

Constant current LED driver
Total power: 40W
Input voltage: 120 Vac \pm 10%
Number of outputs: One
UL 8750
IP20 or IP66 design
Dimmable with trailing edge dimmer
5 year warranty



ELECTRICAL SPECIFICATIONS

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 120 input with 80~100% load condition (for all output currents)
Load Regulation:	\pm 2%
Line Regulation:	\pm 1%
Voltage Tolerance:	\pm 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):	< 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 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.

ENVIRONMENTAL SPECIFICATIONS

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

SAFETY AND EMC COMPLIANCE

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

PRODUCT SPECIFICATIONS

Model Number	Max output power	Output Current	Output Voltage	OCV	Efficiency at 120V (Typ.)	Efficiency at 240V (Typ.)	Efficiency at 277V (Typ.)	Remote mounting distance (#18 AWG)	Class 2	
									US	Canada
LXLCT040S035PS	40W	350mA	38 - 126V	138V	87%	87%	87%	109 ft		
LXLCT040S040PS	40W	400mA	33 - 100V	110V	87%	87%	87%	96 ft		
LXLCT040S050PS	40W	500mA	27 - 80V	90V	86%	87%	87%	76 ft		
LXLCT040S060PS	40W	600mA	22 - 67V	75V	86%	87%	87%	64 ft		
LXLCT040S070PS	40W	700mA	19 - 57V	63V	86%	86%	86%	54 ft	✓	
LXLCT040S080PS	40W	800mA	17 - 50V	55V	86%	86%	86%	48 ft	✓	
LXLCT040S090PS	40W	900mA	15 - 44V	48V	86%	86%	86%	42 ft	✓	
LXLCT040S100PS	40W	1000mA	13 - 40V	44V	86%	86%	86%	38 ft	✓	✓
LXLCT040S110PS	40W	1100mA	12 - 36V	40V	85%	86%	86%	34 ft	✓	✓
LXLCT040S120PS	40W	1200mA	11 - 33V	37V	85%	86%	86%	32 ft	✓	✓
LXLCT040S130PS	40W	1300mA	11 - 31V	35V	85%	86%	86%	29 ft	✓	✓
LXLCT040S140PS	40W	1400mA	10 - 29V	33V	85%	86%	86%	27 ft	✓	✓
LXLCT040S150PS	40W	1500mA	9 - 27V	31V	85%	86%	86%	25 ft	✓	✓
LXLCT040S160PS	40W	1600mA	9 - 25V	29V	85%	86%	86%	24 ft	✓	✓
LXLCT040S167PS	40W	1670mA	8 - 24V	28V	85%	86%	86%	23 ft	✓	✓
LXLCT040S170PS	40W	1700mA	8 - 24V	28V	85%	86%	86%	22 ft	✓	✓
LXLCT040S180PS	40W	1800mA	8 - 22V	26V	85%	86%	86%	21 ft	✓	✓
LXLTC040S190PS	40W	1900mA	7 - 21V	25V	85%	86%	86%	20 ft	✓	✓
LXLTC040S200PS	40W	2000mA	7 - 20V	24V	85%	86%	86%	19 ft	✓	✓

PHYSICAL DIMENSIONS

Length (L):	3.76" (95.5mm)
Width (W):	2.81" (71.5mm)
Height (H):	1.26" (32mm)
Mounting (M):	3.34" (85mm)

PACKAGING

0.31kg / unit ; 40pcs / carton ; 1,600pcs / pallet

Carton size: 410 x 230 x 190 mm

Carton weight: 13 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 #22AWG (With Class 2 Output) (Red and Blue)



