

■ Features

- Power Rating: 40W
- Input Voltage: 120Vac
- Constant current design
- Output currents (350mA-2000mA)
- Fixed output current
- Efficiency up to 87%
- Dimmable with Triac trailing edge dimming option
- UL Class 2 Output options available
- OVP, SCP, & Open Circuit Protection
- IP20 or IP66
- 5-year warranty

■ Application

- Indoor and outdoor lights

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



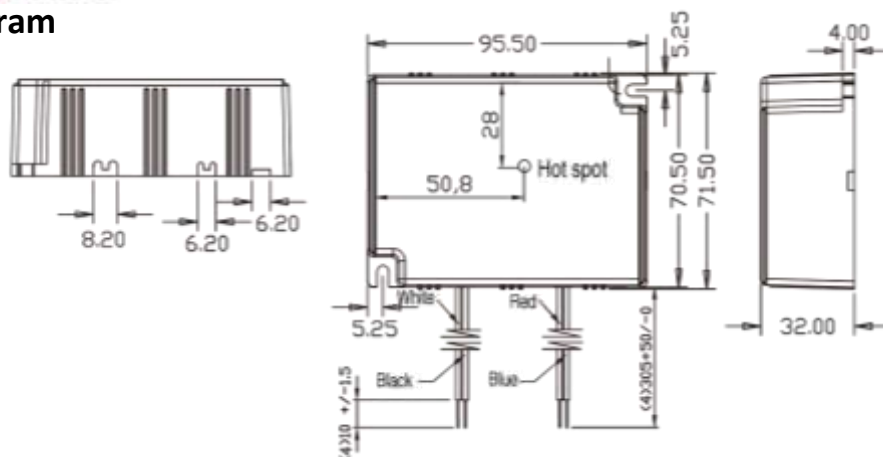
*Product images are for illustrative purposes only and may vary from actual design.

Model Number	Input Voltage Range	Output Power	Output Voltage	Output Current Min.	Output Current Max.	Efficiency	Certification
LXLCT040S035PS*	120Vac $\pm$ 10%	40W	38-16V	350mA	350mA	87%@120V 87%@240V 87%@277V	-
LXLCT040S040PS	120Vac $\pm$ 10%	40W	33-100V	400mA	400mA	87%@120V 87%@240V 87%@277V	-
LXLCT040S050PS	120Vac $\pm$ 10%	40W	27-80V	500mA	500mA	86%@120V 87%@240V 87%@277V	-
LXLCT040S060PS	120Vac $\pm$ 10%	40W	22-67V	600mA	600mA	86%@120V 87%@240V 87%@277V	-
LXLCT040S070PS*	120Vac $\pm$ 10%	40W	19-57V	700mA	700mA	86%@120V 86%@240V 86%@277V	UL/-
LXLCT040S080PS*	120Vac $\pm$ 10%	40W	17-50V	800mA	800mA	86%@120V 86%@240V 86%@277V	UL/-
LXLCT040S090PS*	120Vac $\pm$ 10%	40W	15-44V	900mA	900mA	86%@120V 86%@240V 86%@277V	UL/-

Model Number	Input Voltage Range	Output Power	Output Voltage	Output Current Min.	Output Current Max.	Efficiency	Certification
LXLCT040S100PS*	120Vac $\pm$ 10%	40W	13-40V	1000mA	1000mA	86%@120V 86%@240V 86%@277V	UL/cUL
LXLCT040S110PS*	120Vac $\pm$ 10%	40W	12-36V	1100mA	1100mA	85%@120V 86%@240V 86%@277V	UL/cUL
LXLCT040S120PS*	120Vac $\pm$ 10%	40W	11-33V	1200mA	1200mA	85%@120V 86%@240V 86%@277V	UL/cUL
LXLCT040S130PS*	120Vac $\pm$ 10%	40W	11-31V	1300mA	1300mA	85%@120V 86%@240V 86%@277V	UL/cUL
LXLCT040S140PS*	120Vac $\pm$ 10%	40W	10-29V	1400mA	1400mA	85%@120V 86%@240V 86%@277V	UL/cUL
LXLCT040S150PS*	120Vac $\pm$ 10%	40W	9-27V	1500mA	1500mA	85%@120V 86%@240V 86%@277V	UL/cUL
LXLCT040S160PS*	120Vac $\pm$ 10%	40W	9-25V	1600mA	1600mA	85%@120V 86%@240V 86%@277V	UL/cUL
LXLCT040S167PS*	120Vac $\pm$ 10%	40W	8-24V	1670mA	1670mA	85%@120V 86%@240V 86%@277V	UL/cUL
LXLCT040S170PS*	120Vac $\pm$ 10%	40W	8-24V	1700mA	1700mA	85%@120V 86%@240V 86%@277V	UL/cUL
LXLCT040S180PS*	120Vac $\pm$ 10%	40W	8-22V	1800mA	1800mA	85%@120V 86%@240V 86%@277V	UL/cUL
LXLCT040S190PS*	120Vac $\pm$ 10%	40W	7-21V	1900mA	1900mA	85%@120V 86%@240V 86%@277V	UL/cUL
LXLCT040S200PS*	120Vac $\pm$ 10%	40W	7-20V	2000mA	2000mA	85%@120V 86%@240V 86%@277V	UL/cUL

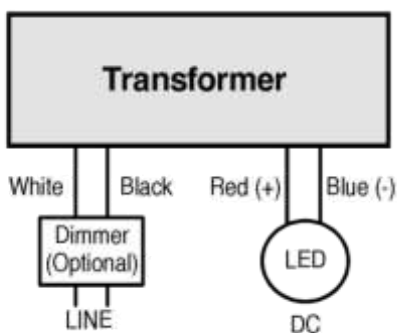
*Class 2 Output

■ Wiring Diagram



Input Wire: 12" UL 1316 #18AWG (Black and White)
Output Wire: 12" UL 1316/1430 #22AWG (Red and Blue)

■ Wiring Diagram(Cont.)



■ Technical Data

Input voltage range	120Vac $\pm$ 10%
Frequency	50/60Hz
Power factor	> 0.9 under 120~277Vac input with 80~100% load condition (for all output currents)
Inrush current	7A @ 230V
Max input current	0.44A @ 120V
THD	< 20% under 120Vac 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	< 0.75s at full load condition

■ Technical Data(cont.)

Overshoot	< 10% at full load condition
No Load Power Consumption	< 2W
Ripple & Noise (pk-pk)	< 10%
Withstand voltage	Input to output, 4,000Vdc, 2mA
Leakage current	Maximum 0.5mA
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	302,000 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)	3.76" (71.5mm)
Width (W)	2.81" (80mm)
Height (H)	1.26" (32mm)
Mounting (M)	3.34" (85mm)
Weight	0.19kg
Packing	0.31kg; 40pcs/carton; 1,600/pallet

■ Safeties

UL/cUL	UL 8750
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.

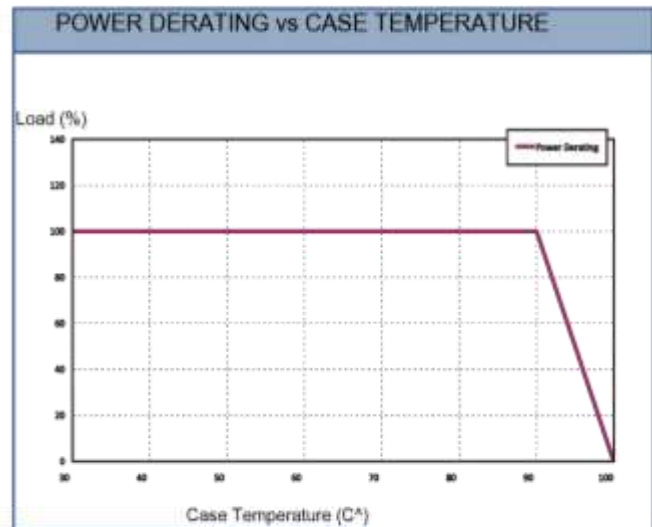
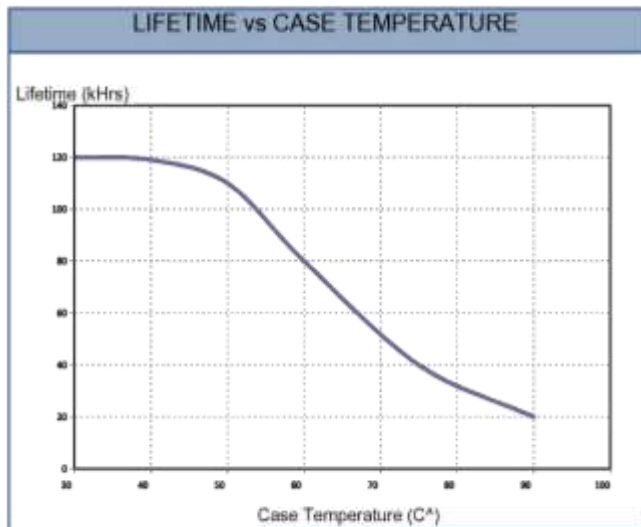
Technical Sales / Customer Service: +1-818-338-7788 • Email: sales@autec.com

31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • www.autec.com

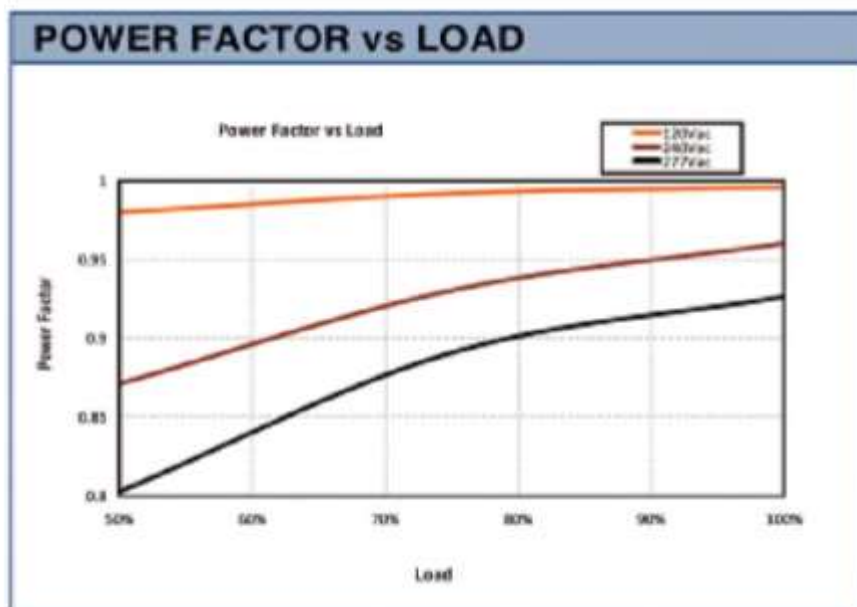
June 14, 2019

4 / 6

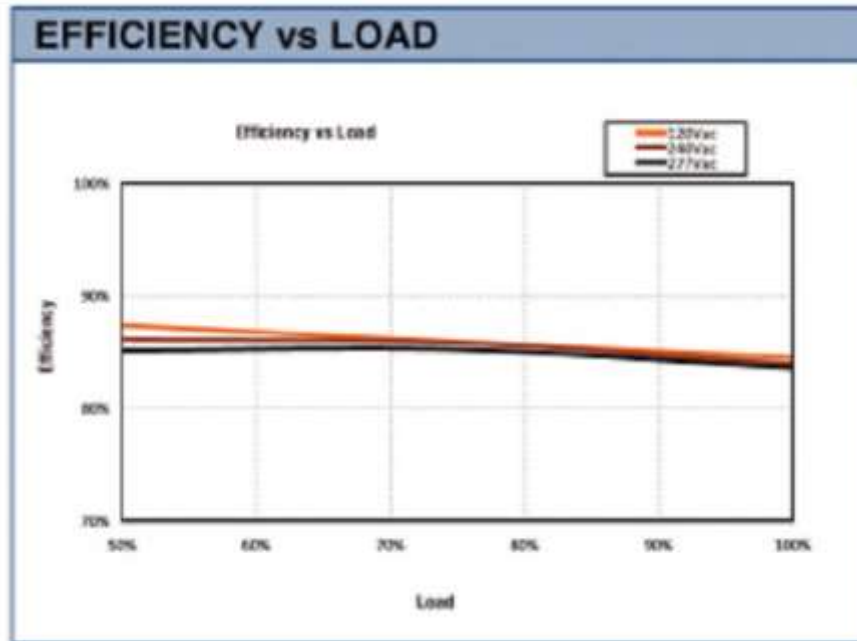
■ **Lifetime/Case Temp**



■ **Power Factor vs Load**

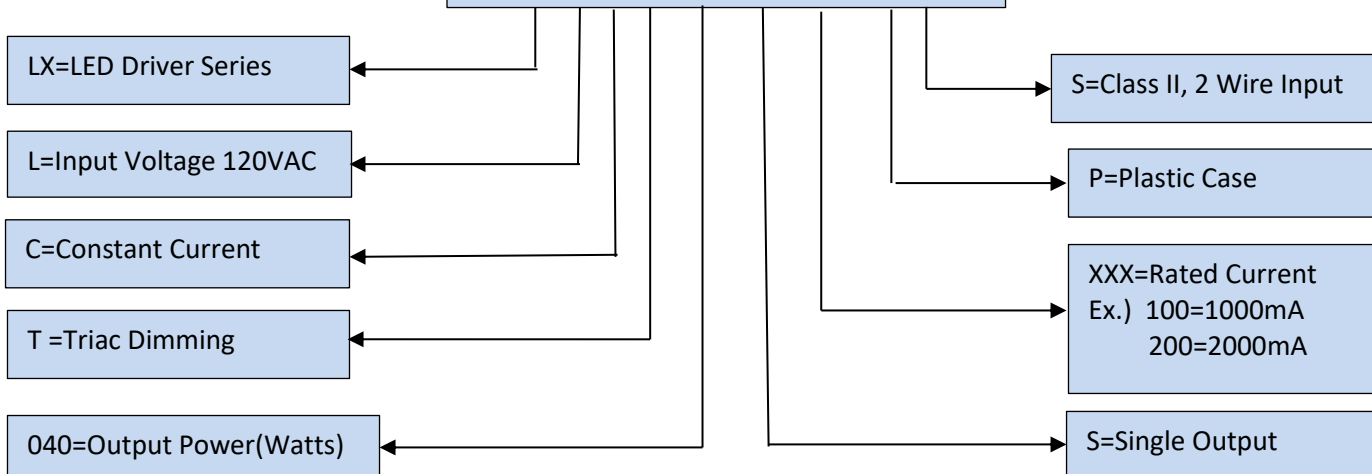


■ **Efficiency vs Load**



Part Number Scheme

LX L C T 040 S XXX P S



***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

31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • www.autec.com

June 14, 2019