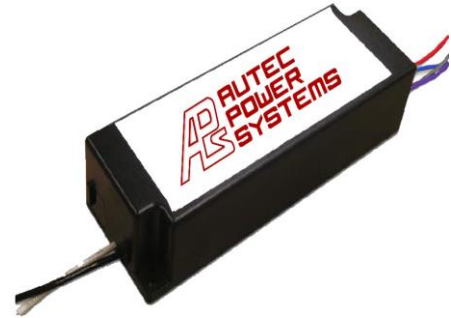


■ Features

- Power Rating: 60W
- Input Voltage: 347Vac ± 10%
- Constant current design
- Output current(500mA-2500mA)
- Efficiency up to 88%
- Dimmable with 0-10V dimmer
- UL Class 2
- OVP, OCP, SCP, and OTP
- 5-year warranty
- IP20 and IP66 design



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

■ Application

- Indoor or outdoor lights

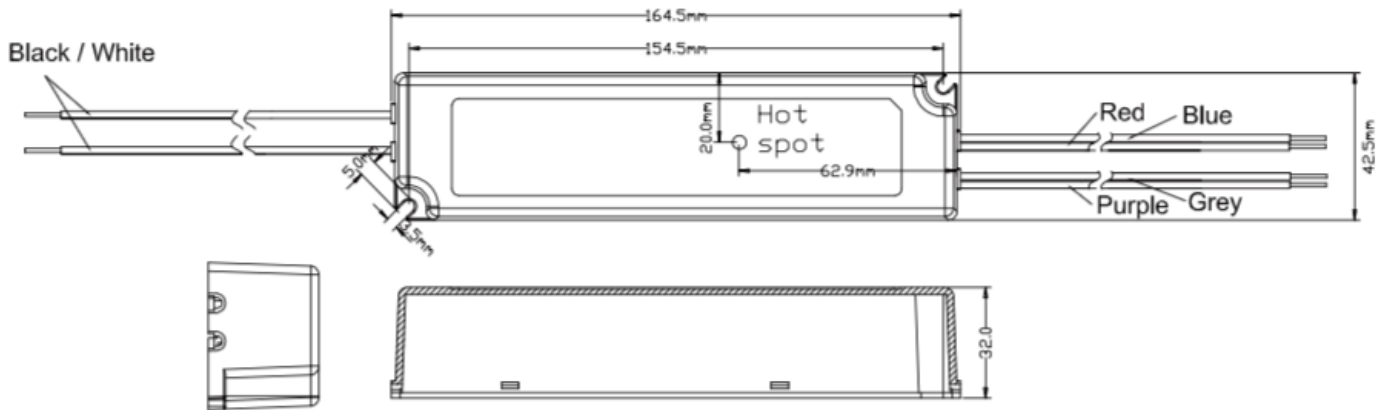
■ Model List*(See part number scheme for model number details.)

Model Number	Input Voltage Range	Output Power	Output Voltage	Output Current Min.	Output Current Max.	Efficiency	Certification
LXHCD060S050PS	347Vac ± 10%	60W	60-120V	500mA	500mA	88%	UL/cUL
LXHCD060S060PS	347Vac ± 10%	60W	50-100V	600mA	600mA	88%	UL/cUL
LXHCD060S070PS	347Vac ± 10%	60W	43-86V	700mA	700mA	88%	UL/cUL
LXHCD060S080PS	347Vac ± 10%	60W	38-75V	800mA	800mA	88%	UL/cUL
LXHCD060S085PS	347Vac ± 10%	60W	35-71V	850mA	850mA	88%	UL/cUL
LXHCD060S090PS	347Vac ± 10%	60W	33-67V	900mA	1900mA	88%	UL/cUL
LXHCD060S100PS	347Vac ± 10%	60W	30-60V	1000mA	1000mA	88%	UL/cUL
LXHCD060S110PS	347Vac ± 10%	60W	27-55V	1100mA	1100mA	88%	UL/cUL
LXHCD060S120PS	347Vac ± 10%	60W	25-50V	1200mA	1200mA	88%	UL/cUL
LXHCD060S130PS	347Vac ± 10%	60W	23-46V	1300mA	1300mA	88%	UL/cUL
LXHCD060S140PS	347Vac ± 10%	60W	21-43V	1400mA	1400mA	88%	UL/cUL

■ Model List(Cont.)

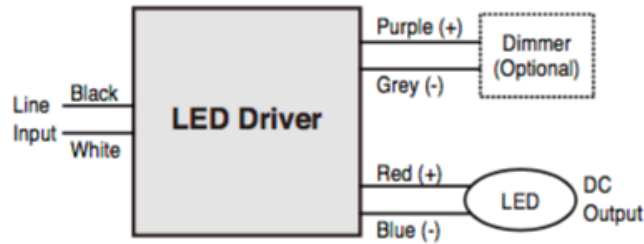
Model Number	Input Voltage Range	Output Power	Output Voltage	Output Current Min.	Output Current Max.	Efficiency	Certification
LXHCD060S150PS	347Vac ± 10%	60W	20-40V	1500mA	1500mA	88%	UL/cUL
LXHCD060S160PS	347Vac ± 10%	60W	19-38V	1600mA	1600mA	88%	UL/cUL
LXHCD060S170PS	347Vac ± 10%	60W	18-35V	1700mA	1700mA	88%	UL/cUL
LXHCD060S180PS	347Vac ± 10%	60W	17-33V	1800mA	1800mA	88%	UL/cUL
LXHCD060S190PS	347Vac ± 10%	60W	16-32V	1900mA	1900ma	88%	UL/cUL
LXHCD060S200PS	347Vac ± 10%	60W	15-30V	2000mA	2000mA	88%	UL/cUL
LXHCD060S210PS	347Vac ± 10%	60W	14-29V	2100mA	2100mA	88%	UL/cUL
LXHCD060S220PS	347Vac ± 10%	60W	14-27V	2200mA	2200mA	88%	UL/cUL
LXHCD060S230PS	347Vac ± 10%	60W	13-26V	2300mA	2300mA	88%	UL/cUL
LXHCD060S240PS	347Vac ± 10%	60W	13-25V	2400mA	2400mA	88%	UL/cUL
LXHCD060S250PS	347Vac ± 10%	60W	12-24V	2500mA	2500mA	88%	UL/cUL

■ Wiring Diagram



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■ Wiring Diagram(Cont.)



Input: 12", UL 1316 #18AWG (Black and White)

Output: 12", UL 1569 #18AWG (with Non-Class 2 output)

Output: 12", UL 1430 #22AWG (with Non-Class 2 output) (Red and Blue)

Dimming: 12", UL 1430 #22AWG (Purple and Grey)

■ 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 @120V
Max input current	1.07A @120V, 0.54A @240V and 0.47A @277V
THD	< 20% under 120~277Vac input with 80~100% load condition (for all output currents)
Load Regulation	± 2%
Line Regulation	± 1%
Current Tolerance	± 5% at full load condition
Turn-on Delay Time	< 0.1s at full load condition
Overshoot	< 10% at full load condition
No Load Power Consumption	< 3W
Ripple & Noise (pk-pk)	< 3%
Withstand voltage	Input to output, 2,800Vdc, 2mA
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>

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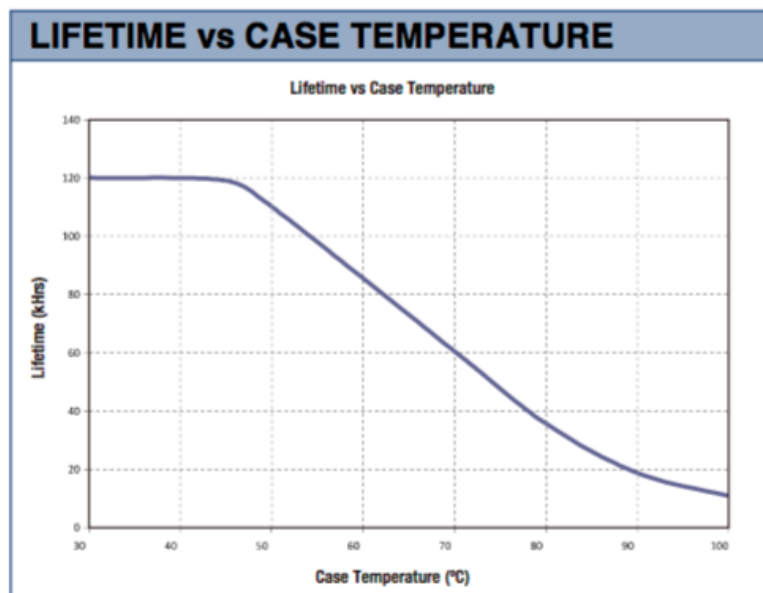
■ **Technical Data(Cont.)**

Operating temperature	-40 to 60°C
Storage temperature	-40 to 85°C
Humidity	5% to 95%
MTBF	259,000 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)	6.48" (165.5mm)
Width (W)	1.67" (42.5mm)
Height (H)	1.26" (32mm)
Mounting (M)	6.08" (154.5mm)
Packing	0.35kg/unit; 40pcs/carton; 1200pcs/pallet

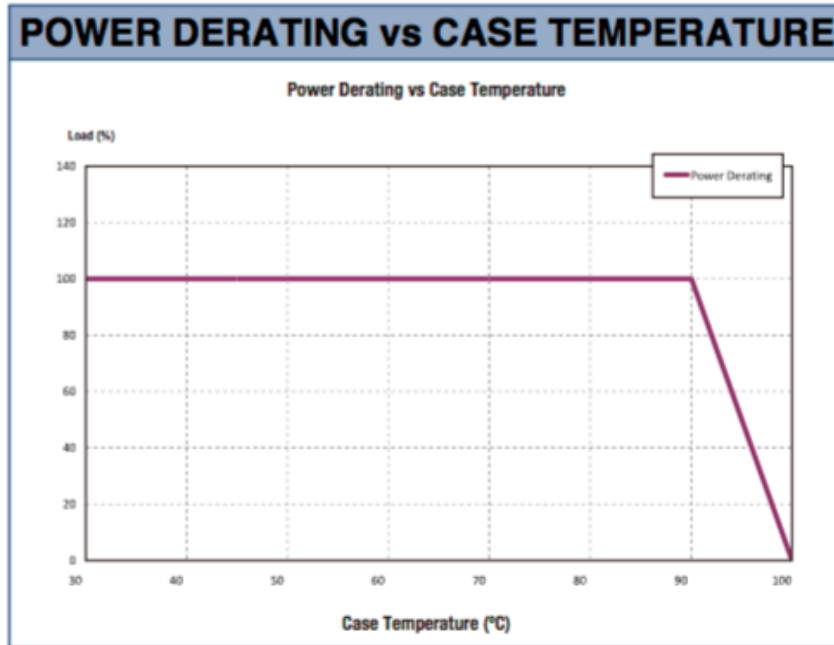
■ **Safety Compliance**

UL/cUL	UL 8750 pending
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

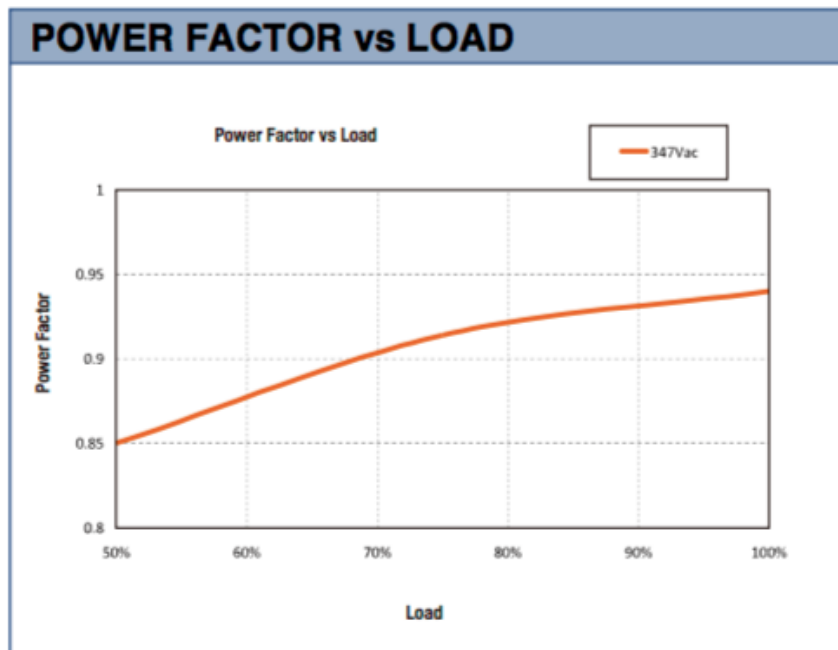
■ **Lifetime vs Case Temperature**



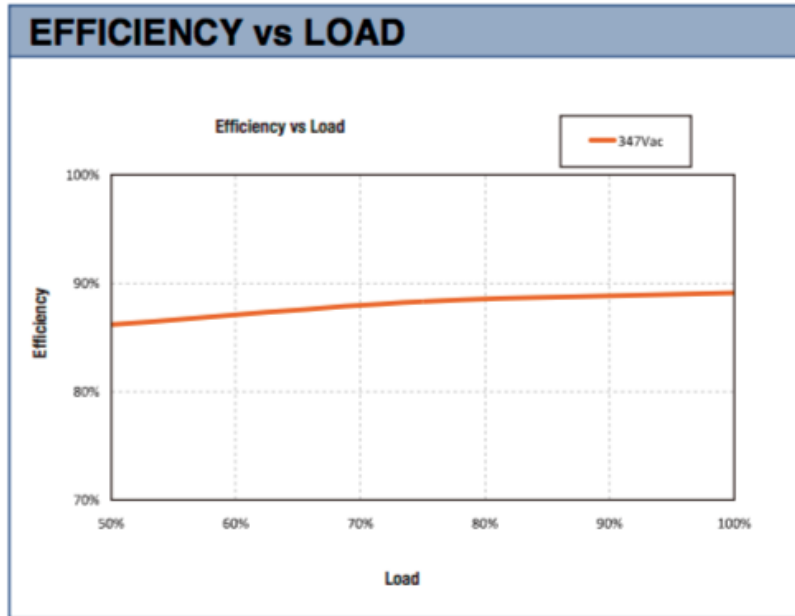
■ Power Derating vs Case Temperature



■ Power Factor vs Load

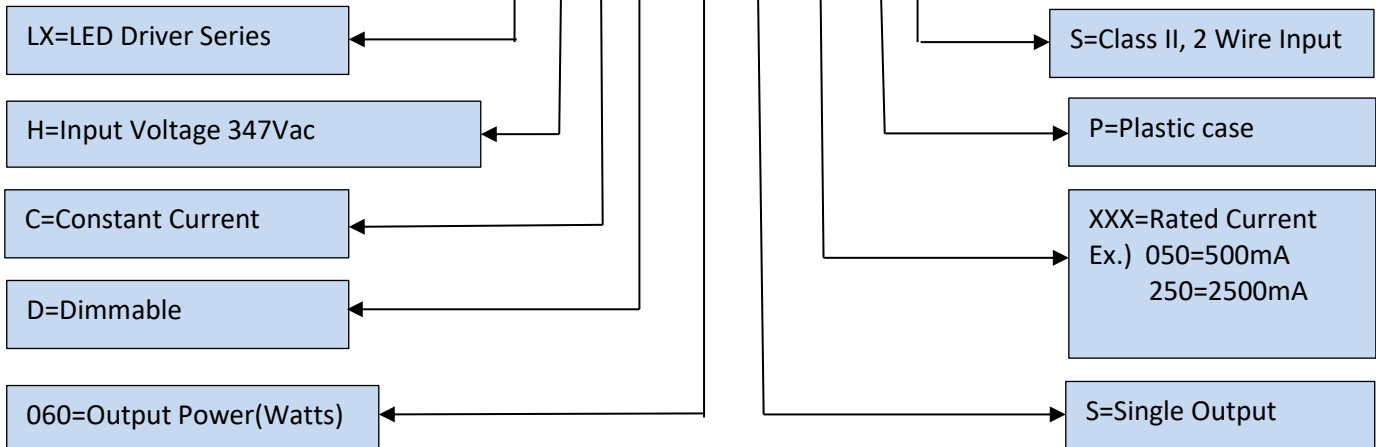


■ **Efficiency vs Load**



Part Number Scheme

LX H C D 060 S XXX P S



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*Specifications are subject to change without notice. Autec is not responsible for issues arising from errors or omissions.

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