

# LXHCD060SXXXPS Series



Constant current LED driver
Total power: 60W
Input voltage: 347Vac $\pm$ 10%
Number of outputs: One
UL 8750
IP20 or IP66 design
Dimmable with 0-10V dimmer
5 year warranty



## ELECTRICAL SPECIFICATIONS

Input voltage range:	347Vac $\pm$ 10%
Frequency:	50/60Hz
Power factor:	> 0.9 under 347Vac input with 80~100% load condition (for all output currents)
Inrush current:	20A @347V
Max input current:	0.23A @347V
THD:	< 20% under 347Vac input with 80~100% load condition (for all output currents)
Load Regulation:	$\pm$ 1%
Line Regulation:	$\pm$ 1%
Output 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
Ripple & Noise (pk-pk):	< 10%
Withstand voltage:	Input to output, 2,800Vdc, 2mA
Leakage current:	Maximum 0.5mA at 347Vac, 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. Over temperature protection: Protection will trigger when driver overheat and auto-recovery when cooled down.

## ENVIRONMENTAL SPECIFICATIONS

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

## SAFETY AND EMC COMPLIANCE

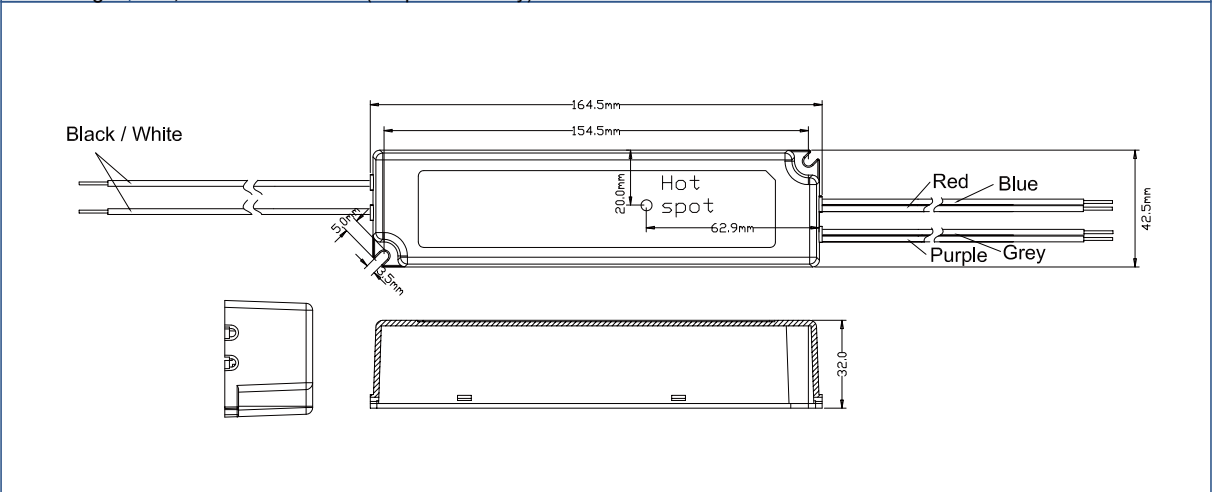
UL/cUL	UL 8750, Class P, Type HL
CE	EN61347-1, EN61347-2-13
FCC, 47CFR Part 15	ANSI C63.4:2009 Class A (Non-consumer Limit)
EN61000-3-2	Harmonic Current Emissions Class C

PRODUCT SPECIFICATIONS								
Model Number	Max output power	Output Current	Output Voltage	OCV	Efficiency at 347V (Typ.)	Remote mounting distance (#22 AWG)	Class 2	
							US	Canada
LXHCD060S050PS	60W	500mA	60-120V	130V	88%	29 ft		
LXHCD060S060PS	60W	600mA	50-100V	108V	88%	24 ft		
LXHCD060S070PS	60W	700mA	43-86V	94V	88%	21 ft		
LXHCD060S080PS	60W	800mA	38-75V	82V	88%	18 ft		
LXHCD060S085PS	60W	850mA	35-71V	78V	88%	17 ft		
LXHCD060S090PS	60W	900mA	33-67V	73V	88%	16 ft		
LXHCD060S100PS	60W	1000mA	30-60V	66V	88%	14 ft	✓	
LXHCD060S110PS	60W	1100mA	27-55V	61V	88%	13 ft	✓	
LXHCD060S120PS	60W	1200mA	25-50V	56V	88%	12 ft	✓	
LXHCD060S130PS	60W	1300mA	23-46V	52V	88%	11 ft	✓	
LXHCD060S140PS	60W	1400mA	21-43V	48V	88%	10 ft	✓	
LXHCD060S150PS	60W	1500mA	20-40V	45V	88%	9 ft	✓	✓
LXHCD060S160PS	60W	1600mA	19-38V	43V	88%	9 ft	✓	✓
LXHCD060S170PS	60W	1700mA	18-35V	40V	88%	8 ft	✓	✓
LXHCD060S180PS	60W	1800mA	17-33V	38V	88%	8 ft	✓	✓
LXHCD060S190PS	60W	1900mA	16-32V	37V	88%	7 ft	✓	✓
LXHCD060S200PS	60W	2000mA	15-30V	35V	88%	7 ft	✓	✓
LXHCD060S210PS	60W	2100mA	14-29V	34V	88%	7 ft	✓	✓
LXHCD060S220PS	60W	2200mA	14-27V	32V	88%	6 ft	✓	✓
LXHCD060S230PS	60W	2300mA	13-26V	30V	88%	6 ft	✓	✓
LXHCD060S240PS	60W	2400mA	13-25V	28V	88%	6 ft	✓	✓
LXHCD060S250PS	60W	2500mA	12-24V	26V	88%	5 ft	✓	✓

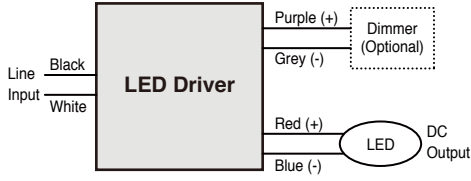
PHYSICAL DIMENSIONS	
Length (L):	6.48" (165.5mm)
Width (W):	1.67" (42.5mm)
Height (H):	1.26" (32mm)
Mounting (M):	6.08" (154.5mm)

PACKAGING	
0.35kg / unit ; 40pcs / carton ; 1,200pcs / pallet	
Carton size:	500 x 245 x 155 mm
Carton weight:	15 kg
Case Material:	Plastic

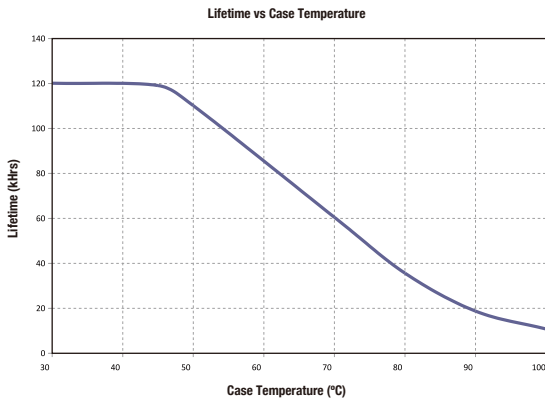
WIRE SPECIFICATIONS	
Input:	12", UL 1316 #18AWG (Black and White)
Output:	12", UL 1569 #18AWG (With Non-Class 2 Output) 12", UL 1430 #20AWG (With Class 2 Output) (Red and Blue)
Dimming:	12", UL 1430 #22AWG (Purple and Grey)



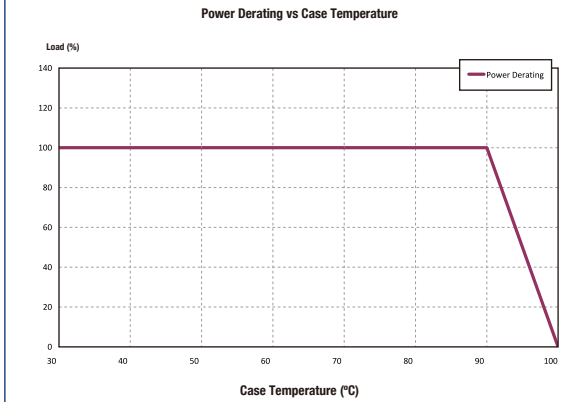
### WIRING DIAGRAM



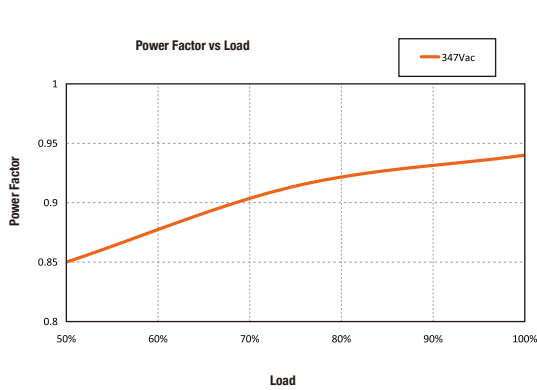
### LIFETIME vs CASE TEMPERATURE



### POWER DERATING vs CASE TEMPERATURE



### POWER FACTOR vs LOAD



### EFFICIENCY vs LOAD

