

FEATURES

100W Constant Current LED Driver

LXLCT100 Series

- Input Voltage 120Vac (+/-10%)
- Total Power 100W
- Number of outputs: One
- 5 year warranty
- UL 8750
- IP67 Design for wet location
- Dimmable with leading / trailing edge dimmer



SPECIFICATIONS

Model #	Output Current ±5%	Output Voltage Range	OCV	Remote mounting distance (#18 AWG)	Efficiency (Typ.)
					240VAC
LXLCT100S130ST	1300mA	26~77V	80V	29ft	87%
LXLCT100S200ST	2000mA	16~48V	50V	19ft	87%
LXLCT100S416ST	4160mA	8~24V	29V	9ft	84%

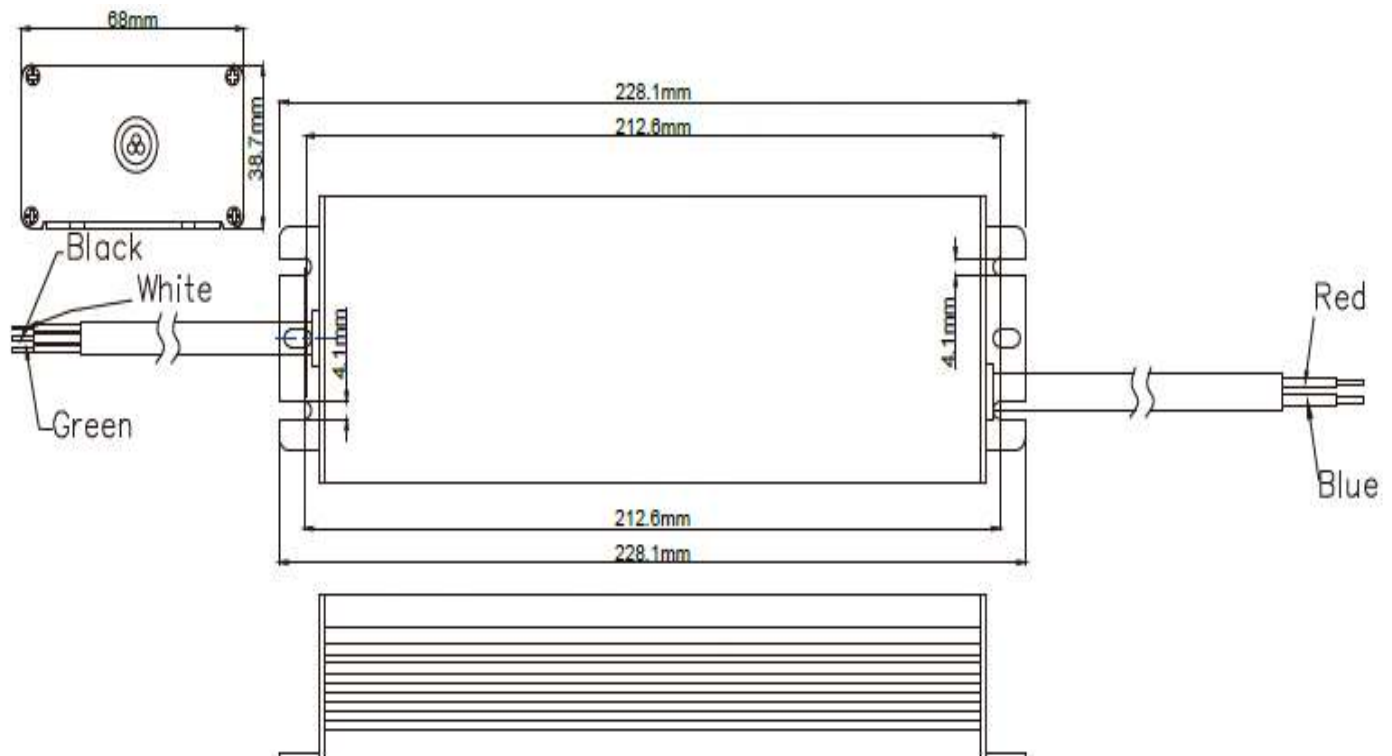
Output	Voltage Tolerance	±5% at full load condition
	Line Regulation	±1%
	Load Regulation	±2%
	No Load power Consumption	<1W
	Over Shoot	<10% at full load condition
	Ripple Noise	<3% (pk-pk)
	Turn-on Delay Time	<.75s at full load condition
Leakage Current	Maximum 0.5mA at 120Vac, 60Hz Input	
Input	Voltage Range	120Vac ±10%
	Frequency Range	60Hz
	Inrush Current	20A @ 120V
	Power Factor	>0.9 under 120Vac input with 80~100% load condition(for all output voltage)
	AC Current (Max.)	1.04A @120V
THD	<20% under 120Vac input with 80~100% load condition(for all output voltage)	
Protections	Short Circuit Protection	Hiccup mode. Protection will trigger when short circuit 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.
	Over Voltage	Hiccup mode. Protection will trigger when load voltage exceed specified output voltage and will auto recover after the fault mode is removed.
	Withstand Voltage	Input to Output, 2,800Vdc, 2mA

Environmental	Temperature Range	Operational	- 40 ~ 60°C	
		Storage	- 40 ~ 85°C	
	Humidity	5 ~ 95% RH		
	Case Temperature (Max.)	90°C		
Safety & EMC	Safety Standards	UL8750 Pending EN61347-1, EN61347-2-13		
	EMS Immunity	EN61000-3-2, FCC, 47CFR Part 15 ANSI C63.4: 2009 Class c		
Others	MTBF	TBD		
	Life Time	85,000 hours at 120Vac input, 100% load and 60°C case temperature		
	Dimensions	(L*W*H) 8.98 *2.68*1.52 inches & 8.37" M (L*W*H) 228*68*39 mm & 213mm M		
	Weight	1.00 kg		
	Packaging	1.00kg / UNIT ; 15pcs / carton ; 540pcs / pallet		
		Carton size	445 x 310 x 142 mm	
Carton weight		16kg		
Case Material		Aluminum		

Notes:

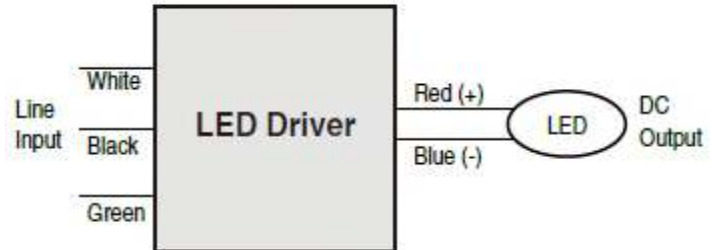
1. Non-Class 2 output (USR & CNR).
2. Class 2 output (USR), Non- Class 2 output (CNR).
3. Class 2 output (USR & CNR).

Mechanical Specification



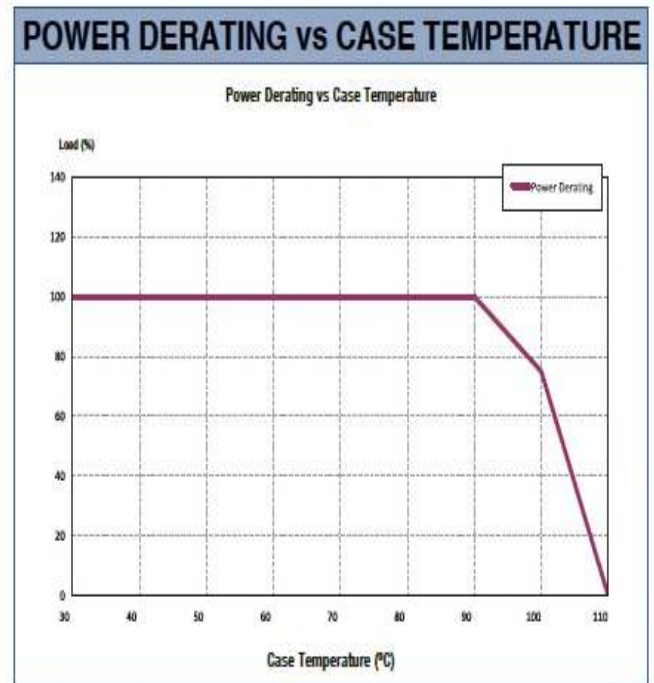
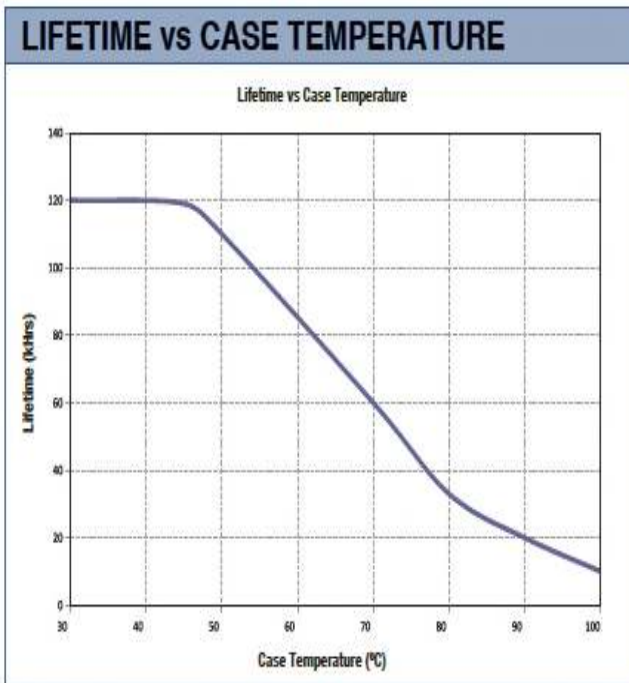
Wire Specification

Wire Specification	
Input	12", UL 1569 #18AWG (Black and White) x3C
Output	12", UL 1430 #22AWG (Red and Blue) X2C

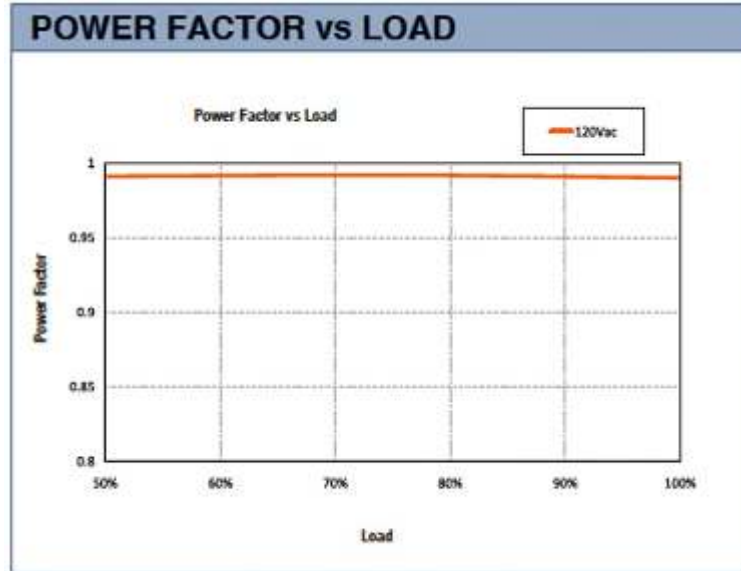


Derating Curves

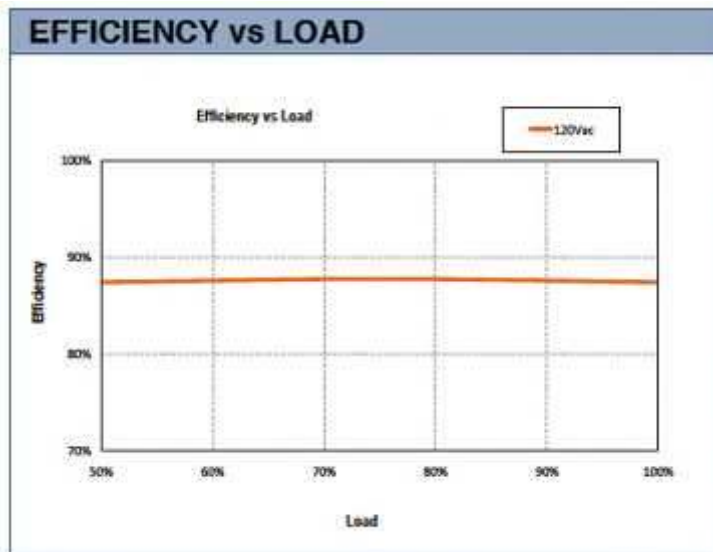
Life Time vs. Case Temperature Curve



Power Factor Characters



Efficiency vs Load



PART NUMBER SCHEME

LXLCT100SxxxST

LX=LED Driver Series

L= Input Voltage 120VAC

C= Constant Current

T= Triac Dimming

100= Output Power (60 Watts)

T= Class I, 3 Wire Input

S= Metal Case

XXX= Rated Current

S= Single Output

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. AUTEC IS NOT RESPONSIBLE FOR ISSUES ARISING FROM ERRORS OR OMISSIONS.