temperature



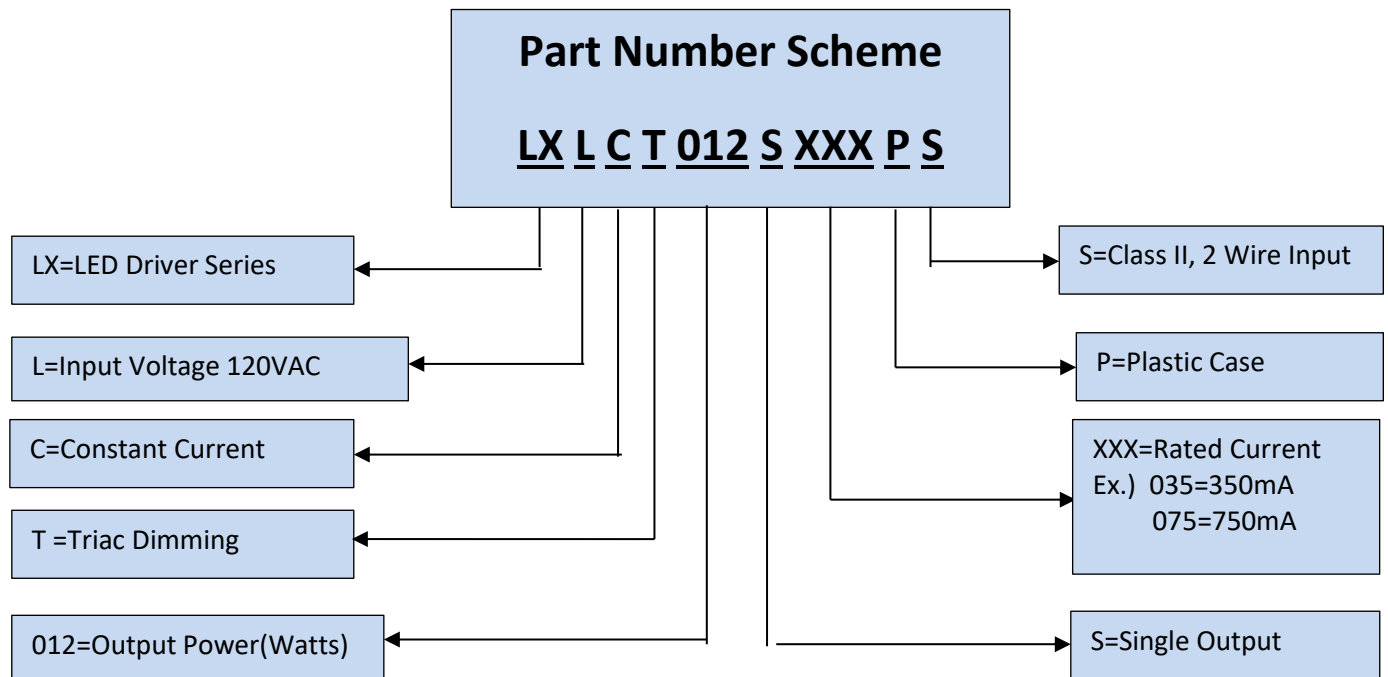
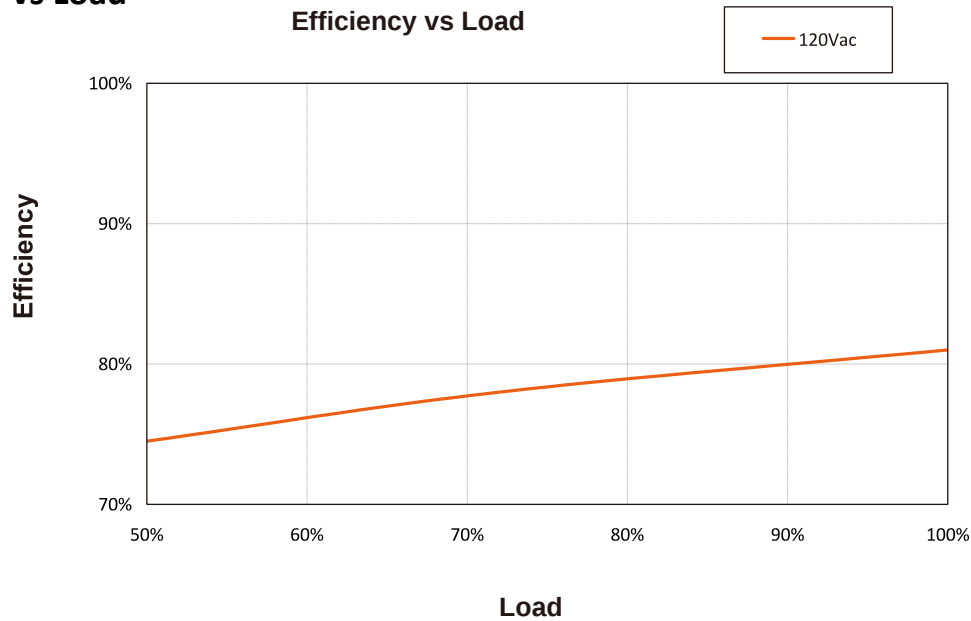
■ Power Derating vs Case Temperature



■ Power Factor vs Load



■ **Efficiency vs Load**



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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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