

■ Features

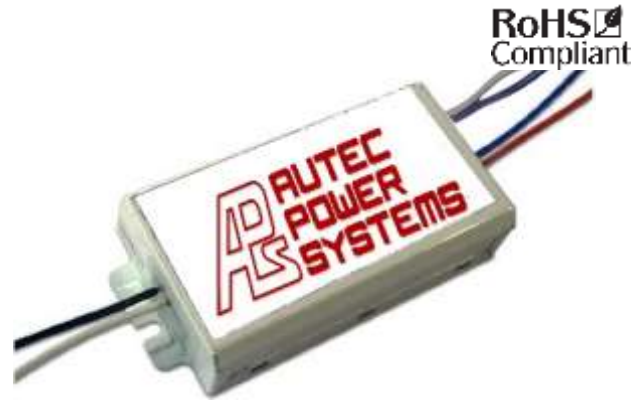
- Power Rating: 40W
- Input Voltage: 120-277Vac $\pm$ 10%
- Constant current design
- Fixed output current(740mA-1670mA)
- Efficiency to 85%
- Dimmable with 0-10V dimmer
- UL Class 2, Type HL
- OVP, OCP, SCP
- IP20
- 5-year warranty
- Metal case

■ 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
LXWCD040S074SS-20	120~277Vac $\pm$ 10%	40W	27-54V	740mA	740mA	84%@120V 85%@240V 85%@277V	UL/-
LXWCD040S080SS-20	120~277Vac $\pm$ 10%	40W	25-50V	800mA	800mA	84%@120V 85%@240V 85%@277V	UL/-
LXWCD040S090SS-20	120~277Vac $\pm$ 10%	40W	22-44V	900mA	900mA	84%@120V 85%@240V 85%@277V	UL/-
LXWCD040S095SS-20	120~277Vac $\pm$ 10%	40W	21-42V	950mA	950mA	84%@120V 85%@240V 85%@277V	UL/-
LXWCD040S100SS-20	120~277Vac $\pm$ 10%	40W	20-40V	1000mA	1000mA	84%@120V 85%@240V 85%@277V	UL/-
LXWCD040S110SS-20	120~277Vac $\pm$ 10%	40W	18-36V	1100mA	1100mA	84%@120V 85%@240V 85%@277V	UL/cUL
LXWCD040S120SS-20	120~277Vac $\pm$ 10%	40W	17-33V	1200mA	1200mA	84%@120V 85%@240V 85%@277V	UL/cUL
LXWCD040S130SS-20	120~277Vac $\pm$ 10%	40W	17-31V	1300mA	1300mA	84%@120V 85%@240V 85%@277V	UL/cUL
LXWCD040S140SS-20	120~277Vac $\pm$ 10%	40W	14-29V	1400mA	1400mA	84%@120V 85%@240V 85%@277V	UL/cUL



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RoHS
Compliant

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June 13, 2019

LXWCD040S150SS-20	120~277Vac ± 10%	40W	13-27V	1500mA	1500mA	84%@120V 85%@240V 85%@277V	UL/cUL
LXWCD040S160SS-20	120~277Vac ± 10%	40W	13-25V	1600mA	1600mA	84%@120V 85%@240V 85%@277V	UL/cUL
LXWCD040S167SS-20	120~277Vac ± 10%	40W	12-24V	1670mA	1670mA	84%@120V 85%@240V 85%@277V	UL/cUL

■ Technical Data

Input voltage range	120~277Vac ± 10%
Frequency	50/60Hz
Power factor	>0.9 under 120-277Vac input with 80-100% load condition (for all output currents)
Inrush current	30A @ 230V
Max input current	0.44A @120V, 0.23A @240V and 0.20A @ 277V
THD	<20% under 120-277Vac input with 80-100% load condition (for all output currents)
Load regulation	± 2%
Line regulation	± 1%
Output tolerance	± 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	< 2W
Ripple & Noise (pk-pk)	< 3%
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 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	269,000 hours at 40°C ambient (~70°C case temp)
Life rating	80,000 hours at 120Vac input, 100% load and 60°C case temperature

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■ Technical Data(cont.)

Maximum case Temperature	90°C
Length (L)	5.00" (127mm)
Width (W)	2.40" (62mm)
Height (H)	1.00" (25.4mm)
Mounting (M)	4.64" (118mm)
Weight	0.25kg
Packaging	0.25kg /unit; 50pcs /carton; 2,500pcs / pallet

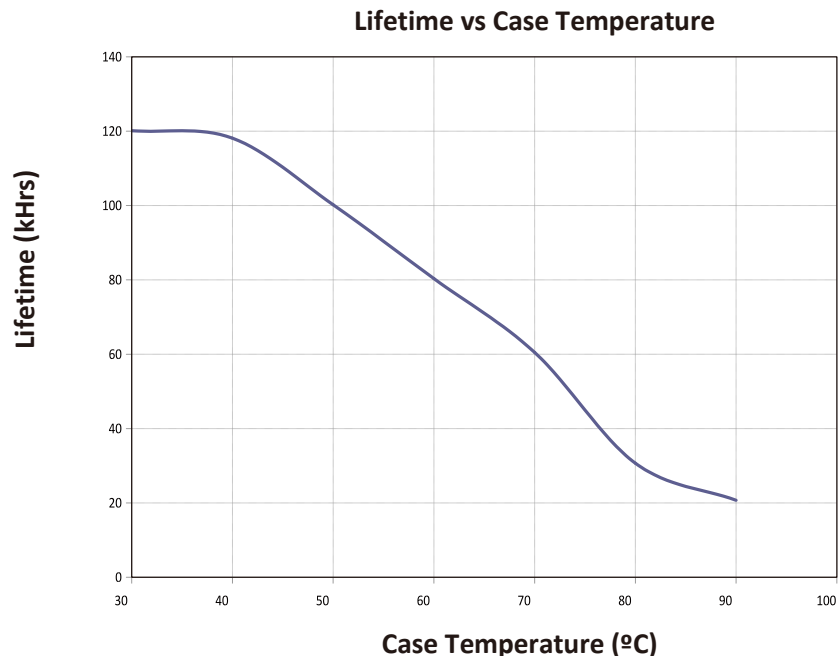
■ Safety Compliance

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

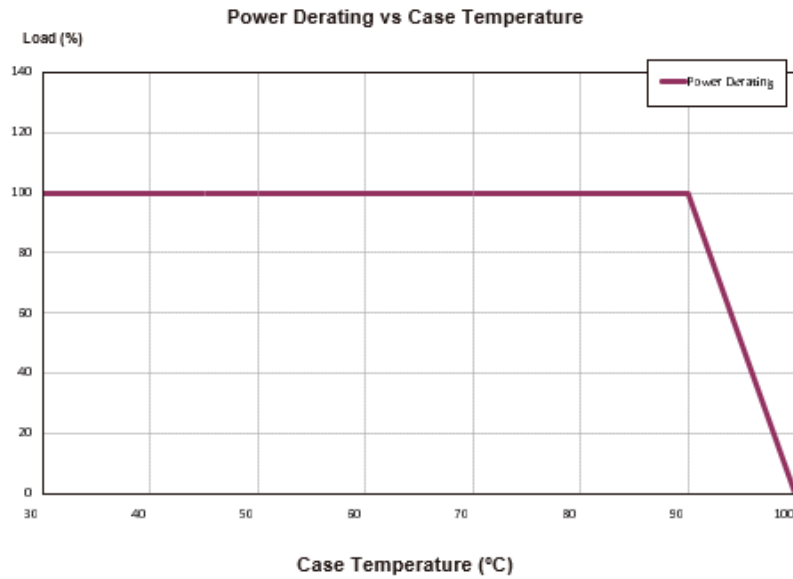


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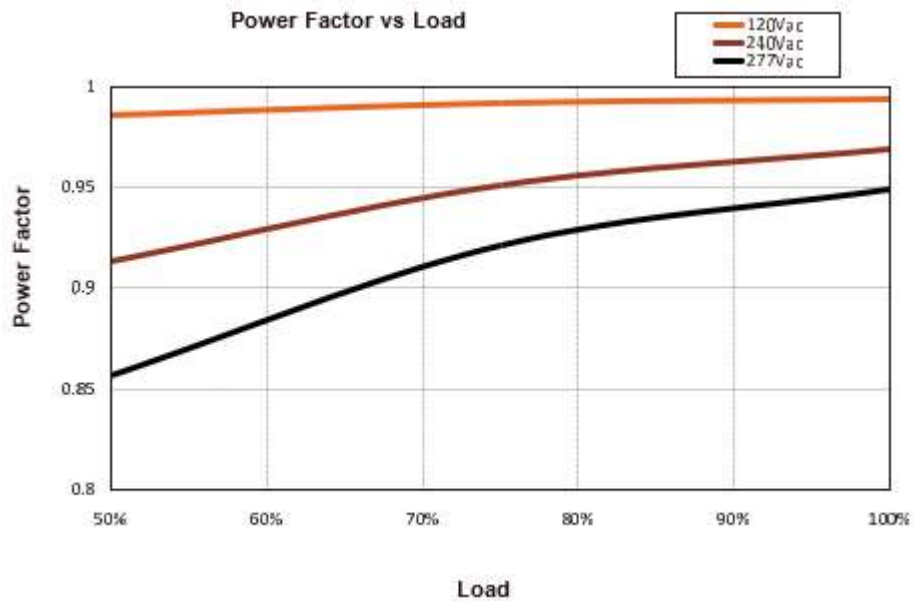
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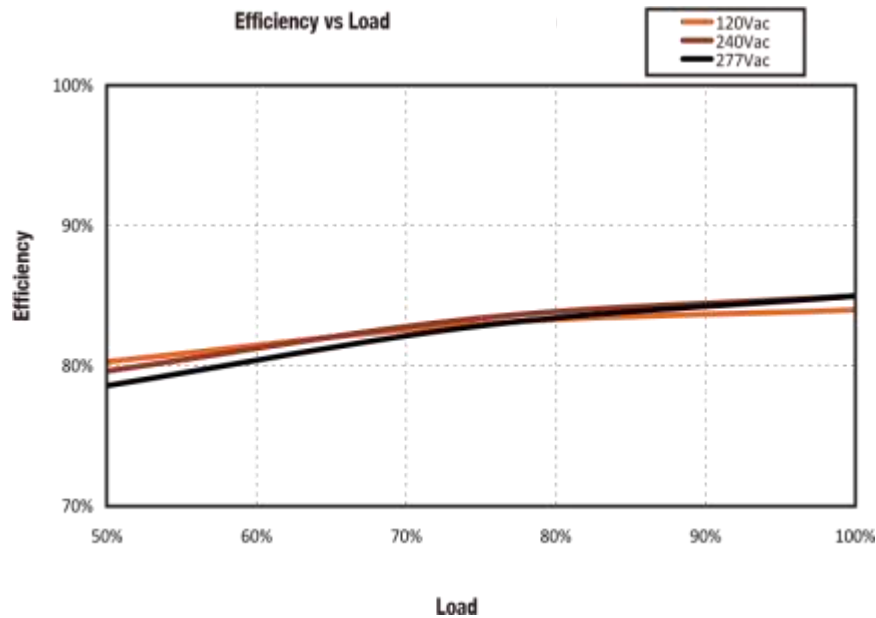
■ Power Derating vs Case Temperature



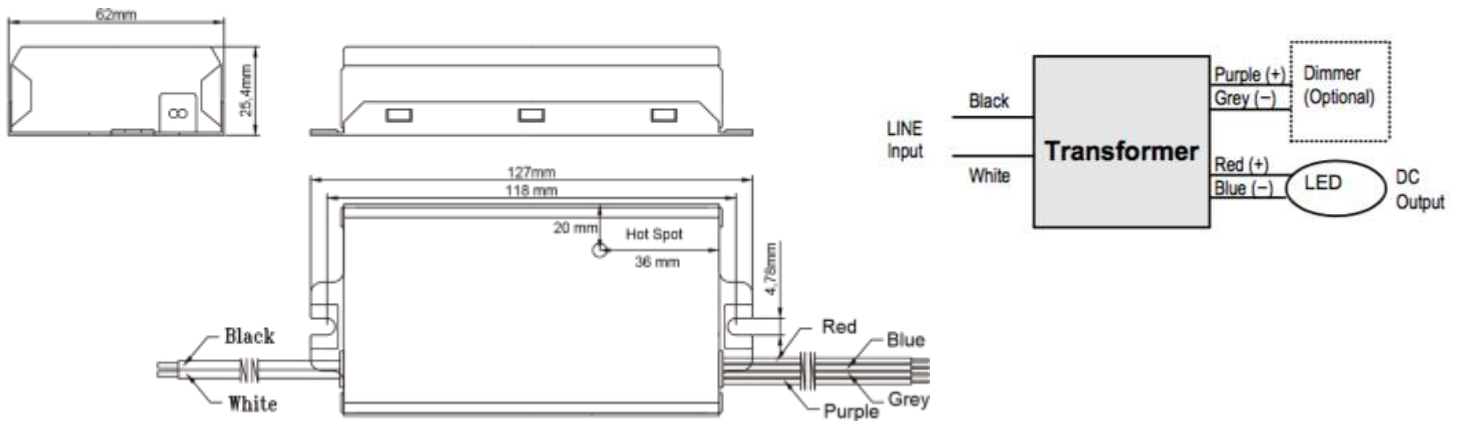
■ Power Factor vs Load



■ Efficiency vs Load



■ Wiring Diagram



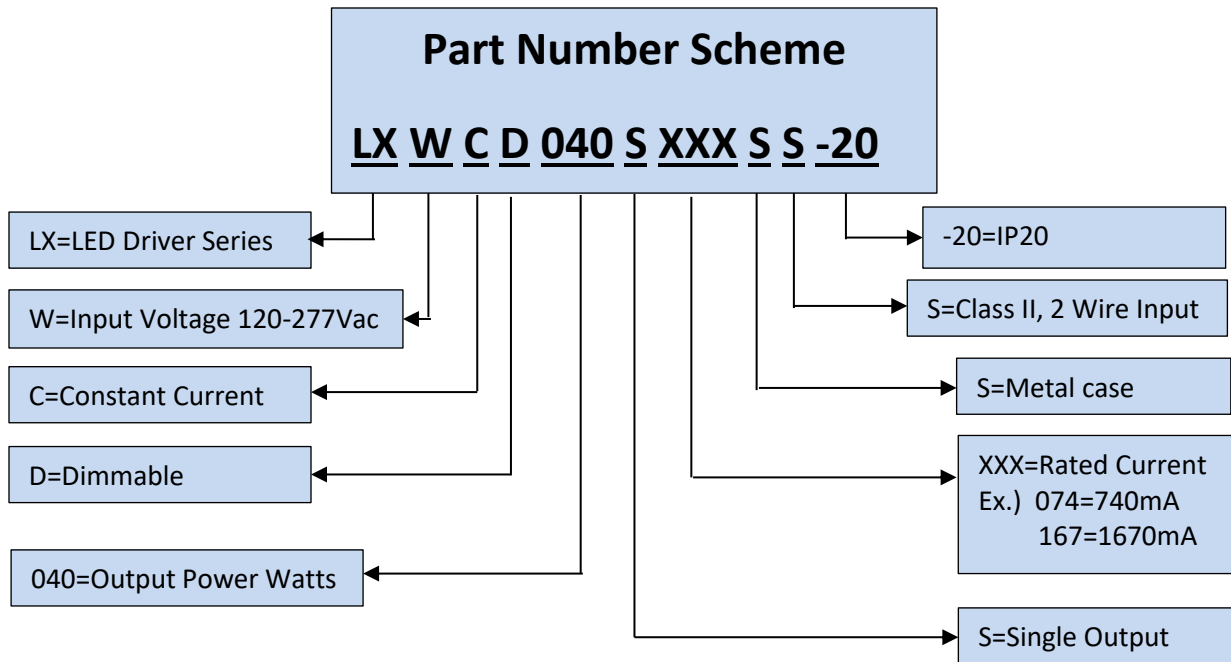
Wire Specifications

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

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