

■ Features

- Power Rating: 30W
- Input Voltage: 120-277Vac
- Constant current design
- Programmable output currents (350mA-1050mA)
- Near Field Communication Programmability
- Bluetooth module input capability
- Auxiliary power: 12Vdc, 200mA max
- Dim-to-off
- Dimmable with 0-10V dimmer and down to 1% at maximum output current
- UL Class P, Type HL, Class 2 Output
- OVP, SCP, OTP & OCP
- IP20
- 5-year warranty



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

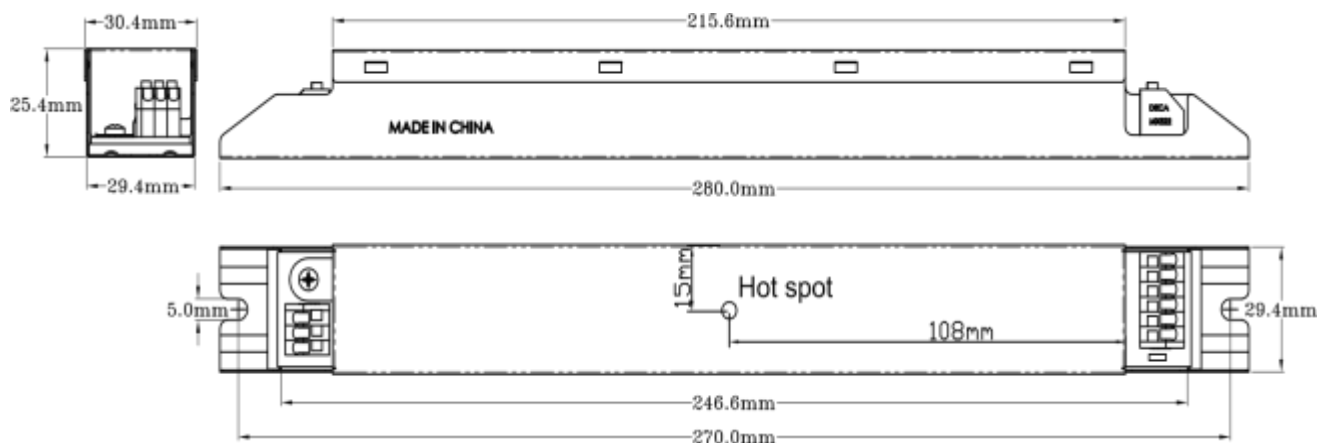
■ Application

- 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
LXWCP030S105ST-L	120~277Vac ± 10%	30W	10-56V	350mA	1050mA	87% @120V 86% @240V 86% @277V	UL/-

■ Wiring Diagram / Dimming



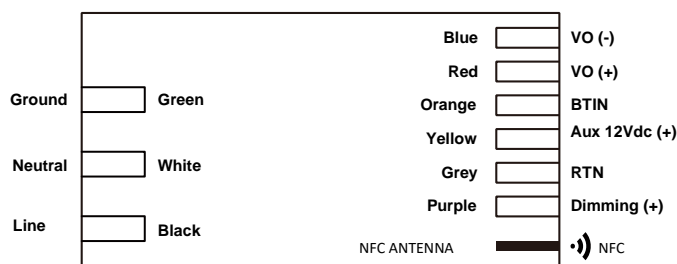
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June 14, 2019

1 / 7

■ Wiring Diagram(Cont.)



Wire Specifications	
Input	Terminal Block: (Black White and Green)
Output	Terminal Block: VO(+)(RED) and VO(-)(BLUE)
Dimming	Terminal Block: DIM(+) (PURPLE), RTN(-)(GREY), and Aux 12 Vdc (YELLOW)
Bluetooth	Terminal Block: Bluetooth module input BTIN (ORANGE)

■ 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	10A @120V
Max input current	0.36A @120V, 0.18A @240V and 0.16A @277V
THD	< 20% under 120~277Vac input with 80~100% load condition (for all output currents)
Load Regulation	\pm 2%
Line Regulation	\pm 1%
Current Tolerance	\pm 5% at full load condition, \pm 10% for Aux 12Vdc
Turn-on Delay Time	< 0.75s at full load condition
Overshoot	< 10% at full load condition
No Load Power Consumption	< 1.5W
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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June 14, 2019

2 / 7

■ Technical Data(Cont.)

Operating temperature	-20 to 50°C
Storage temperature	-40 to 85°C
Humidity	5% to 95%
MTBF	397,500 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)	11.02" (280mm)
Width (W)	1.20" (30.4mm)
Height (H)	1.00" (25.4mm)
Mounting (M)	10.63" (270mm)
Packing	0.3kg/unit; 40pcs/carton; 1800pcs/pallet

■ 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.

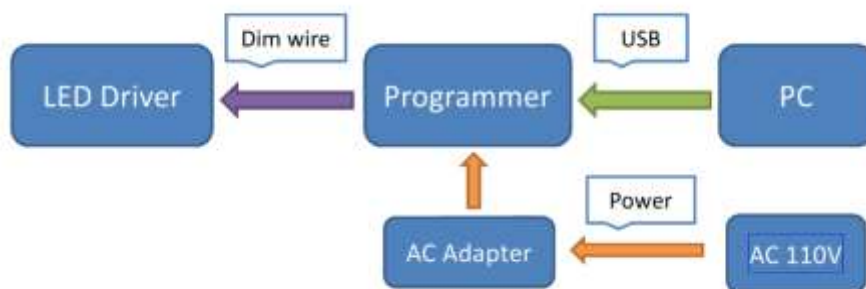
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June 14, 2019

3 / 7

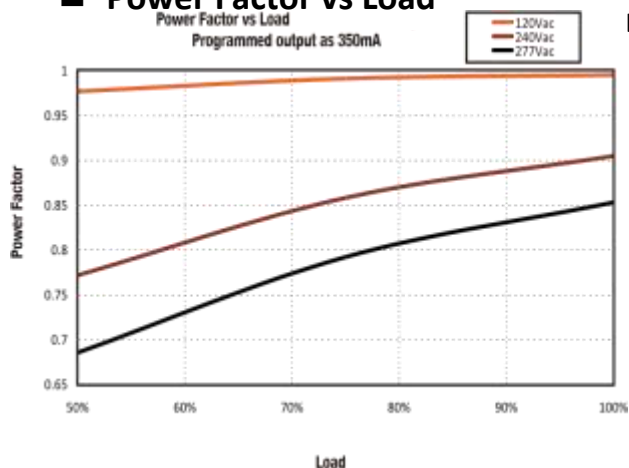
■ PC Programming Diagram



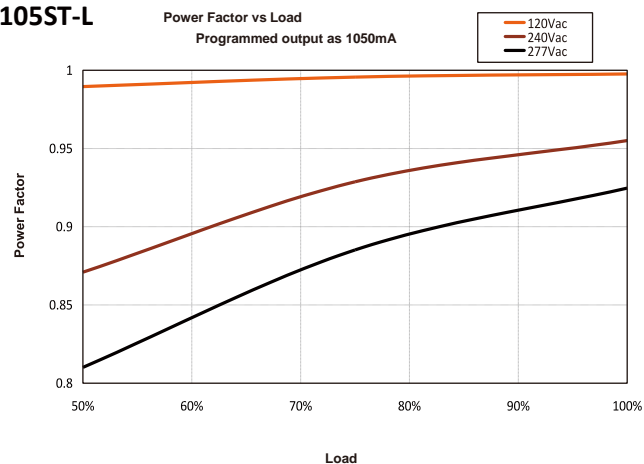
NOTES:

1. To set the desired output current, begin by installing the programming software on your PC and connect the programming module to your PC.
2. Next, connect the LED Driver to the programming module using the Dimming wires.
3. Please note an external power source is needed to provide power to the programming module.
4. Contact Autec Sales for current programming software and complete programming instructions.

■ Power Factor vs Load



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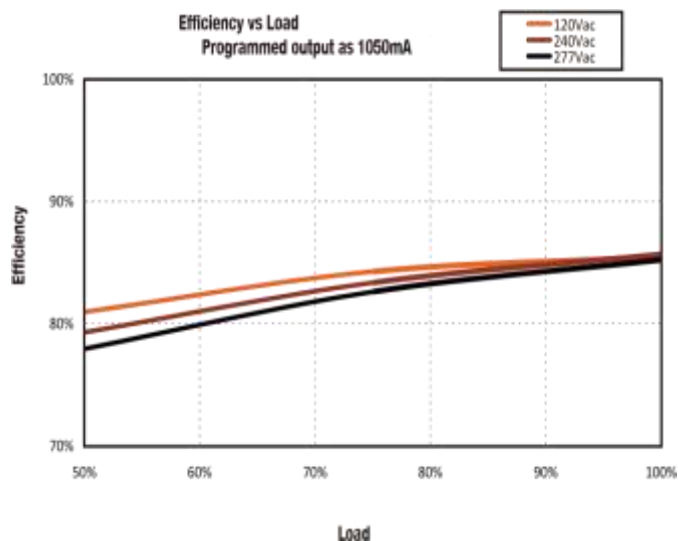
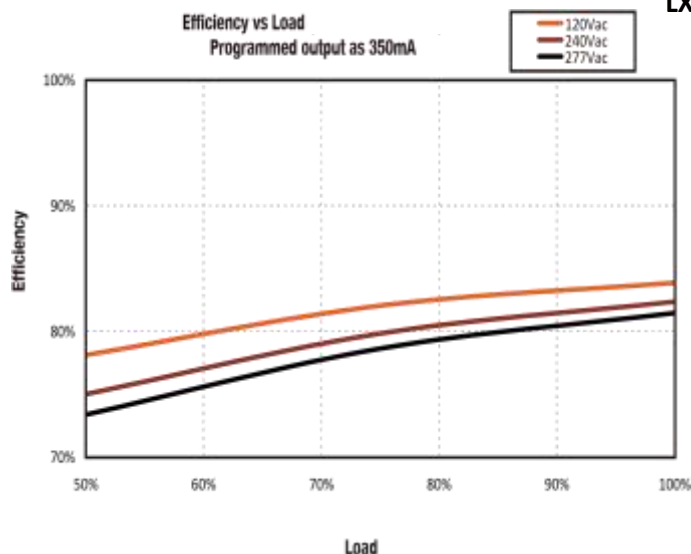
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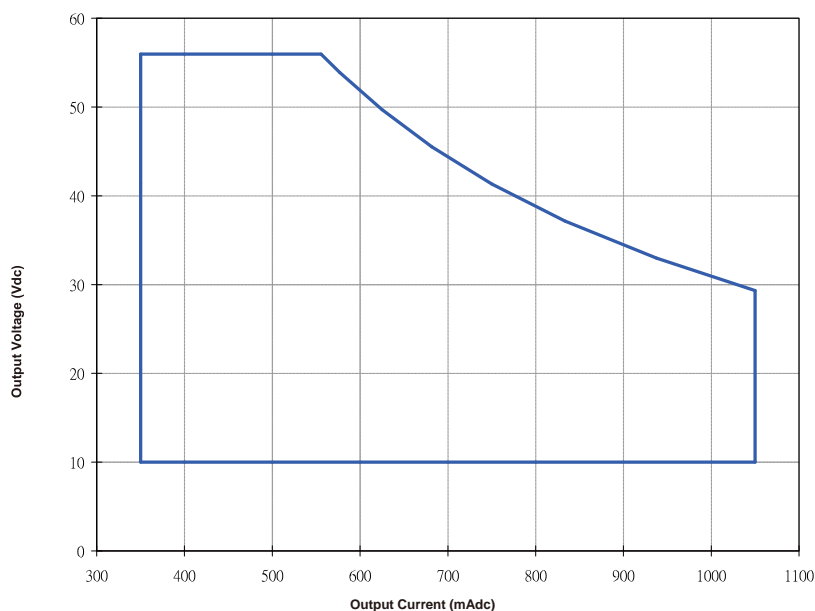
4 / 7

■ Efficiency vs Load

LXWCP030S105ST-L



■ LED Driver Output Window



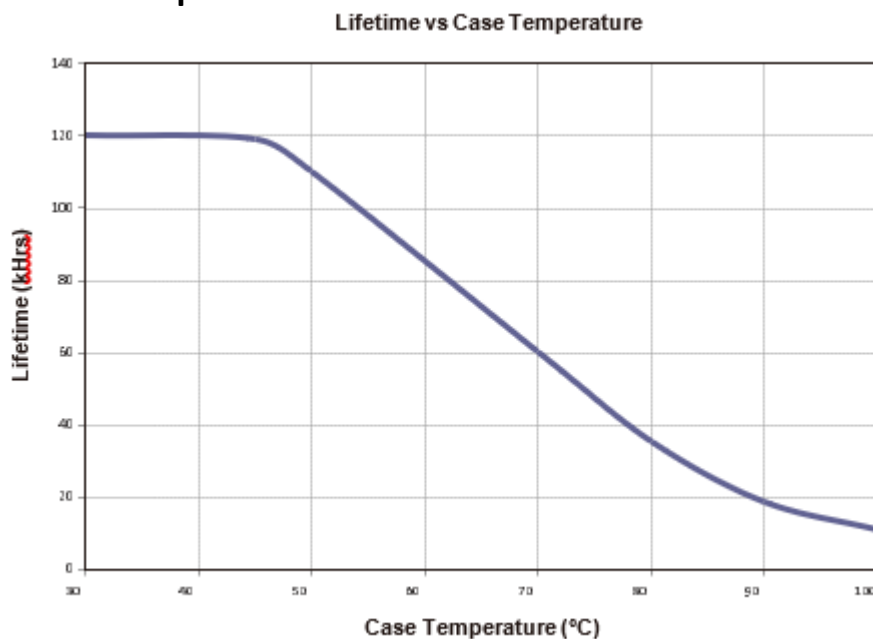
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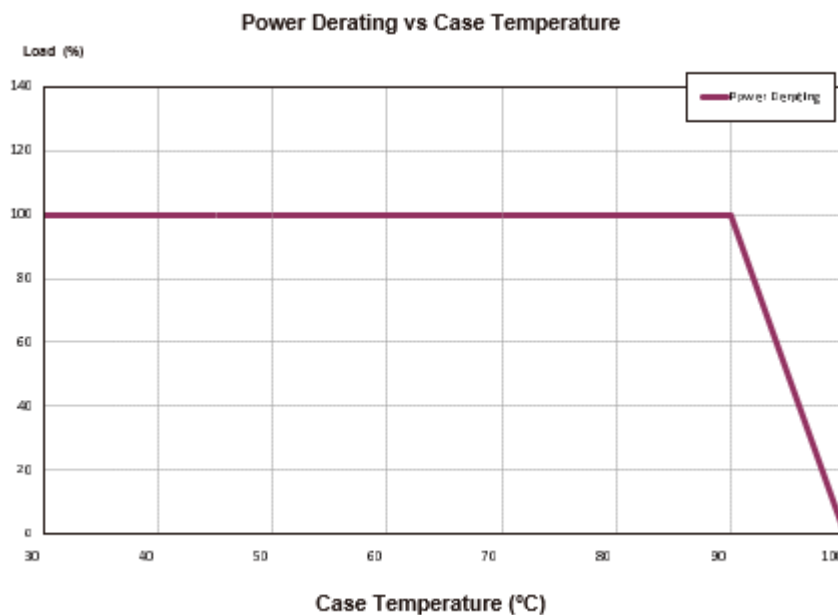
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5 / 7

■ Lifetime vs Case Temperature



■ Power Derating vs Case Temperature

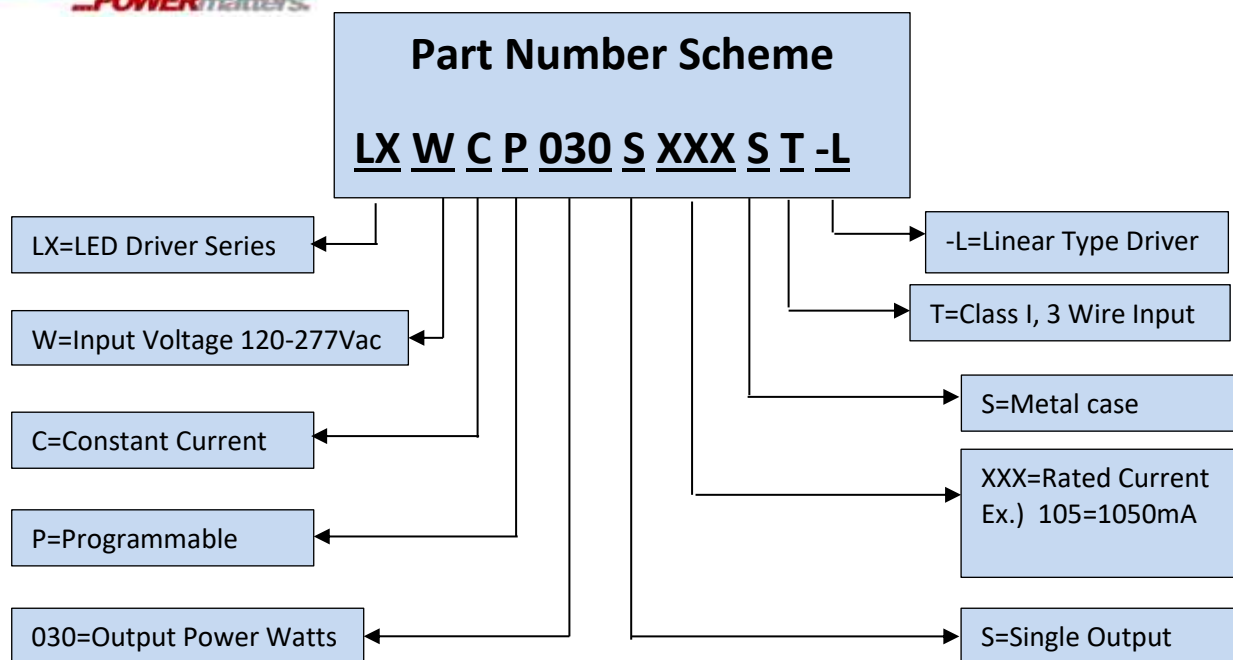


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6 / 7



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June 14, 2019

7 / 7