

■ Features

- Power Rating: 20.8-31.2W
- Input Voltage: 120-277Vac
- Constant current design
- Fixed output current(400mA-800mA)
- Efficiency to 87%
- 0-10V Dimming
- SCP, OCP, and Over-load Protection
- UL Class P / Class 2
- IP65
- 5-year warranty



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

■ Application

- Indoor or outdoor lights
- Dry and damp locations

■ 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
L6WCD030S040PS	120~277Vac	20.8W	35-52V	400mA	400mA	87%	UL/cUL
L6WCD030S045PS	120~277Vac	23.4W	35-52V	450mA	450mA	87%	UL/cUL
L6WCD030S050PS	120~277Vac	26W	35-52V	500mA	500mA	87%	UL/cUL
L6WCD030S054PS*	120~277Vac	28.6W	35-52V	550mA	550mA	87%	UL/cUL
L6WCD030S060PS	120~277Vac	31.2W	35-52V	600mA	600mA	87%	UL/cUL
L6WCD030S065PS	120~277Vac	29.25W	35-45V	650mA	650mA	87%	UL/cUL
L6WCD030S070PS	120~277Vac	29.4W	24-42V	700mA	700mA	87%	UL/cUL
L6WCD030S075PS	120~277Vac	30W	24-40V	750mA	750mA	87%	UL/cUL
L6WCD030S080PS	120~277Vac	30.4W	24-38V	800mA	800mA	87%	UL/cUL

*±5mA of rated current

■ Technical Data

Input voltage range	120~277Vac
Line Frequency	50/60Hz
Inrush current	≤60A
Line current	≤0.32A@120V, 0.15A@277Vac
Efficiency	87%
Standby Power	≤1W
Max Output Power	31.6W
Output voltage ripple	<5V
Output current accuracy	±5%
Line Regulation	±5%
Load Regulation	±5%

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■ Technical Data(cont.)

Temperature Drift	±10%
Start Up time	<500mS
Dimming digital	0-10V Analog voltage
Open Circuit Protection	Open Circuit Voltage Max. 63V
Short Circuit Protection	Automatic Recovery
Operation temperature	-40°C to 40°C
Storage Temperature	-40°C to 85°C
Operating Humidity	5% to 95%
Storage Humidity	5% to 95%
Case size	95x40x25.4
MTBF	50,000 hours at 25°C ambient temperature
Net weight	165g
Packing	60pcs/carton

1. All the parameters are typical value under the environment temperature 25°C and full load

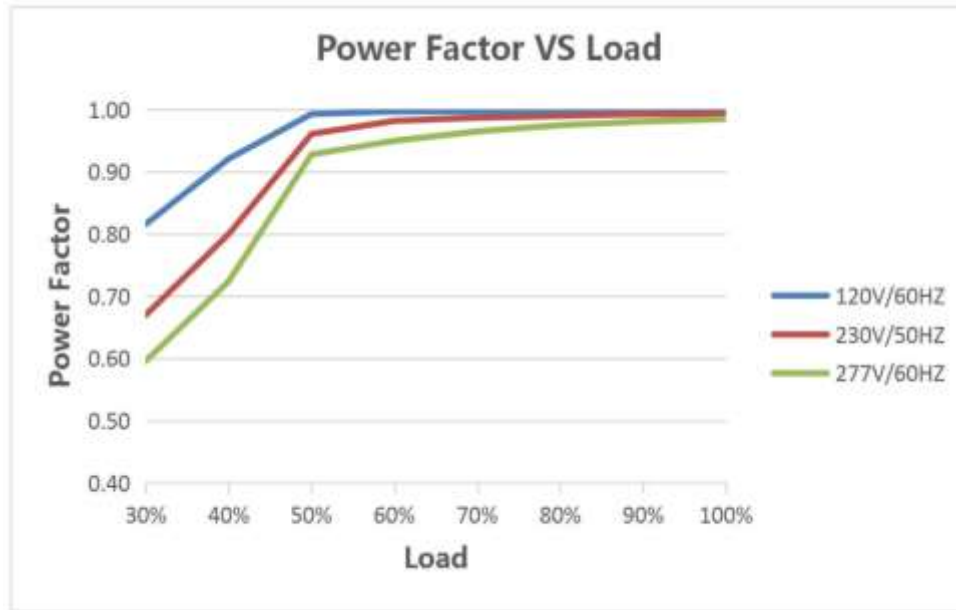
■ Safety Compliance

Safety Standards	UL & FCC & Class P
Withstand Voltage	I/P-O/P: 1.6KVac, 5mA, 60S
Insulation Resistance	I/P-O/P 500Vac, >100MΩ
Surge Rating	IEC61000-4-5(indoor A2 2.5kV ring wave)
EMC	Meet to FCC Part 15B, EN61000-4-2,3,5,6,8,11 EN61000-3-2

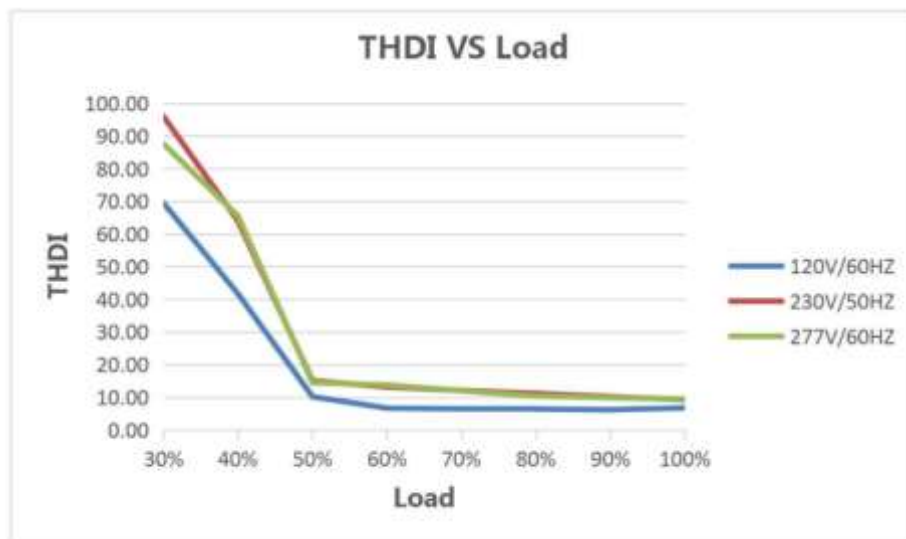
Disclaimer:

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.

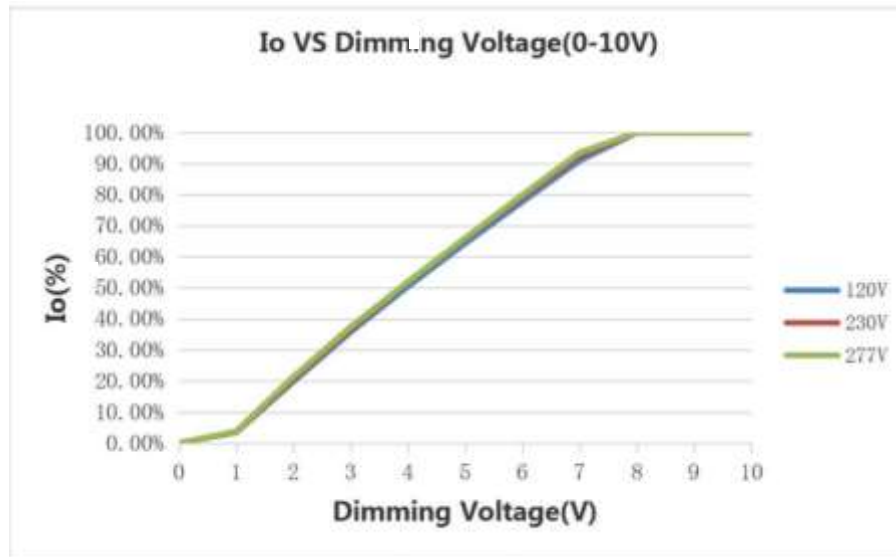
■ **Power factor vs Load**



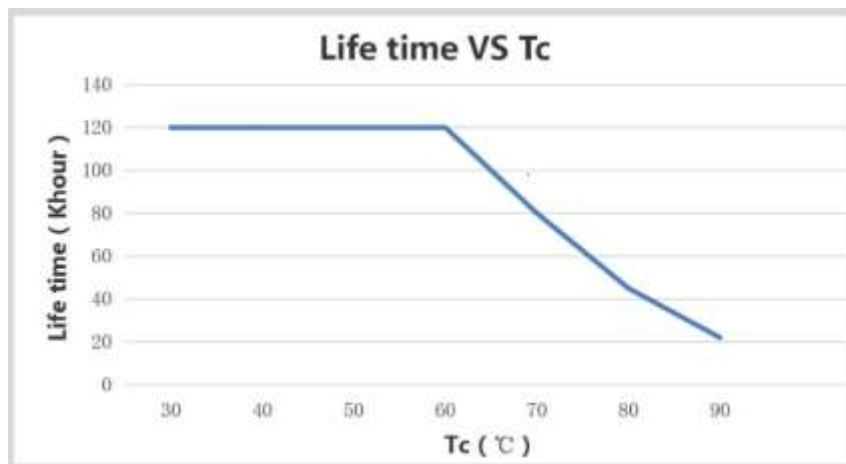
■ **THD vs Load**



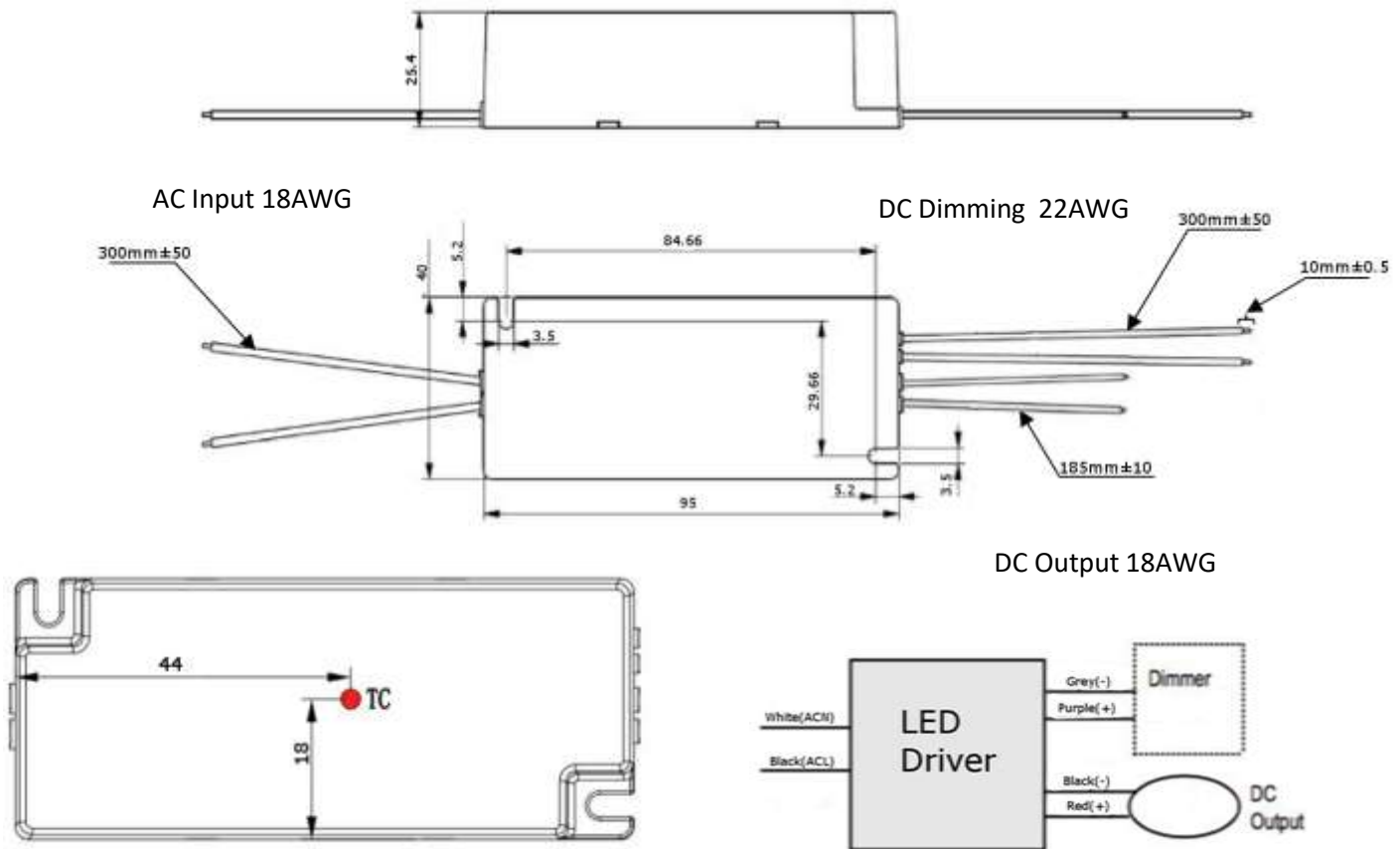
■ Dimming



■ Lifetime vs Case Temperature

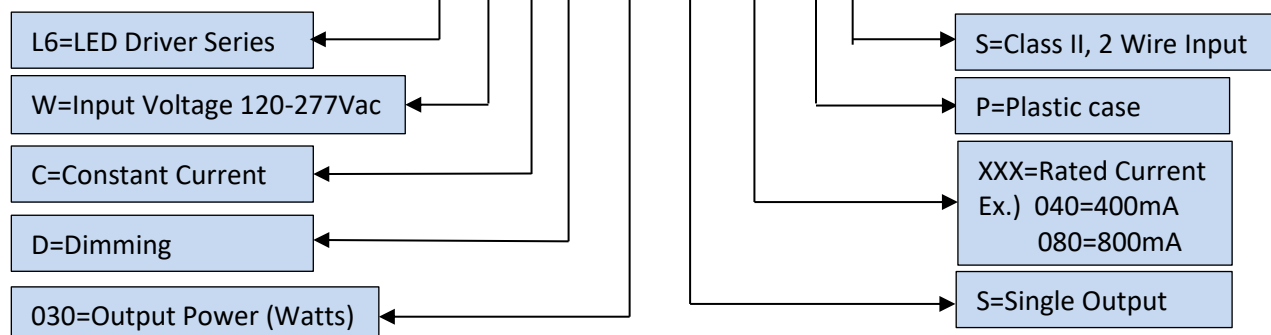


■ **Mechanical Diagram**



Part Number Scheme

L 6 W C D 030 S XXX P S



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

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