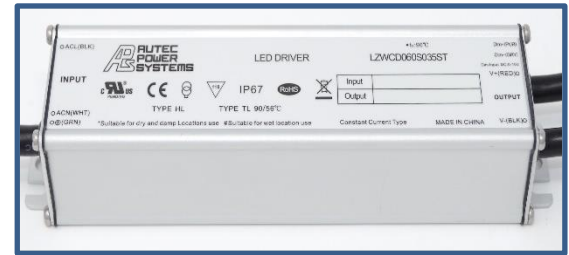


■ Features

- Power Rating: 60W
- Input Voltage: 100-277Vac
- Constant current design
- Fixed output current(350mA-2800mA)
- Dimmable 0-10V(optional)
- Efficiency to 90%
- UL Class 2 output options available
- OTP, SCP, OVP, and lightning protection
- IP67



IP67        

■ Technical Data(cont.)

Current Accuracy	±5%
Ripple current	Ip-p: 3% LED 60%-100% load
Turn-on Delay time	1.2s
Overshoot	10%Io
Over voltage protection	110%Vomax
Over temperature protection	Decrease output current until over temperature state is removed
Short circuit protection	Protection type: hiccup mode, recovers automatically after fault condition is removed
Operating temperature	-40 ~ 70°C;
Storage temperature	-40 ~ 85°C; 5%RH ~ 100%RH
Humidity operational	10% ~ 100%RH
Humidity storage	5% to 100%RH
MTBF	>320,000 hours @230Vac & 80% Load
Life rating	>50,000 hours
Maximum case Temperature	90°C
Length (L)	5.71" (145mm)
Width (W)	2.66" (67.5mm)
Height (H)	1.48" (37.5mm)
Weight	720g

Notes:

1. Unless specified, all the test results are measured in the 25°C ambient temperature.
2. The results vary according to different LED load characteristics.
3. Please confirm working conditions according to the derating curve of output power vs. input voltage and temperature. LED driver recommended for its intended use only, do not exceed data sheet specifications.
4. Refer to lifetime vs. Tc curve.
5. Contact Autec Sales for Tc Location.

■ Safety Compliance

Safety Category	Standard
UL 8750	Light Emitting Diode(LED) Equipment for Use in lighting Products
UL 1012	Power Unit Other Than Class 2
UL 1310	Class 2 Power Units
IEC 61347-1	Lamp Control Gear Part 1: General and Safety Requirements
IEC 61347-2-13	Lamp Control Gear Part 2-13: Particular Requirements for DC or AC Supplied Electronic Control Gear for LED Modules
EMI Standards	Notes
IEC 55015	Conducted emission test & Radiated emission test
IEC 61000-3-2	Harmonic current emissions; Class ($\geq 75\%$ load)
IEC61000-3-3	Voltage fluctuations & flicker
FCC Part 15	Class B
EMS Standards	Notes
IEC 61000-4-2	Electrostatic discharge (ESD)
IEC 61000-4-3	Radio frequency electromagnetic field susceptibility test (RS)
IEC 61000-4-4	Electrical fast transient (EFT)
IEC 61000-4-5	Surge immunity test L-N:2kV; LN-PE;4kV
IEC 61000-4-6	Conducted radio frequency disturbances test (CS)
IEC 61000-4-8	Power frequency magnetic field test
IEC 61000-4-11	Voltage dips
IEC 61547	Electromagnetic immunity requirements applies to lighting equipment

■ Dimming

Parameter	Min.	Typ.	Max.
Vcc	-	12V	-
Rin	-	51kOhm	-
Absolute maximum voltage range on the 0-10V input pin	-20V	-	20V
Dimming range	10%	-	100%

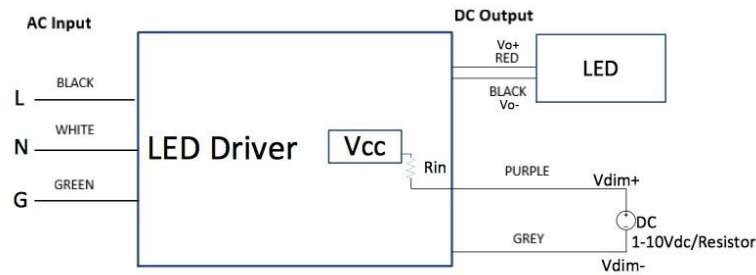
The dimmer control is operated from an input signal of 0-10Vdc. Recommended implementations are provided below.

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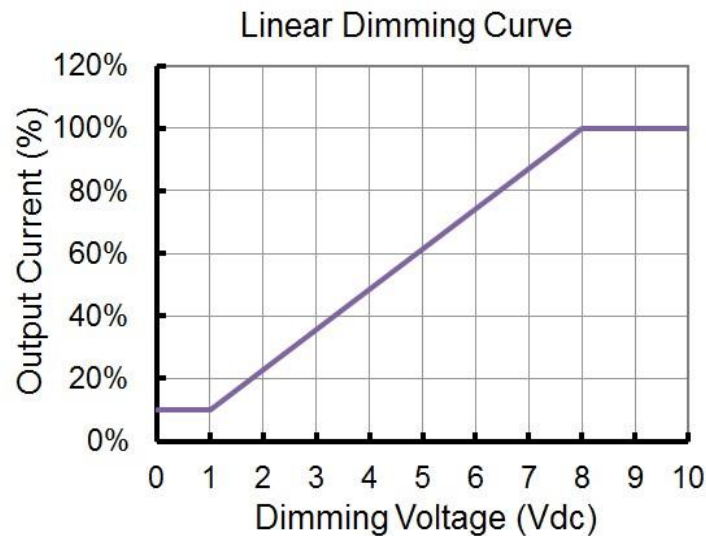
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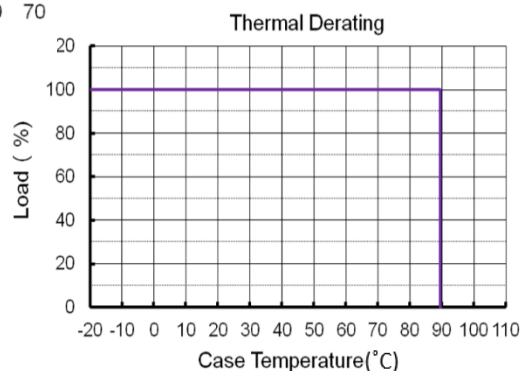
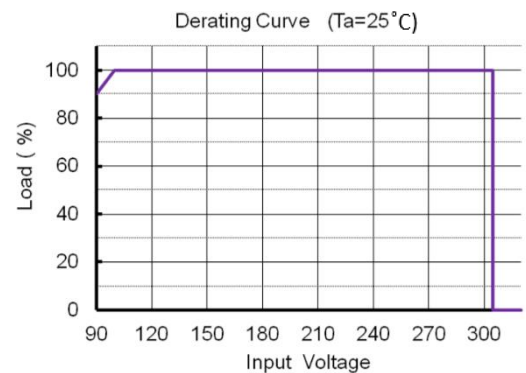
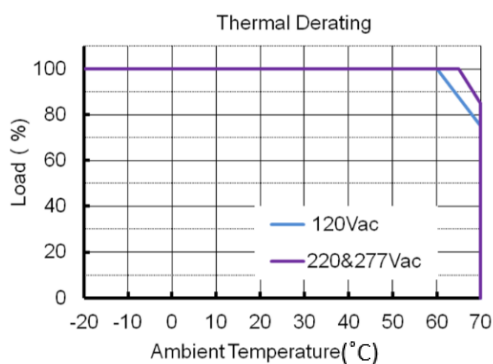
■ Wiring Diagram



■ Dimming Curve



■ Derating Curve

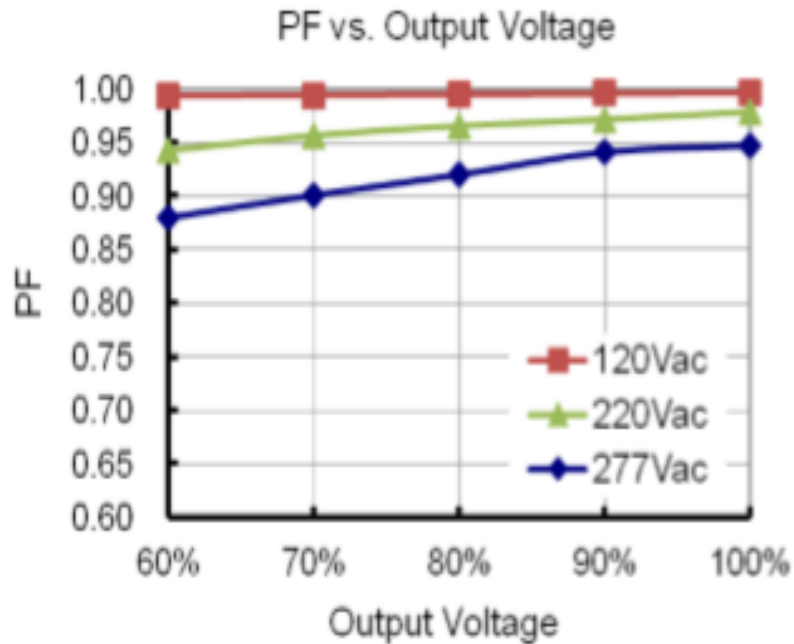


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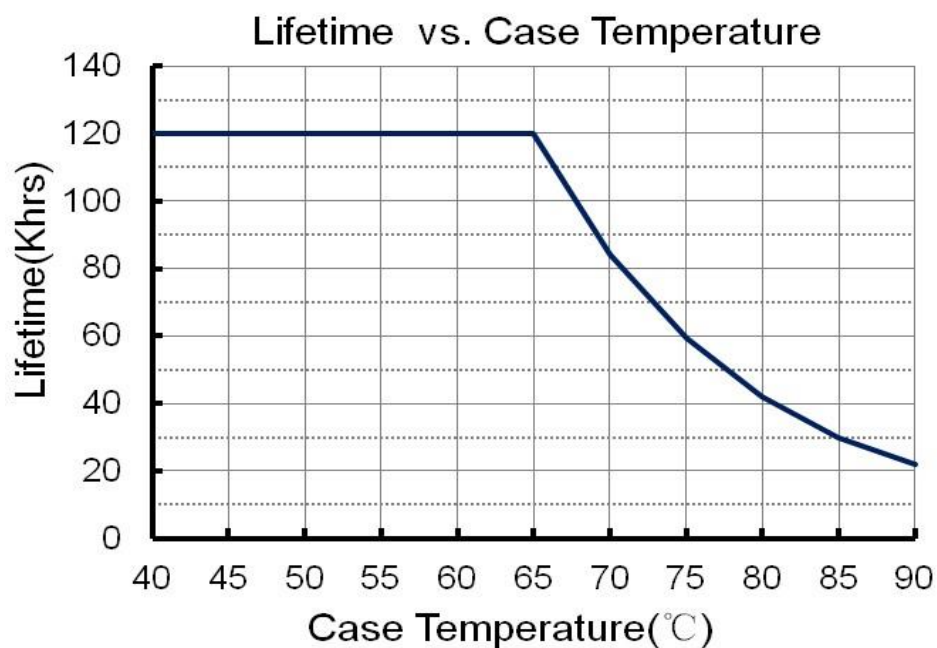
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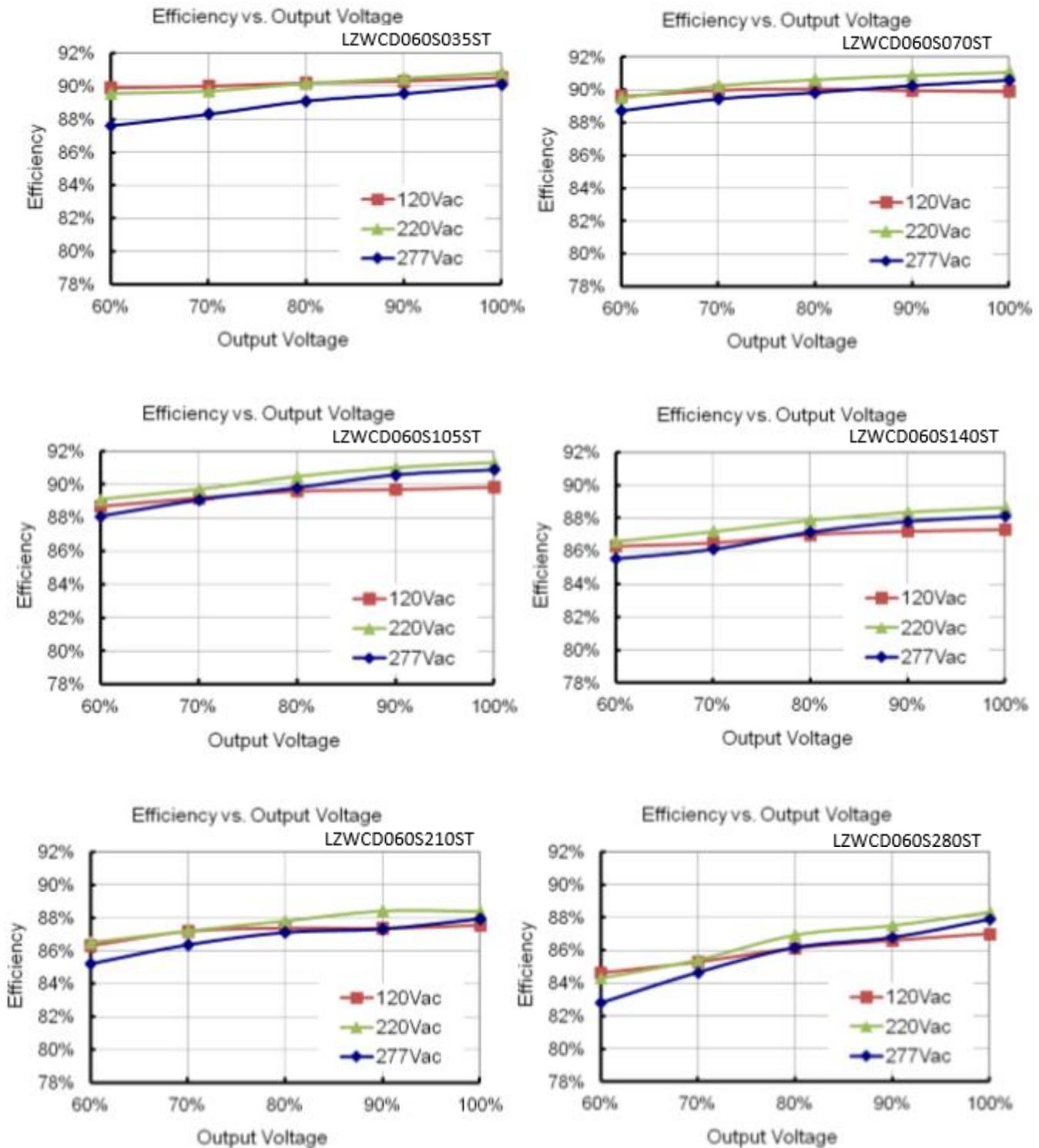
■ Power Factor vs Output Voltage



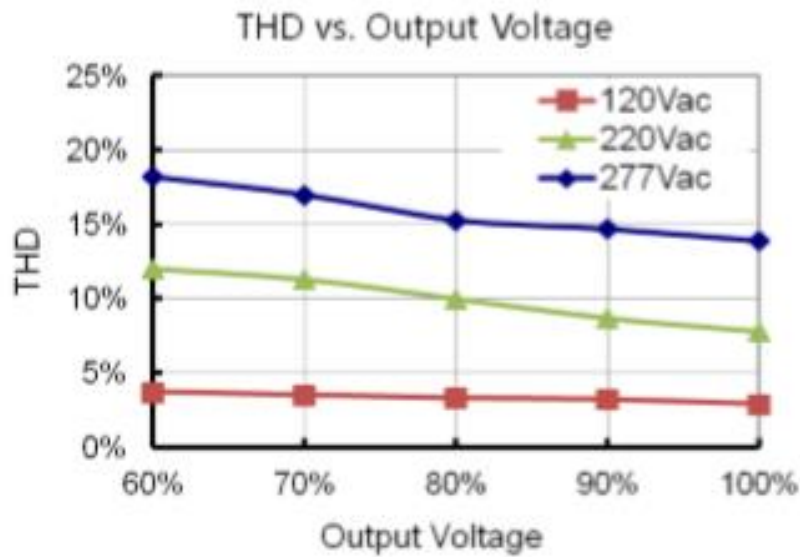
■ Lifetime vs Case Temperature



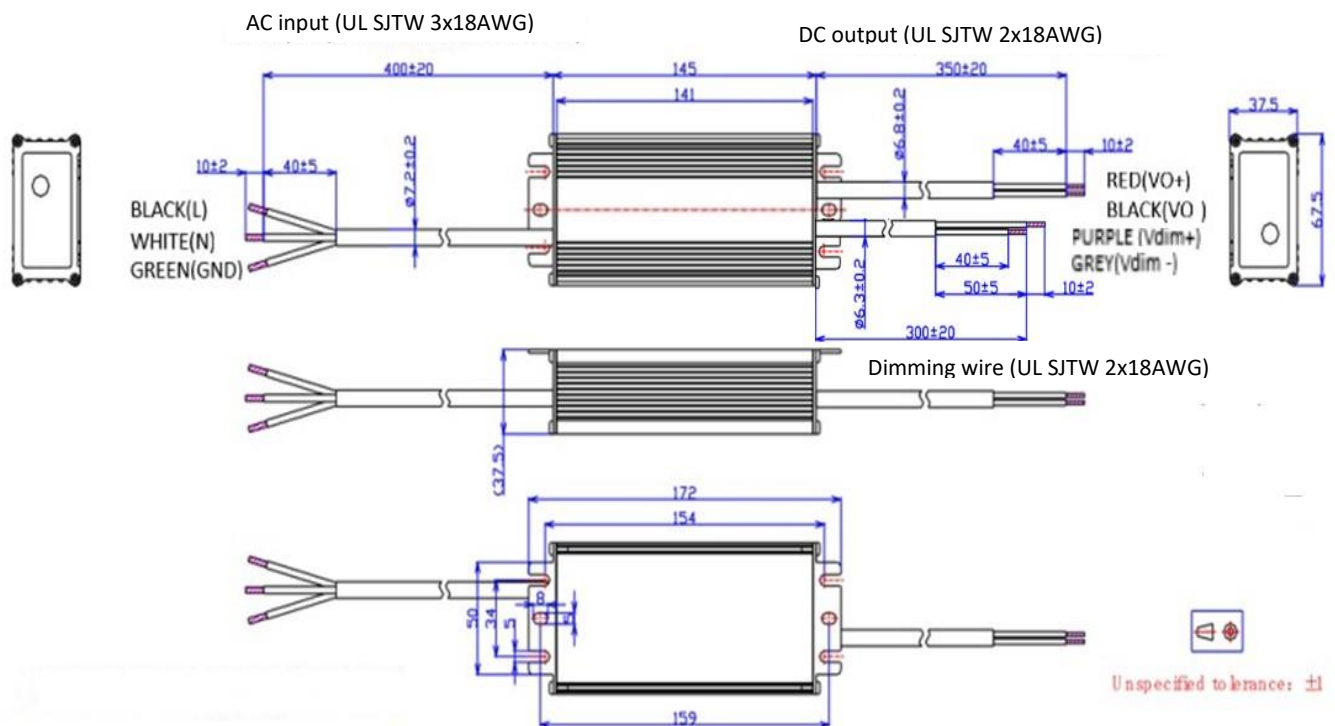
■ **Efficiency vs Output Voltage**



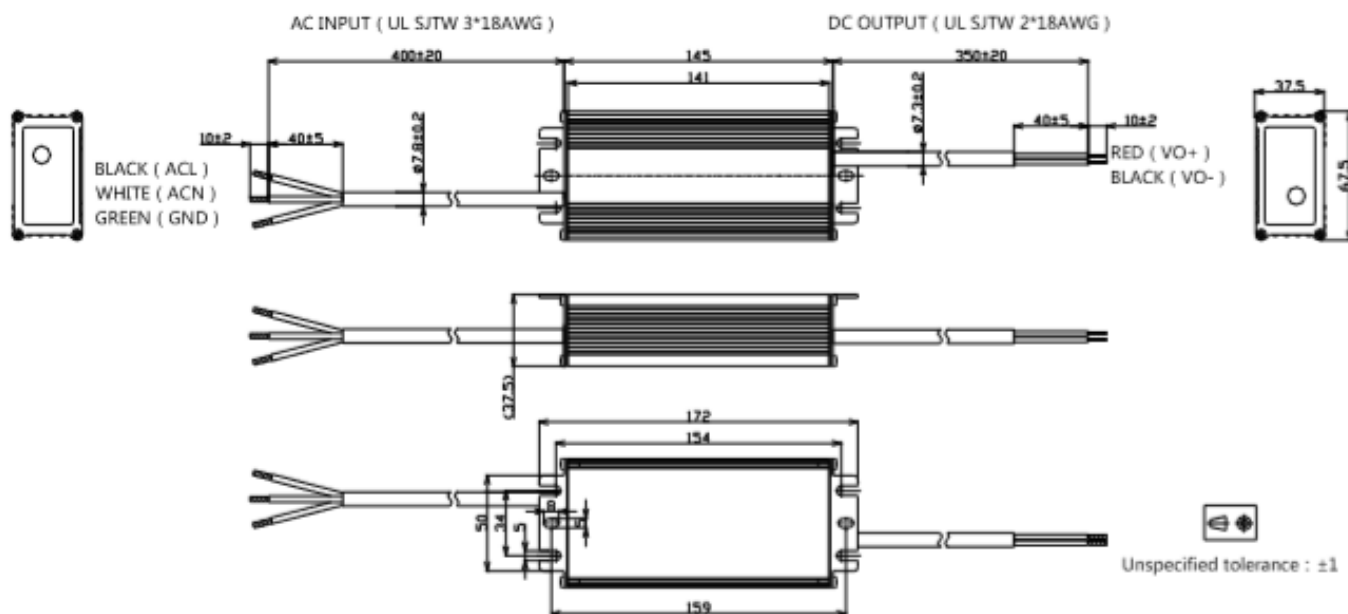
■ THD vs LOAD



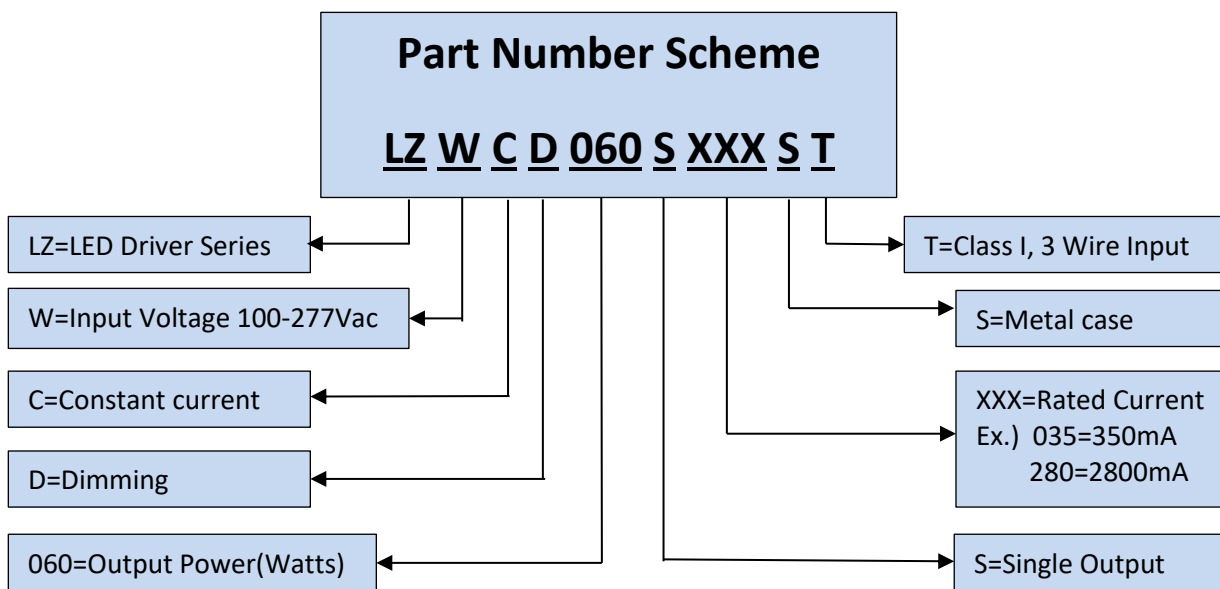
■ Mechanical Diagram Dimming



■ **Mechanical Diagram Non-dimming**



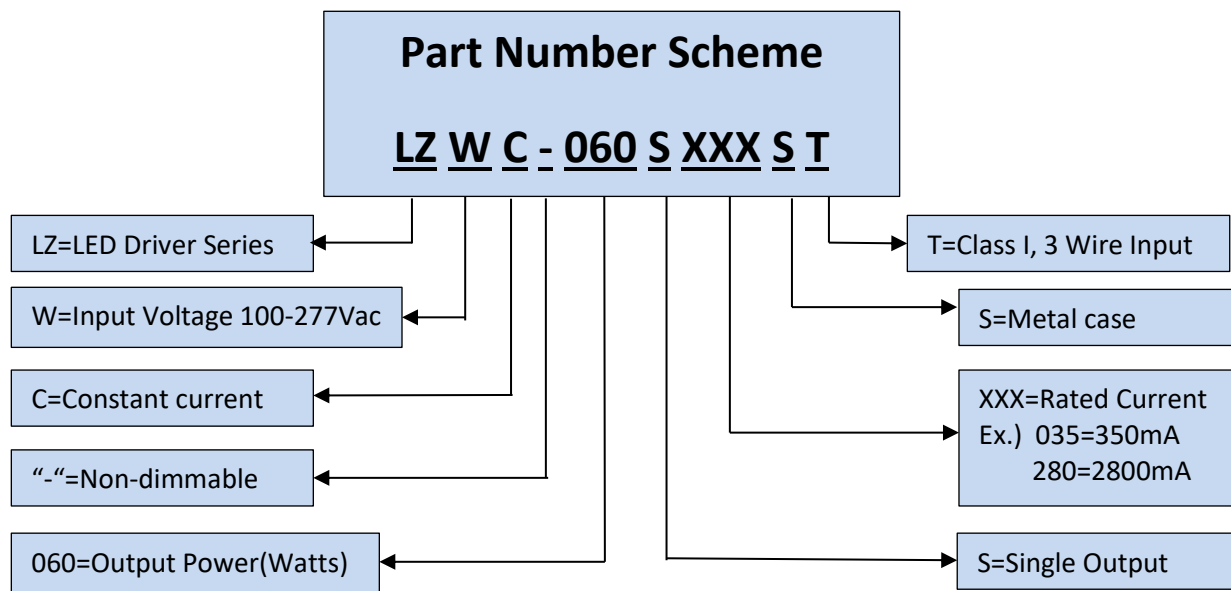
Note: Please make sure the output cable does not connect to dimming cable or the cables of other drivers until 20 seconds after being tested because of the remained voltage in the output capacitor.



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***Specifications are subject to change without notice. Autec is not responsible for issues arising from errors or omissions.**