

■ Features

- Power Rating: 200W
- Input Voltage: 120-277Vac $\pm$ 10%
- Constant current design
- Fixed output current(450mA-3200mA)
- Efficiency to 94%
- One 12Vdc aux
- Dimmable with 0-10V dimmer
- UL, Class P, Type HL
- OVP, OCP, SCP, and OTP
- IP67
- 5-year warranty
- Aluminum case



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

■ Application

- Indoor 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
LXWCD200S045ST*	120-277Vac $\pm$ 10%	200W	222-444V	450mA	450mA	92%@120V 93%@240V 94%@277V	-/-
LXWCD200S050ST*	120-277Vac $\pm$ 10%	200W	200-400V	500mA	500mA	92%@120V 93%@240V 94%@277V	-/-
LXWCD200S060ST*	120-277Vac $\pm$ 10%	200W	167-333V	600mA	600mA	92%@120V 93%@240V 94%@277V	-/-
LXWCD200S070ST*	120-277Vac $\pm$ 10%	200W	143-286V	700mA	700mA	92%@120V 93%@240V 94%@277V	-/-
LXWCD200S080ST*	120-277Vac $\pm$ 10%	200W	125-250V	800mA	800mA	92%@120V 93%@240V 94%@277V	-/-
LXWCD200S090ST*	120-277Vac $\pm$ 10%	200W	111-222V	900mA	900mA	92%@120V 93%@240V 94%@277V	-/-
LXWCD200S100ST*	120-277Vac $\pm$ 10%	200W	100-200V	1000mA	1000mA	91%@120V 92%@240V 93%@277V	-/-
LXWCD200S110ST*	120-277Vac $\pm$ 10%	200W	91-182V	1100mA	1100mA	91%@120V 92%@240V 93%@277V	-/-

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200W, 120-277Vac Input, Constant Current LED Driver

Model Number	Input Voltage Range	Output Power	Output Voltage	Output Current Min.	Output Current Max.	Efficiency	Certification
LXWCD200S120ST*	120-277Vac $\pm$ 10%	200W	83-167V	1200mA	1200mA	91%@120V 92%@240V 93%@277V	-/-
LXWCD200S130ST*	120-277Vac $\pm$ 10%	200W	77-154V	1300mA	1300mA	91%@120V 92%@240V 93%@277V	-/-
LXWCD200S140ST*	120-277Vac $\pm$ 10%	200W	71-143V	1400mA	1400mA	91%@120V 92%@240V 93%@277V	-/-
LXWCD200S150ST*	120-277Vac $\pm$ 10%	200W	67-133V	1500mA	1500mA	90%@120V 91%@240V 92%@277V	-/-
LXWCD200S160ST*	120-277Vac $\pm$ 10%	200W	63-125V	1600mA	1600mA	90%@120V 91%@240V 92%@277V	-/-
LXWCD200S170ST*	120-277Vac $\pm$ 10%	200W	59-118V	1700mA	1700mA	90%@120V 91%@240V 92%@277V	-/-
LXWCD200S180ST*	120-277Vac $\pm$ 10%	200W	56-111V	1800mA	1800mA	90%@120V 91%@240V 92%@277V	-/-
LXWCD200S190ST*	120-277Vac $\pm$ 10%	200W	53-105V	1900mA	1900mA	90%@120V 91%@240V 92%@277V	-/-
LXWCD200S200ST*	120-277Vac $\pm$ 10%	200W	50-100V	2000mA	2000mA	90%@120V 91%@240V 92%@277V	-/-
LXWCD200S210ST*	120-277Vac $\pm$ 10%	200W	48-95V	2100mA	2100mA	90%@120V 91%@240V 92%@277V	-/-
LXWCD200S220ST*	120-277Vac $\pm$ 10%	200W	45-91V	2200mA	2200mA	90%@120V 91%@240V 92%@277V	-/-
LXWCD200S230ST*	120-277Vac $\pm$ 10%	200W	43-87V	2300mA	2300mA	90%@120V 91%@240V 92%@277V	-/-
LXWCD200S240ST*	120-277Vac $\pm$ 10%	200W	42-83V	2400mA	2400mA	90%@120V 91%@240V 92%@277V	-/-
LXWCD200S250ST*	120-277Vac $\pm$ 10%	200W	40-80V	2500mA	2500mA	90%@120V 91%@240V 92%@277V	-/-
LXWCD200S260ST*	120-277Vac $\pm$ 10%	200W	38-77V	2600mA	2600mA	89%@120V 90%@240V 91%@277V	-/-
LXWCD200S270ST*	120-277Vac $\pm$ 10%	200W	37-74V	2700mA	2700mA	89%@120V 90%@240V 91%@277V	-/-

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Model Number	Input Voltage Range	Output Power	Output Voltage	Output Current Min.	Output Current Max.	Efficiency	Certification
LXWCD200S280ST*	120-277Vac $\pm$ 10%	200W	36-71V	2800mA	2800mA	89%@120V 90%@240V 91%@277V	-/-
LXWCD200S290ST*	120-277Vac $\pm$ 10%	200W	34-69V	2900mA	2900mA	89%@120V 90%@240V 91%@277V	-/-
LXWCD200S300ST*	120-277Vac $\pm$ 10%	200W	33-67V	3000mA	3000mA	89%@120V 90%@240V 91%@277V	-/-
LXWCD200S310ST*	120-277Vac $\pm$ 10%	200W	32-65V	3100mA	3100mA	89%@120V 90%@240V 91%@277V	-/-
LXWCD200S320ST*	120-277Vac $\pm$ 10%	200W	31-63V	3200mA	3200mA	89%@120V 90%@240V 91%@277V	-/-

*=Class P

■ Technical Data

Input voltage range	120-277Vac $\pm$ 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	2.20A @120V, 1.09A @240V and 0.94A @277V
THD	<20% under 120-277Vac 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	<1s at full load condition
Overshoot	< 10% at full load condition
No load power consumption	< 2W
Ripple & Noise (pk-pk)	< 3%
Withstand voltage	Input to output, 2,800Vdc, 2mA
Leakage current	Maximum 0.5mA at 277Vac, 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 an aut-recovery when cooled down.
Operating temperature	-40 to 60°C
Storage temperature	-40 to 85°C
Humidity	5% to 95%
MTBF	126,000 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)	9.81" (249mm)
Width (W)	2.68" (68mm)
Height (H)	1.52" (39mm)
Mounting (M)	9.20" (234mm)
Weight	1.2kg
Packaging	1.2kg /unit; 15pcs /carton; 540pcs / pallet

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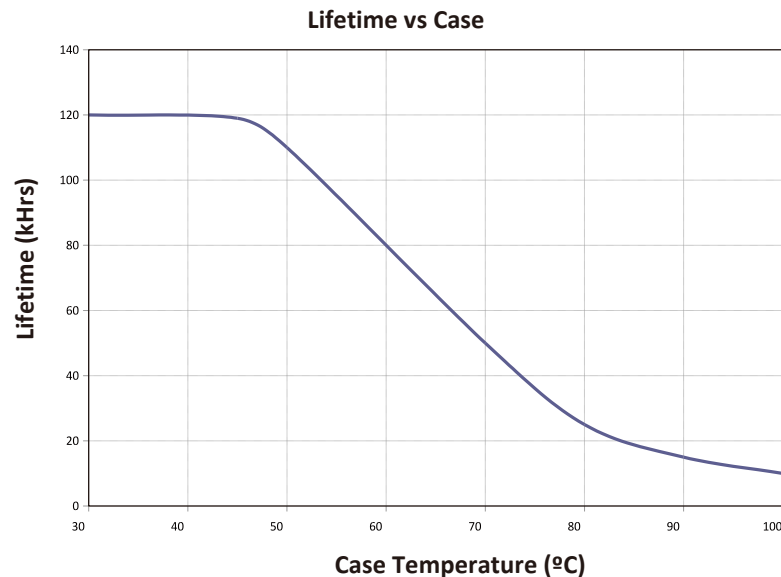
■ Safety Compliance

UL/cUL	UL 8750, Class P, Type HL
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

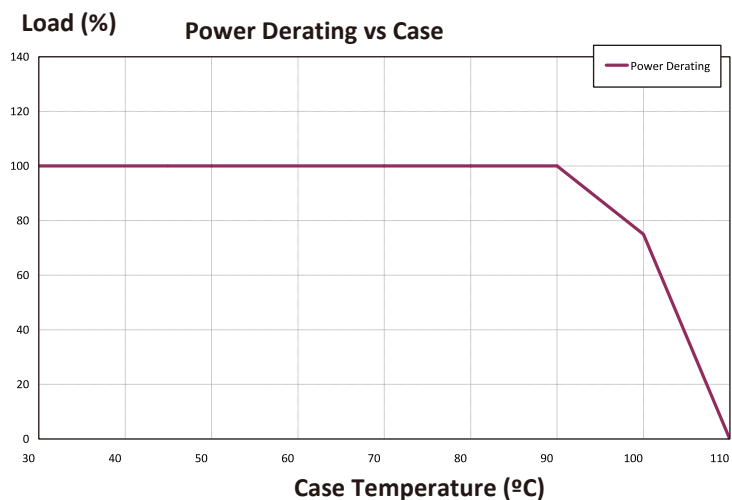
Disclaimer:

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.

■ Lifetime vs Case Temperature



■ Power Derating vs Case Temperature

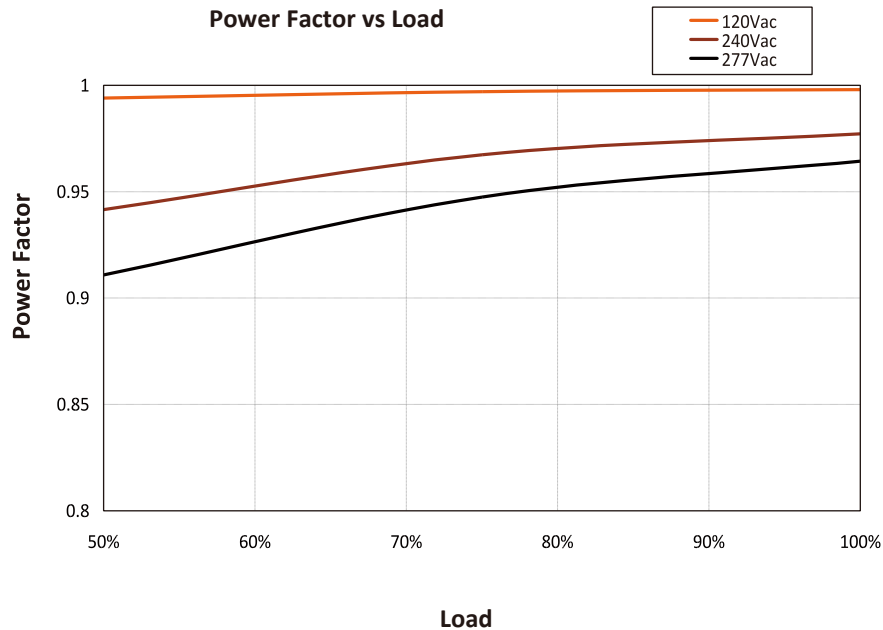


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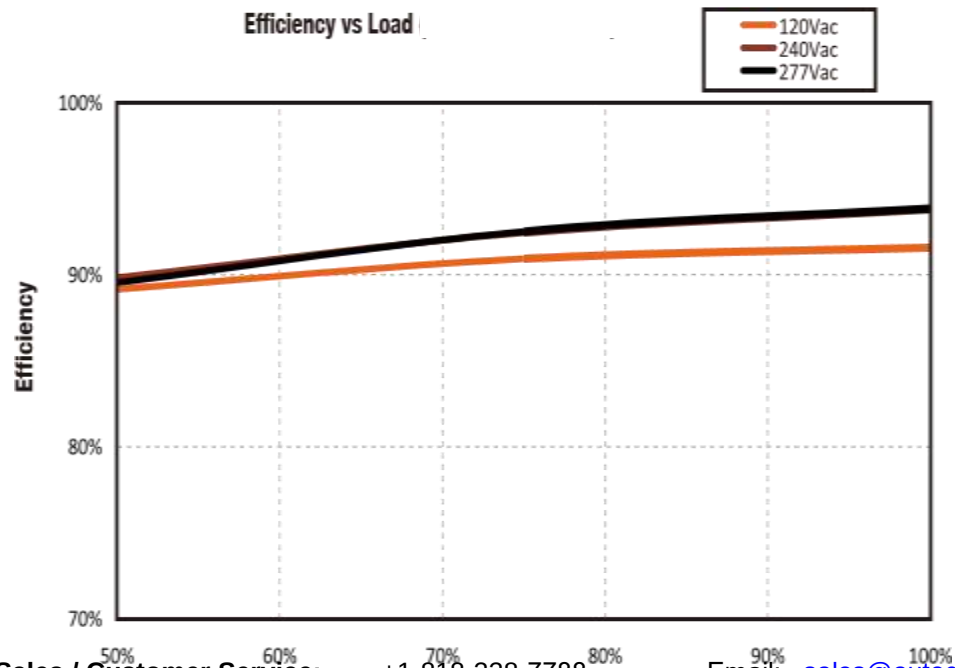
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■ Power Factor vs Load



■ Efficiency vs Load

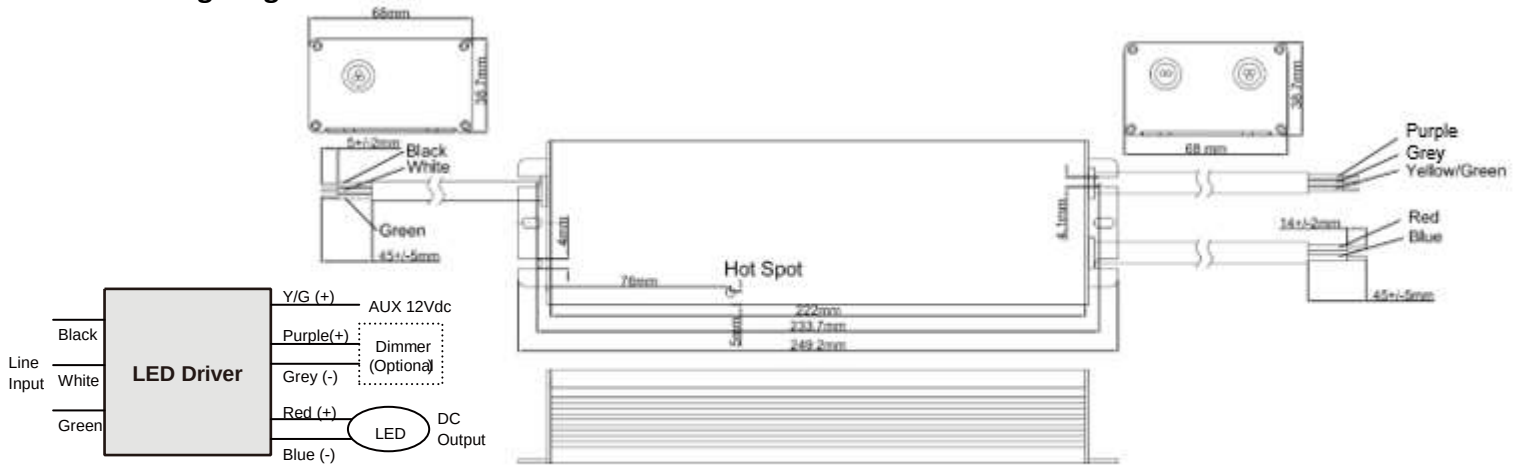


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■ **Wiring Diagram**

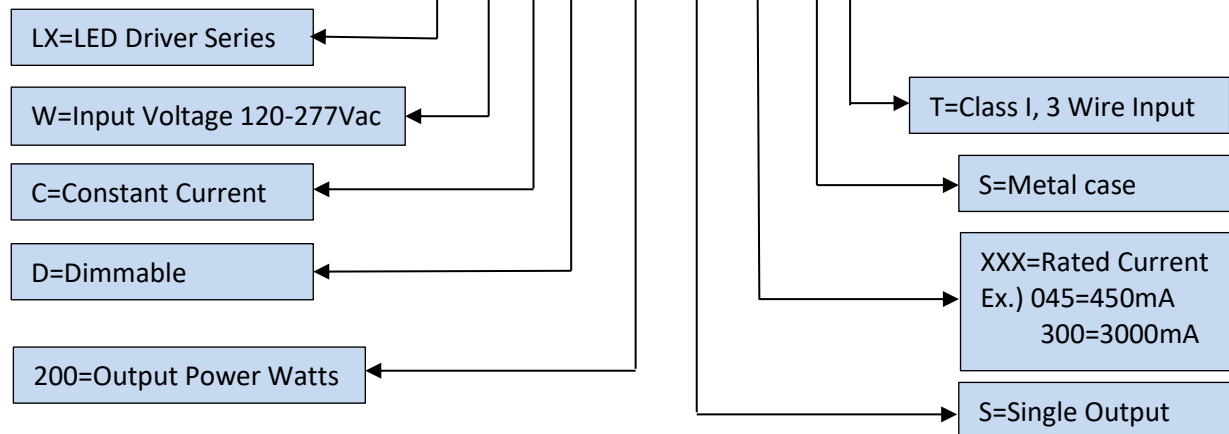


Wire Specifications

Input	12", UL 1316 #18AWG (Black, White, and Green)
Output	12", UL 1316/1430 #22AWG (with Class 2 output) (Red and Blue)
Dimming	12", UL 1316/1430 #22AWG (Purple and Grey), 12Vdc Aux (Yellow)

Part Number Scheme

LX W C D 200 S XXX S T



*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.

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