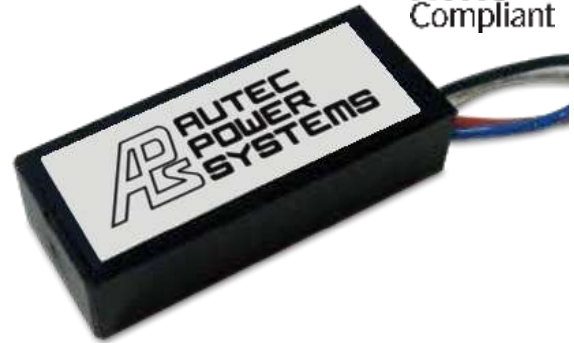


■ **Features**

- Power Rating: 12W
- Input Voltage: 120-277Vac ± 10%
- Constant current design
- Fixed output current(220mA-700mA)
- Efficiency to 81%
- Dimmable with 0-10V dimmer
- UL Class 2, Type HL
- OVP, OCP, SCP
- IP20
- 5-year warranty



\*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
LXWCD012S022PS-20	120~277Vac ± 10%	12W	27-55V	220mA	220mA	78% @120V 77% @240V 77% @277V	UL/-
LXWCD012S025PS-20	120~277Vac ± 10%	12W	24-48V	250mA	250mA	78% @120V 77% @240V 77% @277V	UL/-
LXWCD012S030PS-20	120~277Vac ± 10%	12W	20-40V	300mA	300mA	79% @120V 79% @240V 78% @277V	UL/cUL
LXWCD012S035PS-20	120~277Vac ± 10%	12W	17-34V	350mA	350mA	79% @120V 79% @240V 78% @277V	UL/cUL
LXWCD012S040PS-20	120~277Vac ± 10%	12W	15-30V	400mA	400mA	79% @120V 79% @240V 78% @277V	UL/cUL
LXWCD012S050PS-20	120~277Vac ± 10%	12W	12-24V	500mA	500mA	80% @120V 80% @240V 79% @277V	UL/cUL
LXWCD012S060PS-20	120~277Vac ± 10%	12W	10-20V	600mA	600mA	80% @120V 80% @240V 79% @277V	UL/cUL
LXWCD012S070PS-20	120~277Vac ± 10%	12W	9-17V	700mA	700mA	81% @120V 80% @240V 79% @277V	UL/cUL

**Technical Sales / Customer Service:** +1-818-338-7788 • Email: [sales@autec.com](mailto:sales@autec.com)  
31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • [www.autec.com](http://www.autec.com)

June 13, 2019

**■ 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 voltage)
Inrush current	20A @277V
Max input current	0.13A @120V, 0.08A @240V and 0.07A @277V
THD	< 20% under 120~277Vac 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
Turn-on Delay Time	< 0.5s 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 at 277Vac, 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%
MTBF	343,200 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)	3.15" (80mm)
Width (W)	1.30" (33mm)
Height (H)	0.79" (20mm)
Mounting (M)	-
Packing	0.1kg/unit; 160pcs/carton; 5,600pcs/pallet

**Technical Sales / Customer Service:** +1-818-338-7788 • Email: [sales@autec.com](mailto:sales@autec.com)

 31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • [www.autec.com](http://www.autec.com)

June 13, 2019

2 / 6

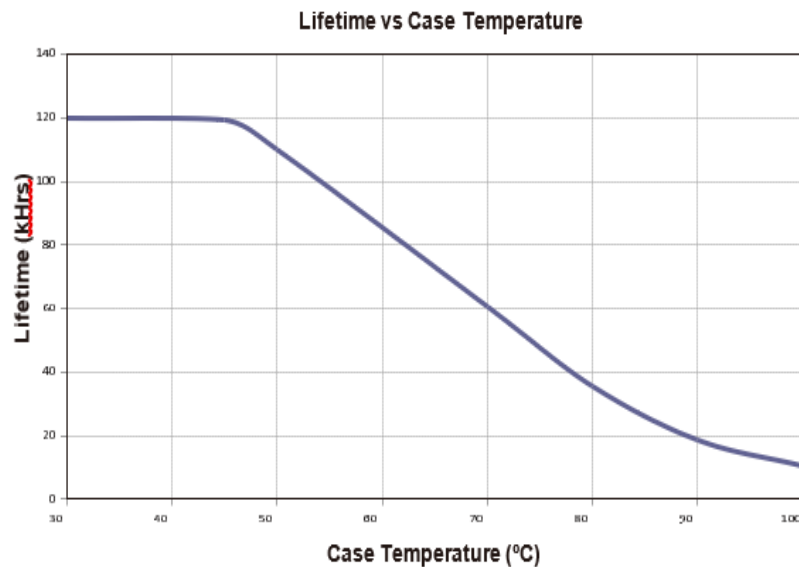
■ **Safety Compliance**

UL/cUL	UL 8750, 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**



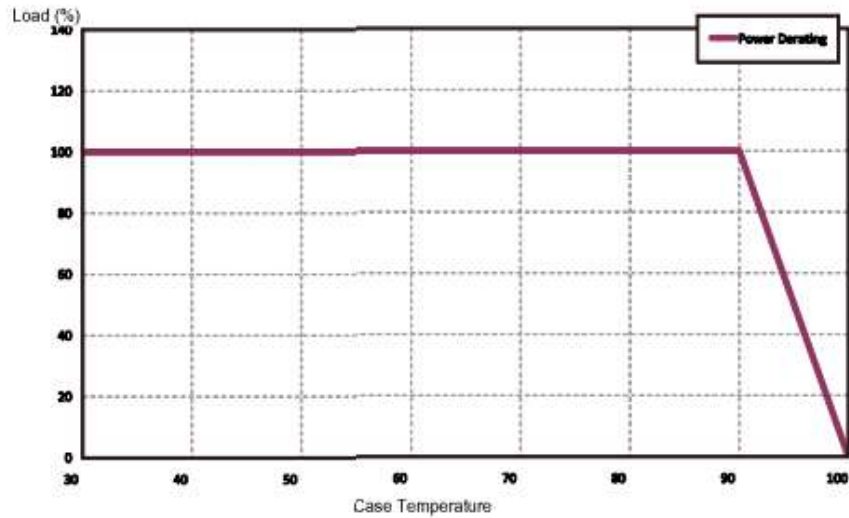
**Technical Sales / Customer Service:** +1-818-338-7788 • Email: [sales@autec.com](mailto:sales@autec.com)

31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • [www.autec.com](http://www.autec.com)

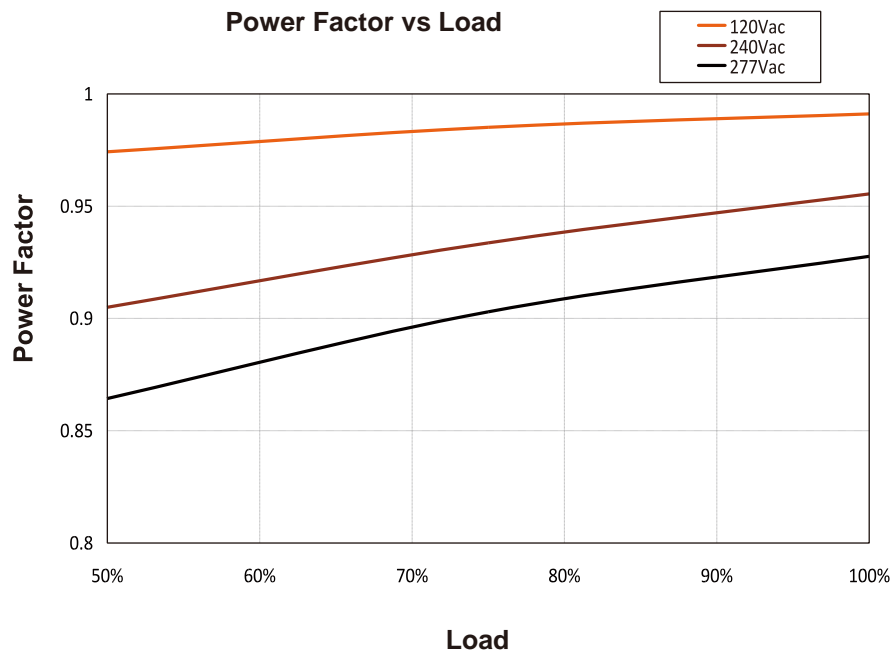
June 13, 2019

3 / 6

■ **Power Derating vs Case Temperature**



■ **Power Factor vs Load LXWCD012S070PS-20**



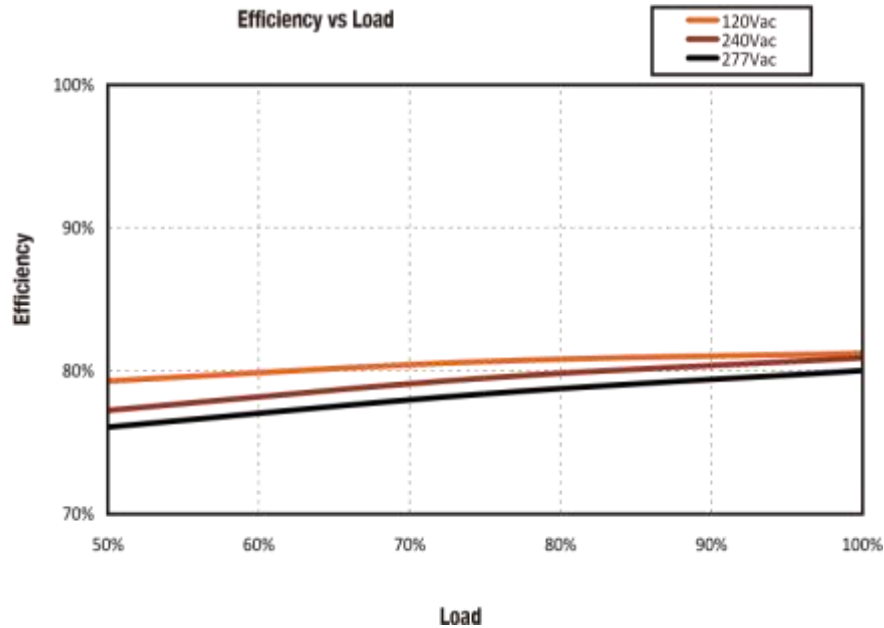
Technical Sales / Customer Service: +1-818-338-7788 • Email: [sales@autec.com](mailto:sales@autec.com)

31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • [www.autec.com](http://www.autec.com)

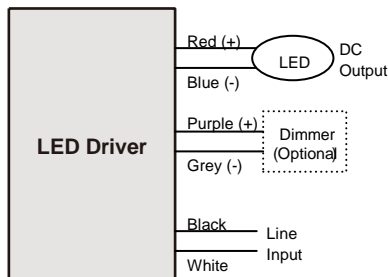
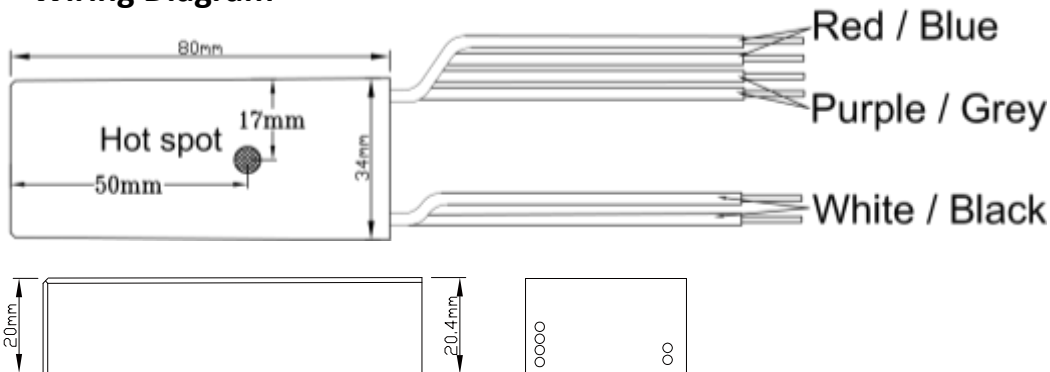
June 13, 2019

4 / 6

■ Efficiency vs Load LXWCD012S070PS-20



■ Wiring Diagram



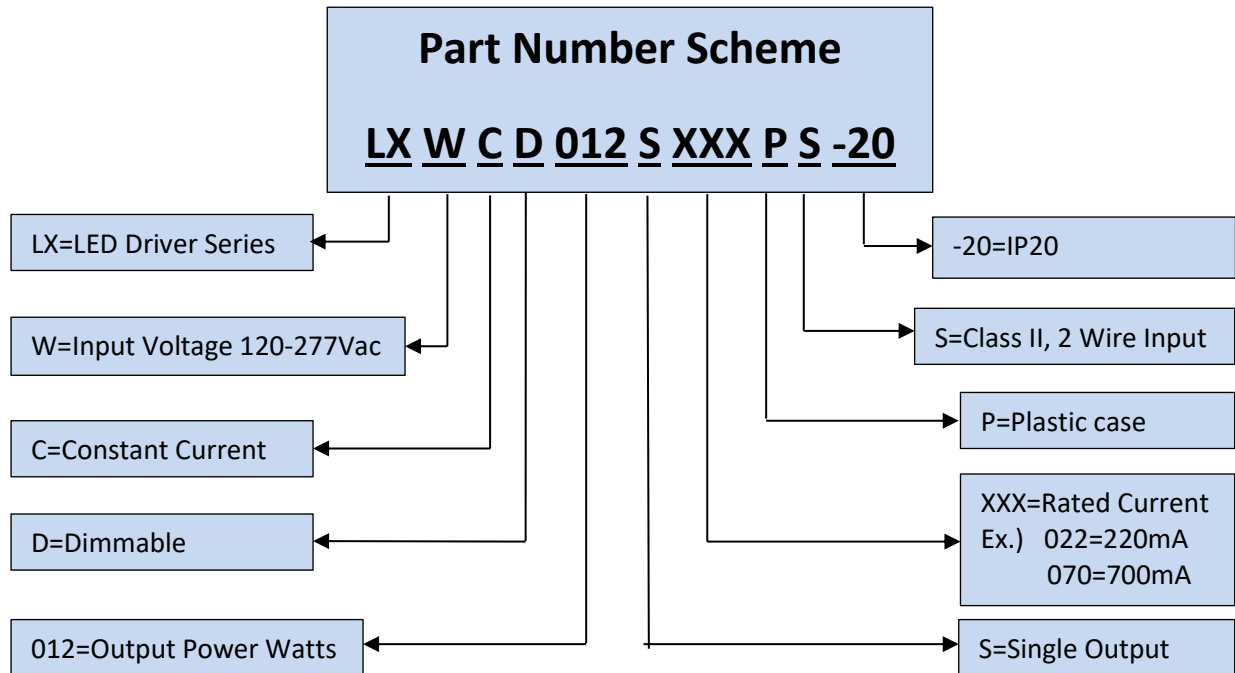
Wire Specifications	
Input	12", UL 1316 #18AWG (Black and White)
Output	12", UL 1430 #22AWG (Red and Blue)
Dimming	12", UL 1430 #22AWG (Purple and Grey)

Technical Sales / Customer Service: +1-818-338-7788 • Email: [sales@autec.com](mailto:sales@autec.com)

31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • [www.autec.com](http://www.autec.com)

June 13, 2019

5 / 6



**\*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.**

**Technical Sales / Customer Service:** +1-818-338-7788 • Email: [sales@autec.com](mailto:sales@autec.com)

31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • [www.autec.com](http://www.autec.com)

June 13, 2019

6 / 6