

■ Features

- Power Rating: 22W
- Input Voltage: 120-277Vac $\pm$ 10%
- Constant current design
- Fixed output current(350mA-1100mA)
- Efficiency to 84%
- Dimmable with 0-10V dimmer
- UL Class 2, Class P, Type HL
- OVP, OCP, SCP
- IP20
- 5-year warranty
- Metal case



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

■ Application

- Indoor 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
LXWCD022S035SS-20*	120~277Vac $\pm$ 10%	22W	32-63V	350mA	350mA	84%@120V 83%@240V 83%@277V	-/-
LXWCD022S040SS-20*	120~277Vac $\pm$ 10%	22W	28-55V	400mA	400mA	84%@120V 83%@240V 83%@277V	-/-
LXWCD022S050SS-20*	120~277Vac $\pm$ 10%	22W	22-44V	500mA	500mA	84%@120V 83%@240V 83%@277V	UL/-
LXWCD022S060SS-20*	120~277Vac $\pm$ 10%	22W	18-36V	600mA	600mA	84%@120V 83%@240V 83%@277V	UL/cUL
LXWCD022S070SS-20*	120~277Vac $\pm$ 10%	22W	16-32V	700mA	700Ma	84%@120V 83%@240V 83%@277V	UL/cUL
LXWCD022S080SS-20*	120~277Vac $\pm$ 10%	22W	14-28V	800mA	800mA	84%@120V 83%@240V 83%@277V	UL/cUL
LXWCD022S090SS-20*	120~277Vac $\pm$ 10%	22W	12-24V	900mA	900mA	84%@120V 83%@240V 83%@277V	UL/cUL
LXWCD022S100SS-20*	120~277Vac $\pm$ 10%	22W	12-22V	1000mA	1000mA	84%@120V 83%@240V 83%@277V	UL/cUL
LXWCD022S110SS-20*	120~277Vac $\pm$ 10%	22W	12-20V	1100mA	1100mA	84%@120V 83%@240V 83%@277V	UL/cUL
LXWCD022S140SS-20*	120~277Vac $\pm$ 10%	22W	12-22V	1400mA	1400mA	TBD	UL/cUL

*=Class P

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■ Technical Data

Input voltage range	120~277Vac $\pm$ 10%
Frequency	50/60Hz
Power factor	> 0.9 under 120-277Vac input with 80-100% load condition (for all output currents)
Inrush current	30A @277V
Max input current	0.25A @120V, 0.14A@240V and 0.12A @277V
THD	<20% under 120-277Vac input with 80-100% load condition (for all output currents)
Load regulation	$\pm$ 2%
Line regulation	$\pm$ 2%
Output tolerance	$\pm$ 5% at full load condition
Turn-on delay time	<0.5s at full load condition
Overshoot	<10% at full load condtion
No load power consumption	<2W
Ripple & noise (pk-pk)	<10%
Withstand voltage	Input to output, 2,800Vdc, 60Hz input
Leakage current	Maximum 0.5mA at 277Vac, 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. Over temperature protection: Protection will trigger when driver overheat and auto-recovery when cooled down.
Operating temperature	-40 to 60°C
Storage temperature	-40 to 85°C
Humidity	5% to 95%
MTBF	510,000 hours at 40°C ambient (~70°C case temp)
Life rating	85,000 hours at 120Vac input, 100% load and 60°C case temperature
Maximum case Temperature	90°C
Length (L)	6.46" (164mm)
Width (W)	1.37" (34.80mm)
Height (H)	1.00" (25.4mm)

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■ Technical Data(cont.)

Mounting (M)	6.00" (152.4mm)
Packing	0.23kg / unit; 50pcs / carton; 2,000pcs / pallet

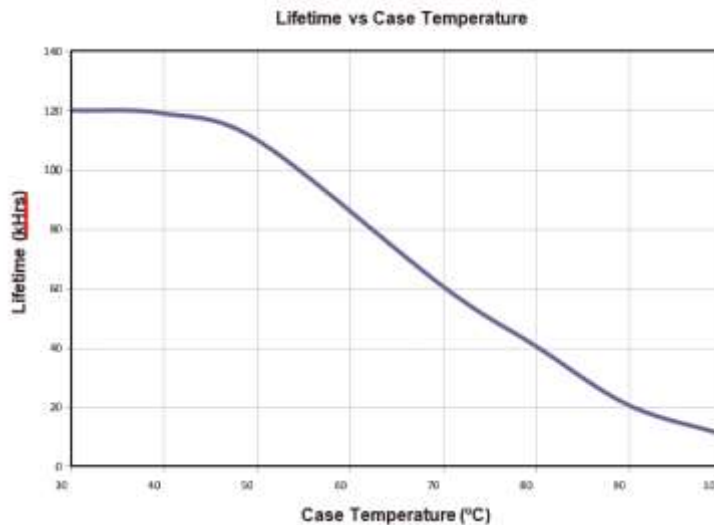
■ Safety Compliance

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 vs Case Temperature



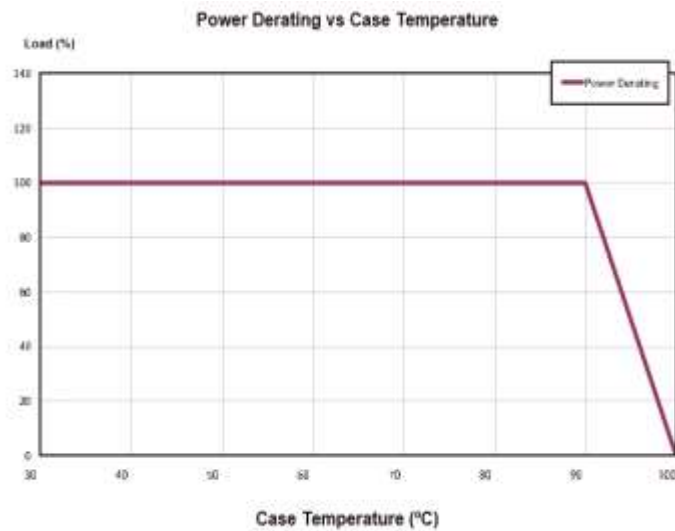
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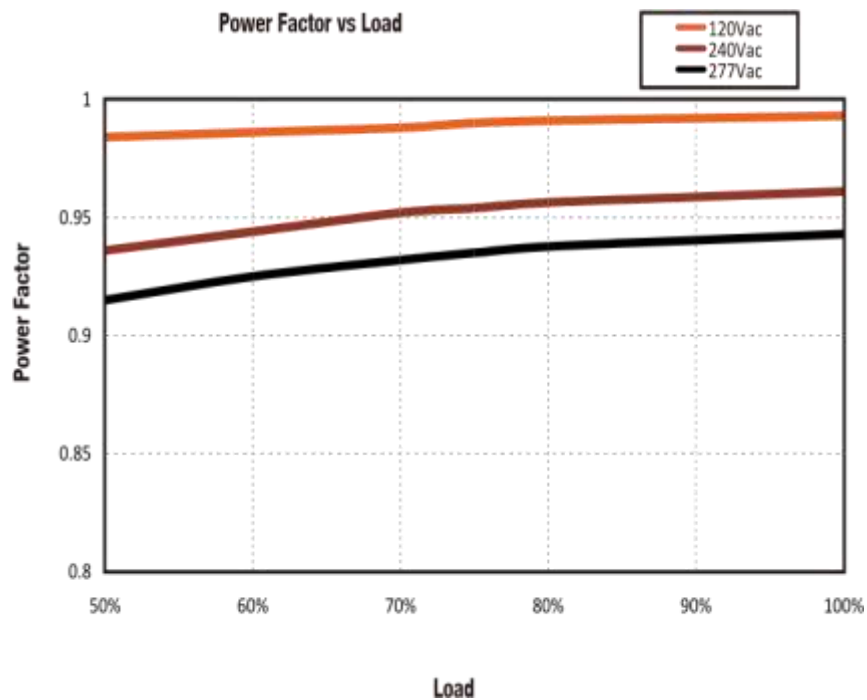
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■ Power Derating vs Case Temperature



■ Power Factor vs Load



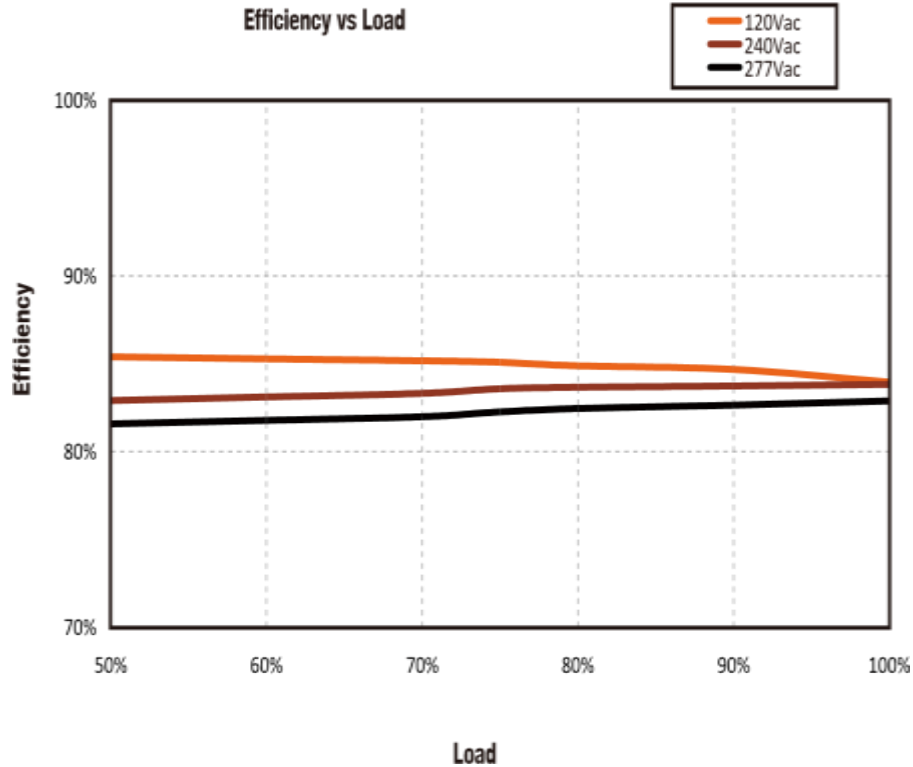
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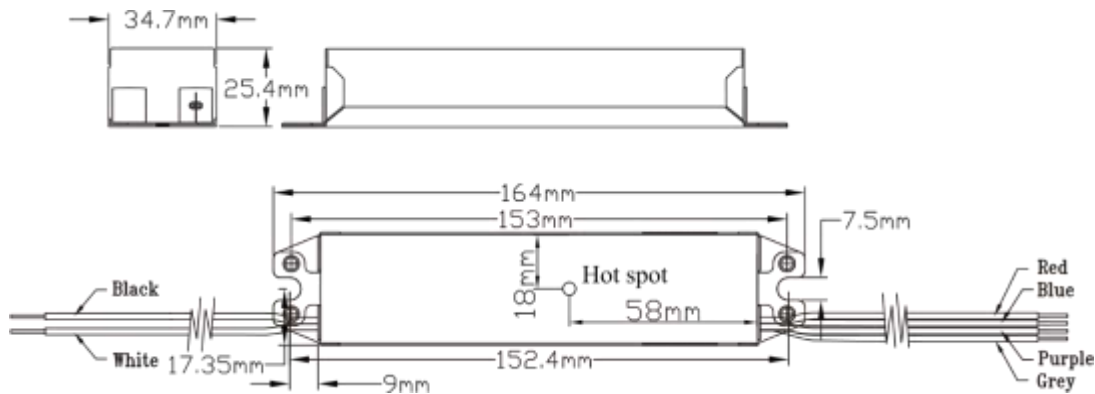
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■ **Efficiency vs Load**



■ **Wiring Diagram**

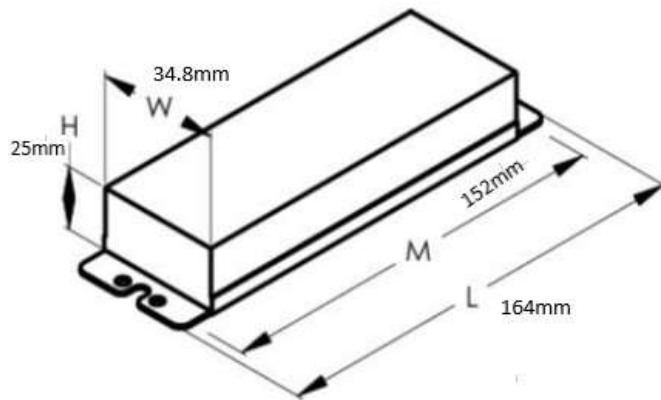


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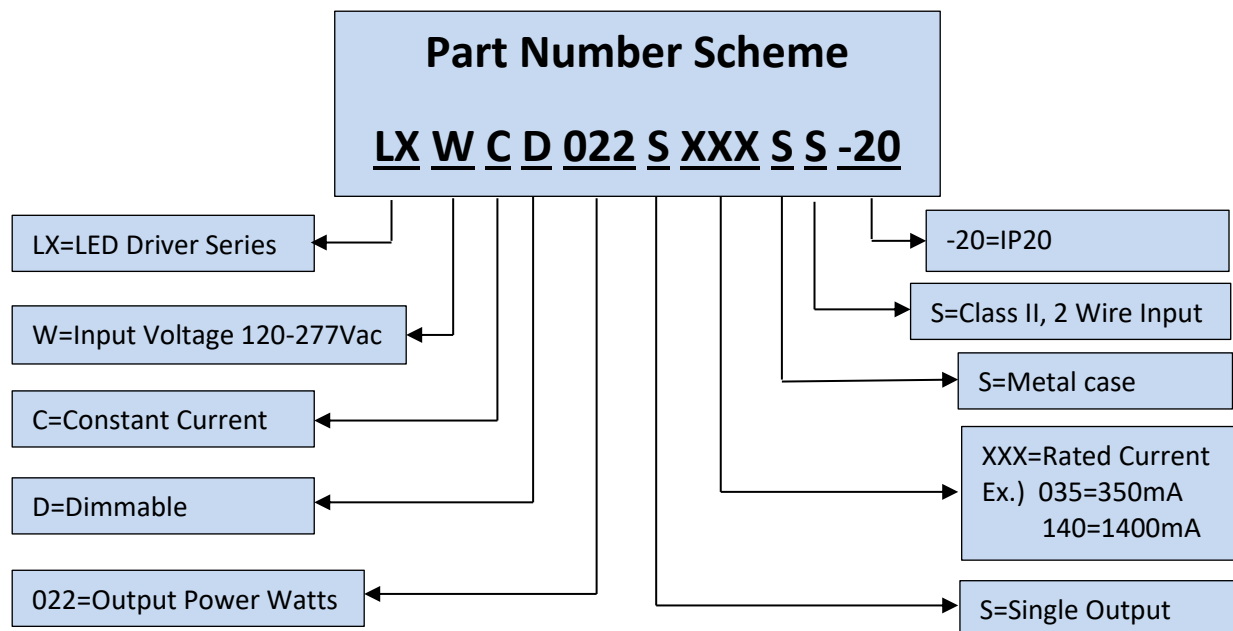
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Wire Specifications	
Input	12", UL 1316 #18AWG (Black and White)
Output	UL 1569 #18AWG (with Non-Class 2 output)
Output	12", UL 1316/1430 #22AWG (with Class 2 output)
Dimming	Dimming: 12" UL 1316/1430 #22AWG (Purple and Grey)



***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.**

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