

■ Features

- Power Rating: 40W
- Input Voltage: 120-277Vac \pm 10%
- Constant current design
- Fixed output current(350mA-2000mA)
- Efficiency to 87%
- Auxiliary power: 12Vdc, 20mA max
- Dimmable with 0-10V dimmer
- Dim-to-off
- UL Class P, Type HL, Class 2 outputs available
- OVP, OCP, SCP, OTP
- IP66
- 5-year warranty
- Plastic case



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

■ Application

- Indoor or outdoor lights

■ Model List*(See part number scheme for model number detail)

Model Number	Input Voltage Range	Output Power	Output Voltage	Output Current Min.	Output Current Max.	Efficiency	Certification
LXWCD040S053PS-3Z	120~277Vac \pm 10%	40W	28-75V	530mA	530mA	86% @120V 87% @240V 87% @277V	-/-
LXWCD040S060PS-3Z	120~277Vac \pm 10%	40W	33-67V	600mA	600mA	86% @120V 87% @240V 87% @277V	-/-
LXWCD040S070PS-3Z*	120~277Vac \pm 10%	40W	29-57V	700mA	700mA	86% @120V 86% @240V 86% @277V	UL/-
LXWCD040S080PS-3Z*	120~277Vac \pm 10%	40W	25-50V	800mA	800mA	86% @120V 86% @240V 86% @277V	UL/-
LXWCD040S090PS-3Z*	120~277Vac \pm 10%	40W	22-44V	900mA	900mA	86% @120V 86% @240V 86% @277V	UL/-
LXWCD040S100PS-3Z*	120~277Vac \pm 10%	40W	20-40V	1000mA	1000mA	86% @120V 86% @240V 86% @277V	UL/cUL
LXWCD040S110PS-3Z*	120~277Vac \pm 10%	40W	18-36V	1100mA	1100mA	85% @120V 86% @240V 86% @277V	UL/cUL

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June 13, 2019

1 / 7

■ Model List(Cont.)

Model Number	Input Voltage Range	Output Power	Output Voltage	Output Current Min.	Output Current Max.	Efficiency	Certification
LXWCD040S120PS-3Z*	120~277Vac ± 10%	40W	17-33V	1200mA	1200mA	85% @120V 86% @240V 86% @277V	UL/cUL
LXWCD040S130PS-3Z*	120~277Vac ± 10%	40W	15-31V	1300mA	1300mA	85% @120V 86% @240V 86% @277V	UL/cUL
LXWCD040S140PS-3Z*	120~277Vac ± 10%	40W	14-29V	1400mA	1400mA	85% @120V 86% @240V 86% @277V	UL/cUL
LXWCD040S150PS-3Z*	120~277Vac ± 10%	40W	13-27V	1500mA	1500mA	85% @120V 86% @240V 86% @277V	UL/cUL
LXWCD040S160PS-3Z*	120~277Vac ± 10%	40W	13-25V	1600mA	1600mA	85% @120V 86% @240V 86% @277V	UL/cUL
LXWCD040S170PS-3Z*	120~277Vac ± 10%	40W	12-24V	1700mA	1700mA	85% @120V 86% @240V 86% @277V	UL/cUL
LXWCD040S180PS-3Z*	120~277Vac ± 10%	40W	11-22V	1800mA	1800mA	85% @120V 86% @240V 86% @277V	UL/cUL
LXWCD040S190PS-3Z*	120~277Vac ± 10%	40W	11-21V	1900mA	1900mA	85% @120V 86% @240V 86% @277V	UL/cUL
LXWCD040S200PS-3Z*	120~277Vac ± 10%	40W	10-20V	2000mA	2000mA	85% @120V 86% @240V 86% @277V	UL/cUL

*Class 2 output (-3= 3-wire dimming option, Contact Autec Sales for 2-wire dimming options)

■ 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	10A @120V
Max input current	0.48A @120V, 0.25A @240V and 0.22A @277V
THD	< 20% under 120~277Vac input with 80~100% load condition (for all output currents)
Ripple & Noise (pk-pk)	< 20%
Withstand voltage	Input to output, 4,000Vdc, 2mA

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June 13, 2019

2 / 7

■ Technical Data(cont.)

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	$< 2W$
Leakage current	Maximum 0.5mA at 277Vac, 60Hz input
Protection	<p>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.</p> <p>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.</p> <p>Short circuit protection: Hiccup mode. Protection will trigger when short circuit and will auto recover after the fault mode is removed.</p> <p>Over temperature protection: Protection will trigger when driver overheat and auto-recovery when cooled down.</p>
Operating temperature	-40 to $60^{\circ}C$
Storage temperature	-40 to $85^{\circ}C$
Humidity	5% to 95%
MTBF	302,000 hours at $40^{\circ}C$ ambient ($\sim 70^{\circ}C$ case temp)
Life rating	80,000 hours at 120Vac input, 100% load and $60^{\circ}C$ case temperature
Maximum case Temperature	$90^{\circ}C$
Length (L)	3.76" (95.5mm)
Width (W)	2.81" (71.5mm)
Height (H)	1.26" (32mm)
Mounting (M)	3.34" (85mm)
Packing	0.31kg/unit; 40pcs/carton; 1600pcs/pallet
Carton Size	410x230x190mm

■ 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

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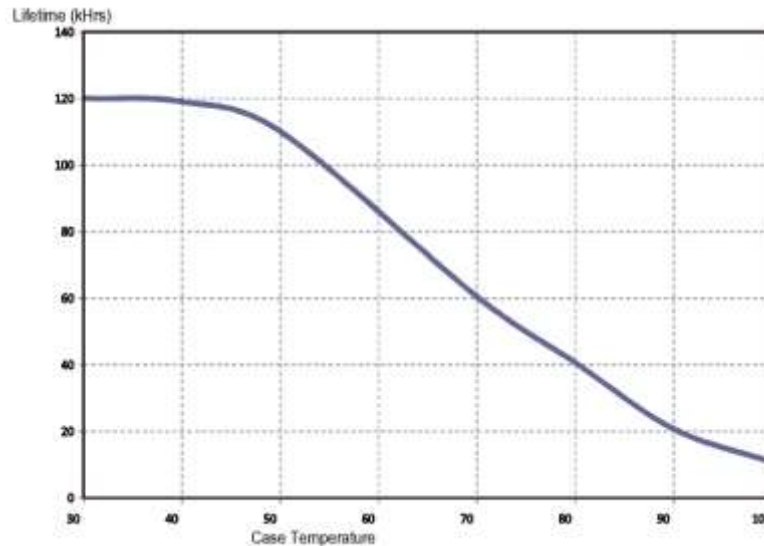
June 13, 2019

3 / 7

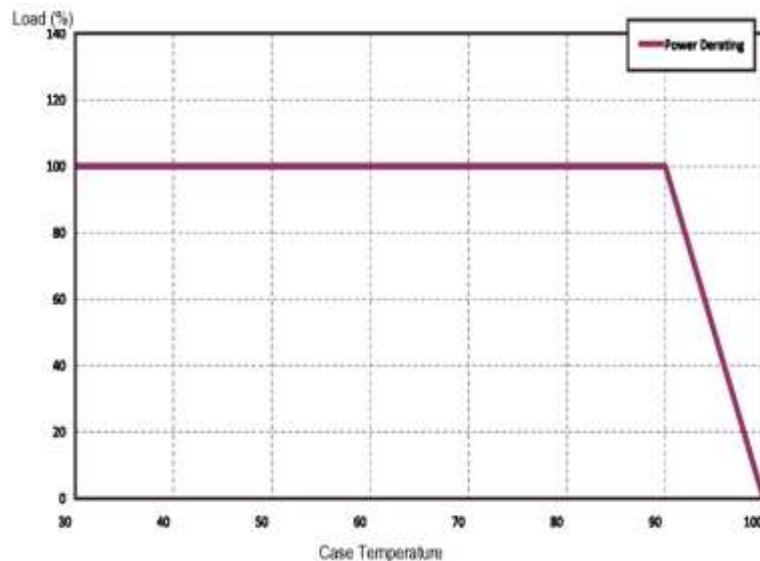
Disclaimer:

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**



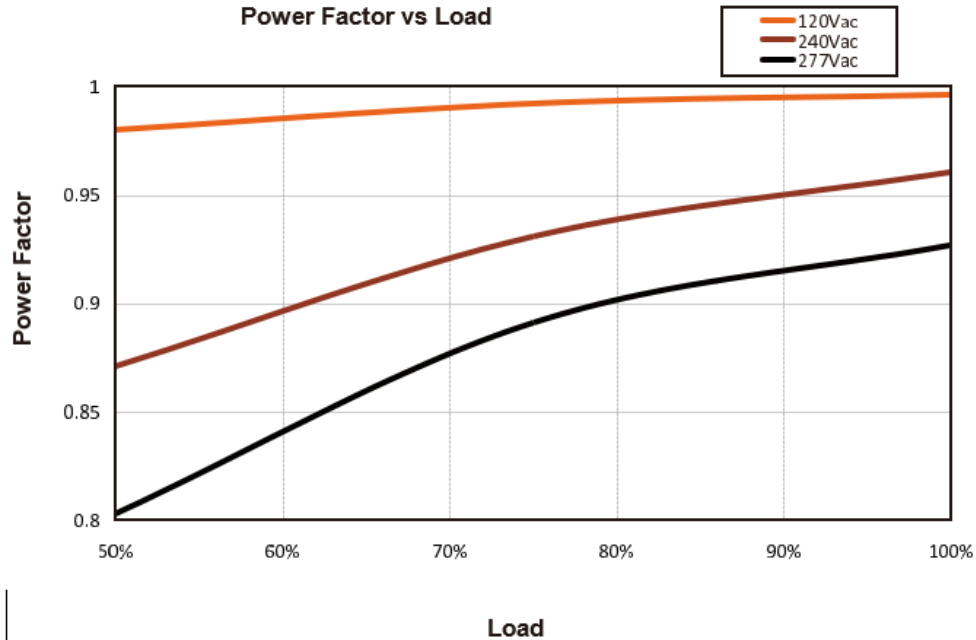
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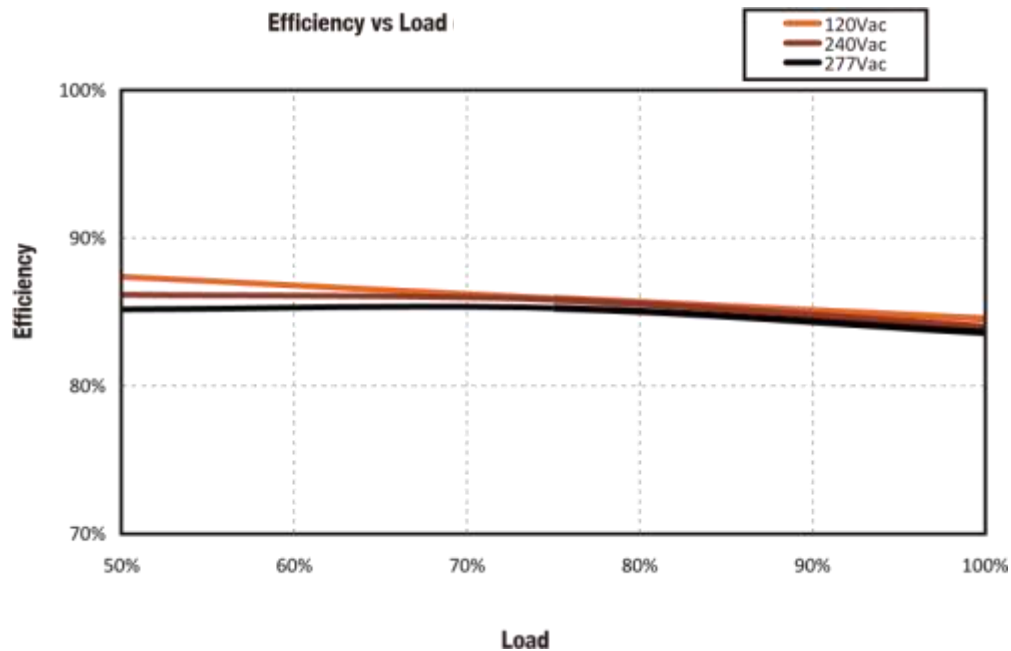
June 13, 2019

4 / 7

■ **Power Factor vs Load** LXWCD040S070PS-3Z



■ **Efficiency vs Load** LXWCD040S070PS-3Z



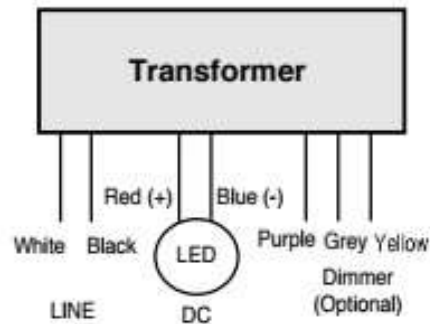
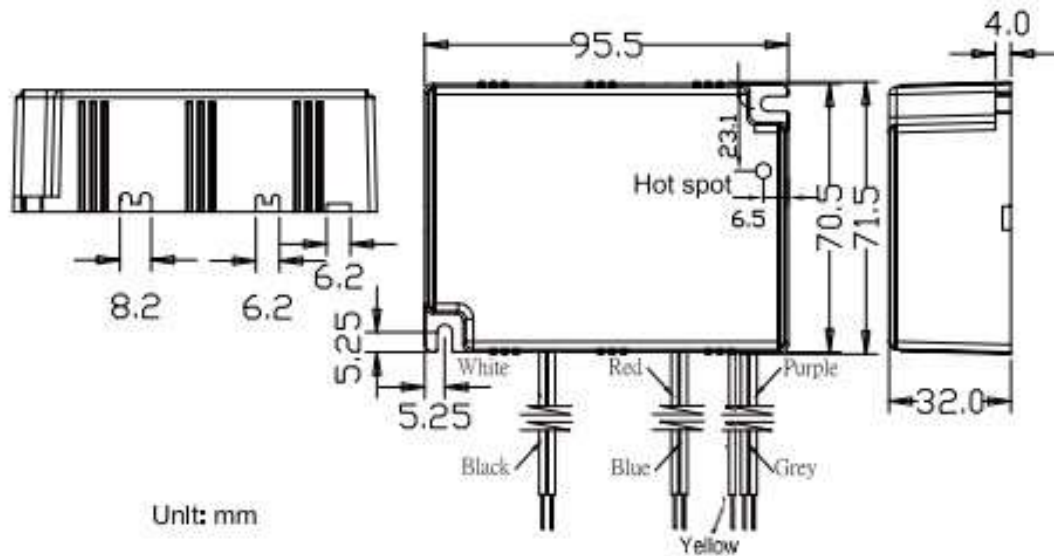
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June 13, 2019

5 / 7

■ Wiring Diagram



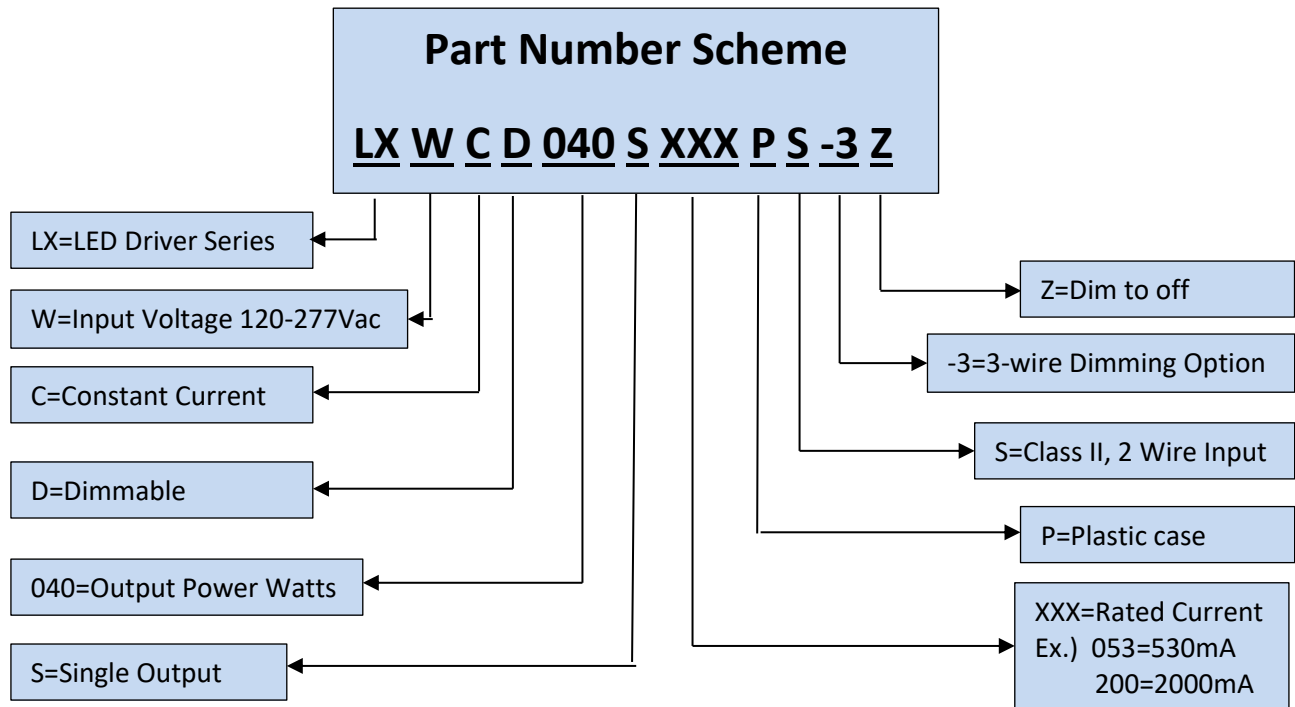
Wire Specifications	
Input	12", UL 1316 #18AWG (Black and White)
Output	12", UL 1569 #18AWG (with Non-Class 2 output)
Output	12", UL 1430 #22AWG (with Class 2 output) (Red and Blue)
Dimming	12", UL 1430 #22AWG (Purple and Grey), Auxiliary power: 12Vdc, 20mA max

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June 13, 2019

6 / 7



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June 13, 2019

7 / 7