

### ■ Features

- Power Rating: 10W
- Input Voltage: 120Vac
- Constant current design
- Output current (200mA-700mA)
- Fixed output current
- Efficiency up to 75%
- Dimming: Triac trailing edge dimming option
- UL Class 2, Class P, Type HL
- OVP, SCP, & Open Circuit Protection
- IP20
- 5-year warranty



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

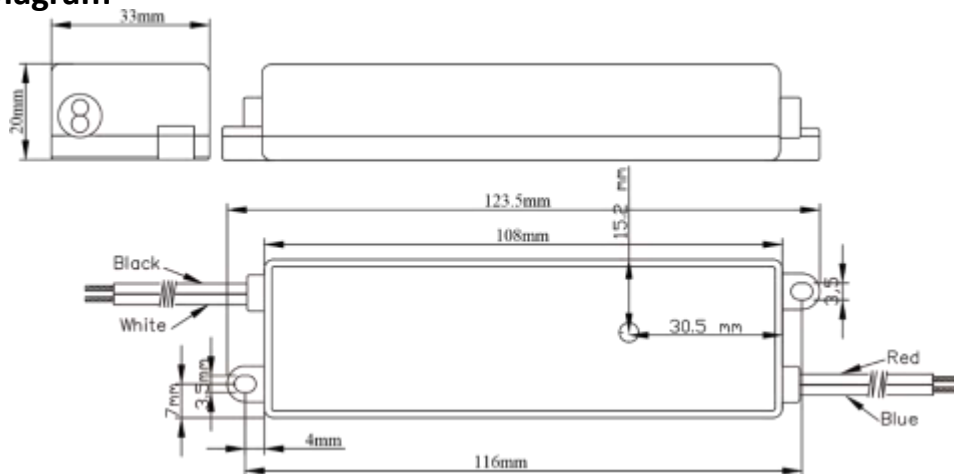
### ■ Application

- Indoor and outdoor lights

### ■ 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
LXLCT010S020PS-20	120Vac $\pm$ 10%	7W	10-35V	200mA	200mA	70%	UL/cUL
LXLCT010S022PS-20	120Vac $\pm$ 10%	8W	10-36V	220mA	220mA	74%	UL/cUL
LXLCT010S030PS-20	120Vac $\pm$ 10%	10W	10-33V	300mA	300mA	75%	UL/cUL
LXLCT010S040PS-20	120Vac $\pm$ 10%	10W	10-25V	400mA	400mA	75%	UL/cUL
LXLCT010S050PS-20	120Vac $\pm$ 10%	10W	10-20V	500mA	500mA	75%	UL/cUL
LXLCT010S060PS-20	120Vac $\pm$ 10%	10W	8-17V	600mA	600mA	75%	UL/cUL
LXLCT010S070PS-20	120Vac $\pm$ 10%	10W	7-14V	700mA	700mA	75%	UL/cUL

### ■ Wiring Diagram

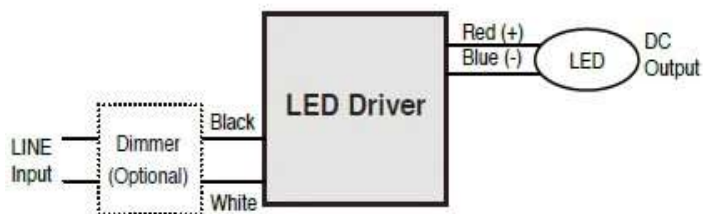


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June 14, 2019

## ■ 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	50/60Hz
Power factor	> 0.9 under 120Vac input with 80-100% load condition
Inrush current	10A@120V
Max input current	0.1A @120V
THD	< 20%
Load Regulation	$\pm$ 2%
Line Regulation	$\pm$ 1%
Output Tolerance	$\pm$ 5% at full load condition
Turn-on Delay Time	< 0.5s 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 exceed specified output voltage and will auto recover after the fault mode is removed. Over current protection: Hiccup mode. Protection will trigger when load current exceed 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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June 14, 2019

2 / 5

### ■ 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

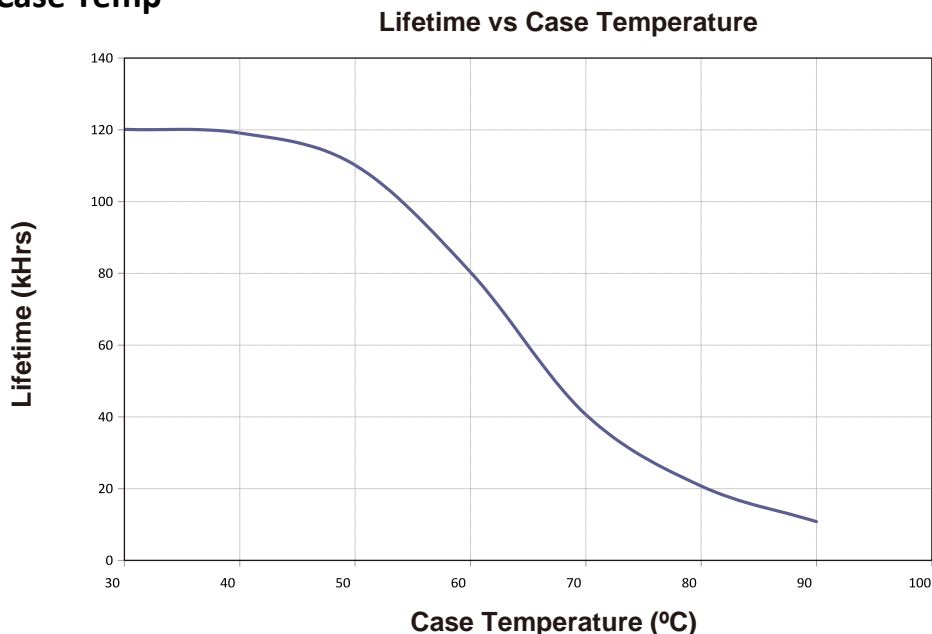
### ■ Safety Compliance

UL/cUL	UL 8750, 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/Case Temp



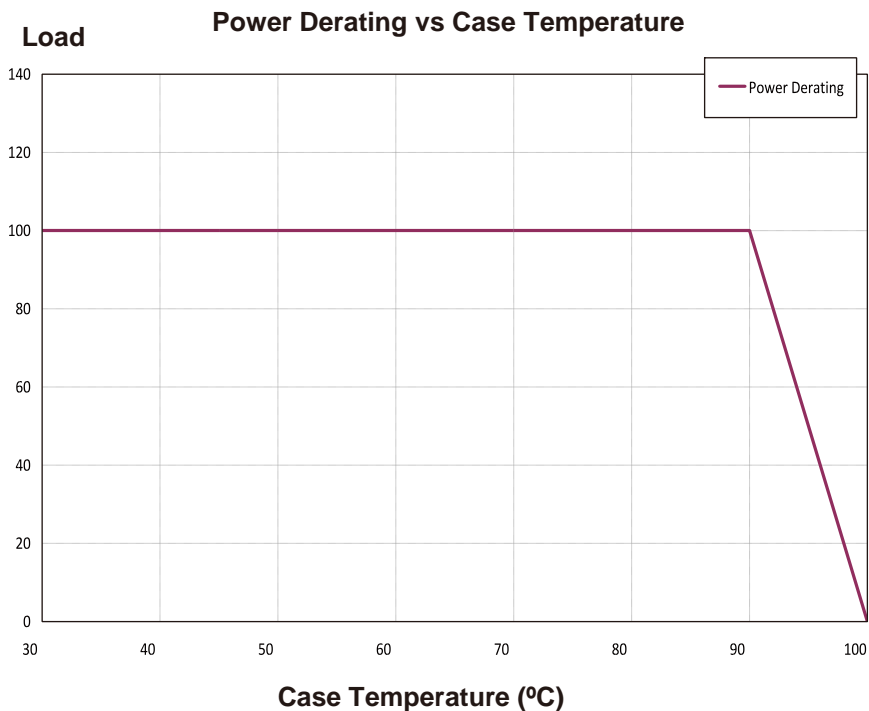
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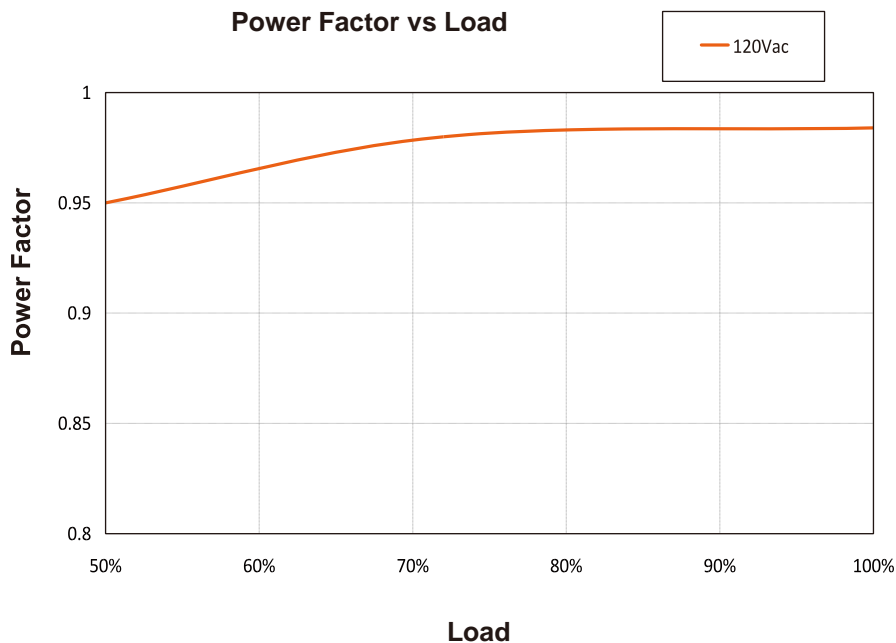
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3 / 5

## ■ Power Derating vs Case Temperature



## ■ Power Factor vs Load



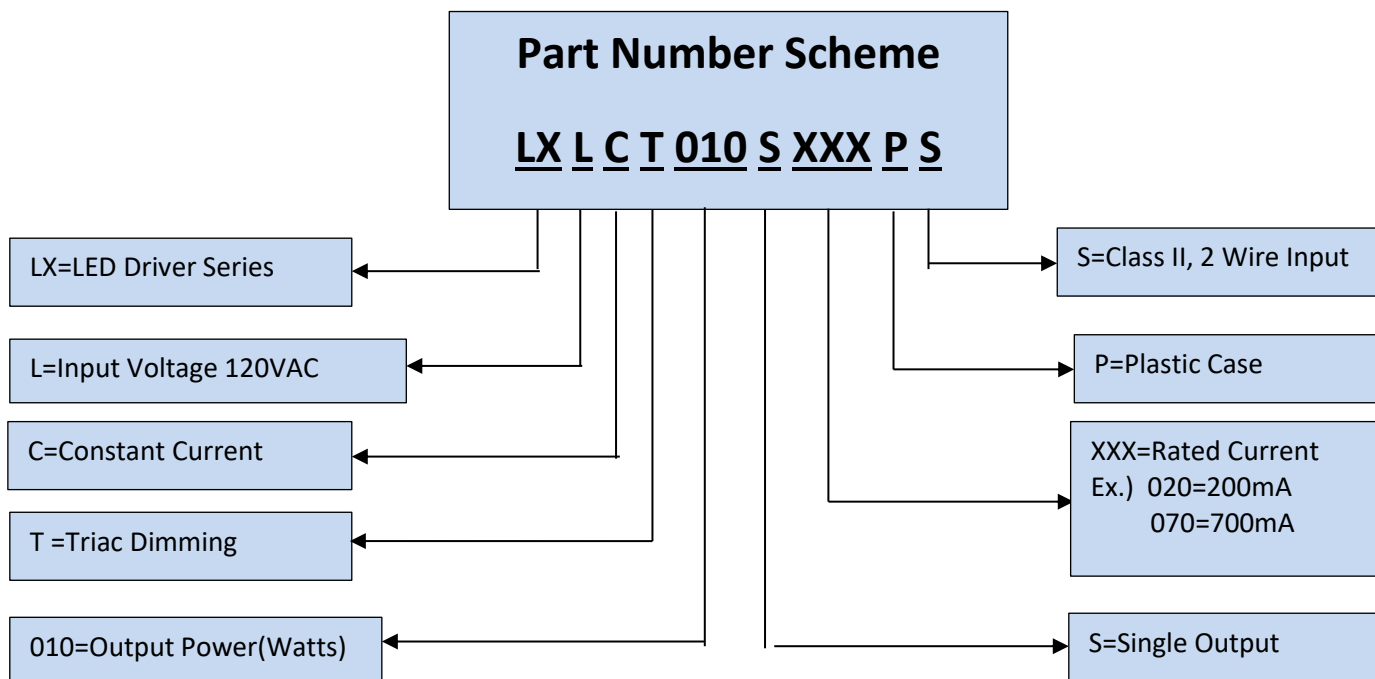
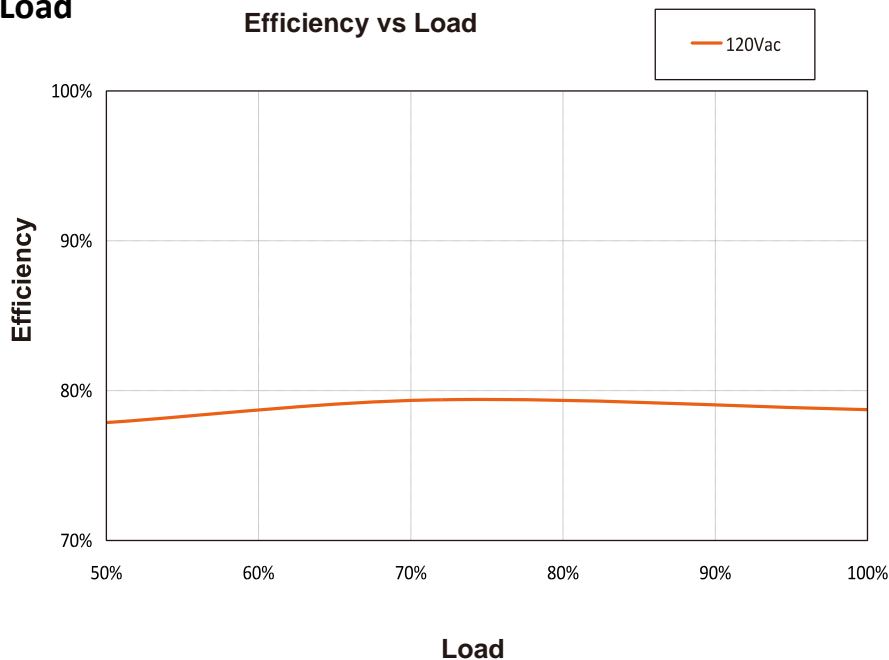
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June 14, 2019

4 / 5

■ **Efficiency vs Load**



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5 / 5