

■ Features

- Power Rating: 10W
- Input Voltage: 120Vac $\pm$ 10%
- Constant voltage design
- Output current (0-830mA)
- Efficiency to 83%
- UL, Type HL, Type TL, Class 2
- OCP, OCP, and SCP
- IP20
- 5-year warranty
- Sign Components Manual (SAM)

RoHS
Compliant


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

■ Application

- Indoor lights
- Hazardous 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
LXWV-010S012PS-20	120Vac $\pm$ 10%	10W	12V	0mA	830mA	81%@120V	UL/cUL
LXWV-010S024PS-20	120Vac $\pm$ 10%	10W	24V	0mA	420mA	83%@120V	UL/cUL

■ Technical Data

Input voltage range	120Vac $\pm$ 10%
Frequency	50/60Hz
Power factor	> 0.5 under 120Vac input with 80~100% load condition (for all output voltage)
Inrush current	7A @120V
Max input current	0.19A @ 120V
THD	< 200% under 120Vac input with 80~100% load condition (for all output voltage)
Load Regulation	$\pm$ 2%
Line Regulation	$\pm$ 1%
Voltage 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

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■ Technical Data(cont.)

Ripple & Noise (pk-pk)	< 10%
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%
MTBF	583,000 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)	2.68" (68mm)
Width (W)	1.30" (33mm)
Height (H)	0.79" (20mm)
Mounting (M)	- " (-mm)
Packing	0.1kg /unit; 100pcs/carton; 5,200pcs /pallet

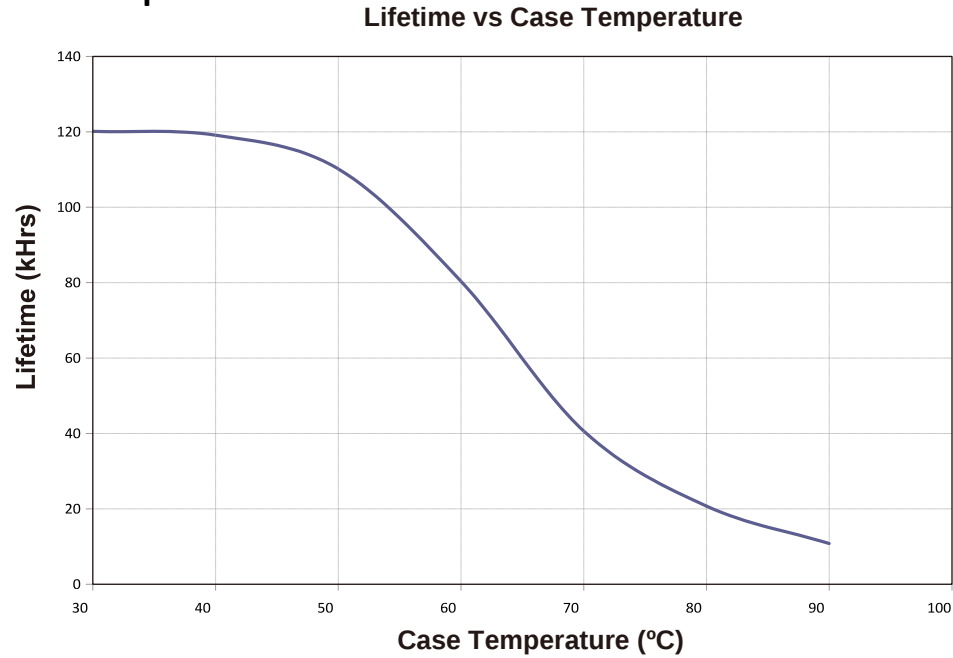
■ Safety Compliance

UL/cUL	UL 8750, UL879
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

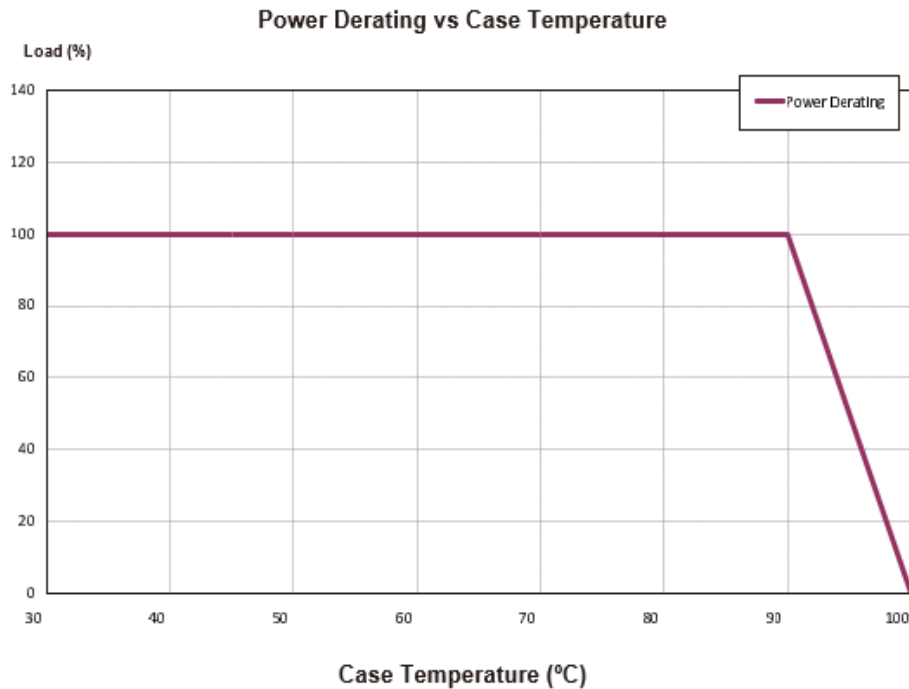
Disclaimer:

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.

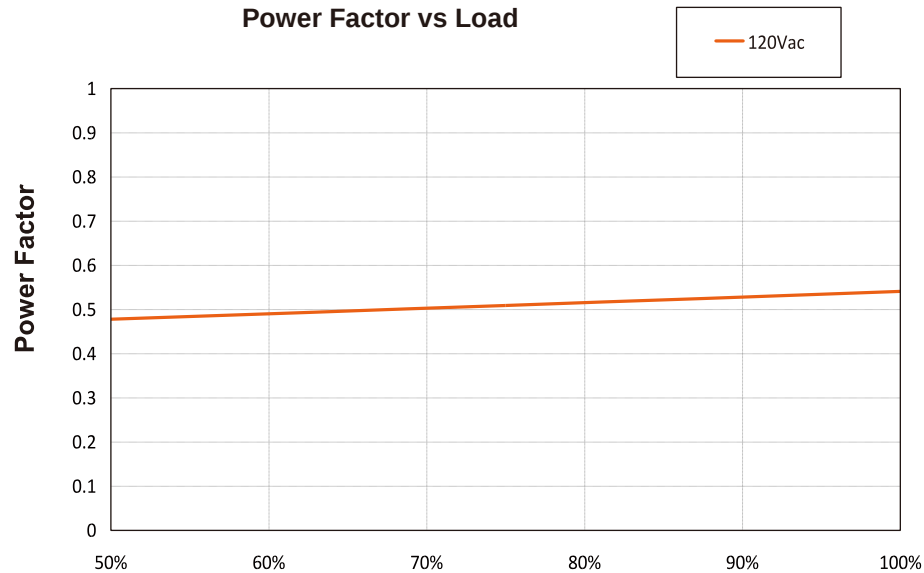
■ Lifetime vs Case Temperature



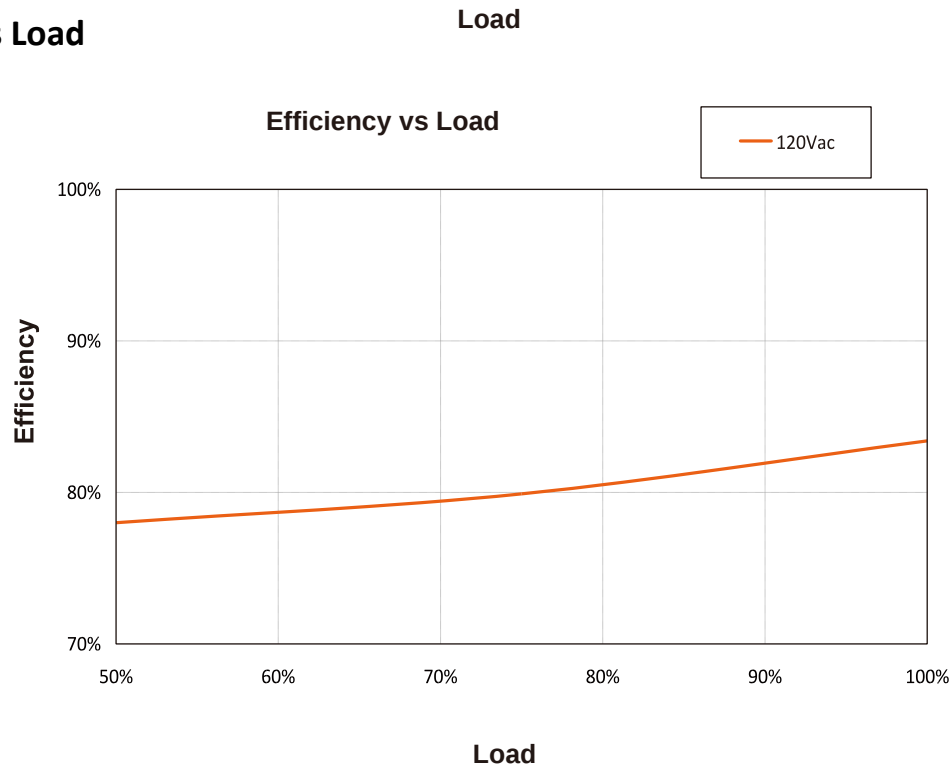
■ Power Derating vs Case Temperature



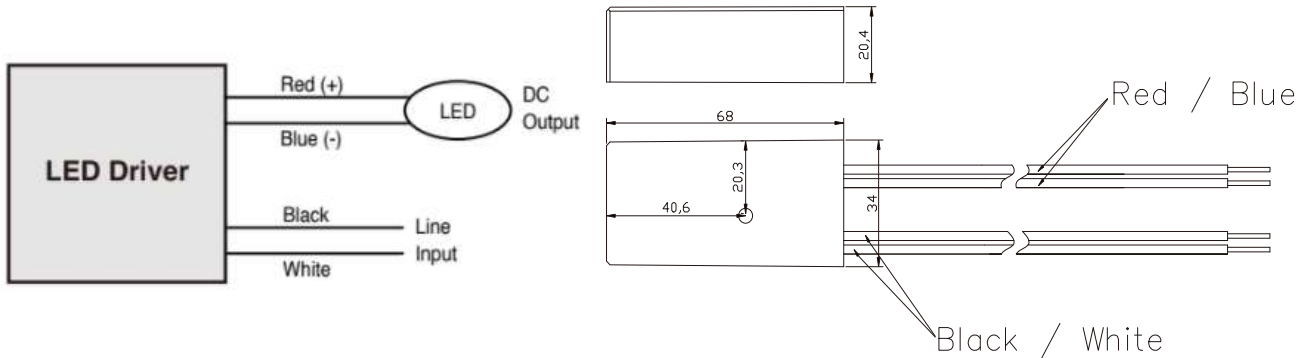
■ **Power Factor vs Load**



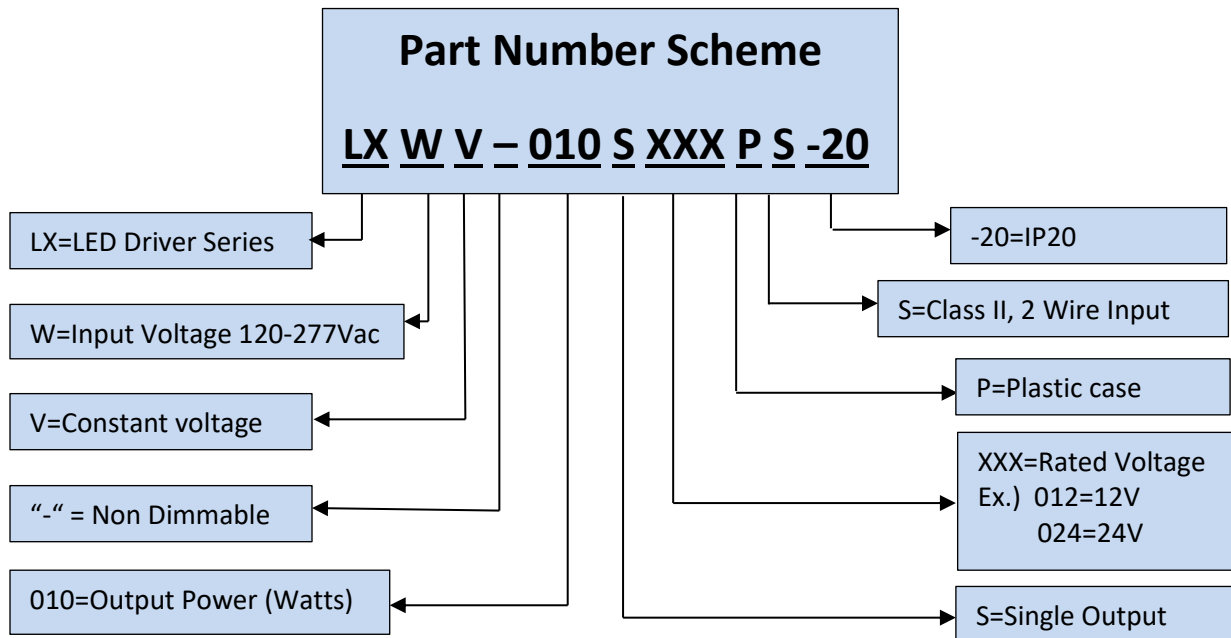
■ **Efficiency vs Load**



■ **Wiring Diagram**



Wire specifications	
Input	12", UL 1316 #18AWG (White, Black)
Output	12", UL 1316#18AWG (Red and Blue)



***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.**