

■ Features

- Power rating: 9.5-13W
- Input Voltage: 100-277Vac
- Constant current design
- Output Current (250mA-1000mA)
- Autec's Dual Dimming Technology 0-10V/Triac Dimming
- Efficiency up to 84%
- Smooth Dimming 1%-100%
- Dim-to-off
- SCP and OCP
- Tc of 90°C
- UL Class P / Class 2 Output
- SELV Output
- 5-year warranty

RoHS
Compliant


■ Application

- High Brightness Light-Emitting Diode Products

■ Model List*(See part number scheme for model number details)

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

Model Number	Input Voltage Range	Output Power	Power Factor	Output Voltage	Output Current Min.	Output Current Max.	Efficiency	Certification
L9WCD012S025SS	100-277Vac	12W	≥0.9	26-48V	250mA*	250mA	82%	CE/UL/cUL
L9WCD012S027SS	100-277Vac	9.7W	≥0.9	24-36V	270mA	270mA	82%	CE/UL/cUL
L9WCD012S028SS	100-277Vac	13W	≥0.9	26-48V	280mA	280mA	82%	CE/UL/cUL
L9WCD012S035SS	100-277Vac	9.5W	≥0.9	14-27V	350mA	350mA	82%	CE/UL/cUL
L9WCD012S036SS	100-277Vac	12.6W	≥0.9	24-36V	360mA	360mA	82%	CE/UL/cUL
L9WCD012S050SS	100-277Vac	12W	≥0.9	14-24V	500mA	500mA	82%	CE/UL/cUL
L9WCD012S100SS	100-277Vac	12W	≥0.9	8-12V	1000mA*	1000mA	82%	CE/UL/cUL

*100mA-1500mA options available, contact Autec Sales for all available options.

■ Technical Data

Current Tolerance	±5%
Voltage Tolerance	±5%(Note 3)
Set up time (Max.)	<0.5S
Rated Voltage	100-277Vac
Frequency Range	47-63Hz
AC Current (Max.)	0.2A@115Vac/0.1A@230Vac
Inrush Current	11A@115Vac/15A@230Vac
Leakage Current	<0.25mA@230Vac
Over Temp. Protection	Hiccup mode. No damage will occur to the driver and will recover automatically when the fault condition is removed.

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■ Technical Data

Short Circuit Protection	Hiccup mode. No damage will occur to the driver and will recover automatically when the fault condition is removed.
Operation Temperature	-20°C to 60°C
Operation Humidity	20% to 90%RH non-condensing
Storage Temperature	-40°C to +80°C
Storage Humidity	10% to 95%RH
Vibration	10~500 Hz, 2G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes.
MTBF	200,000 hours min. MIL-HDBK-217F(25°C)
Dimensions	86x37x28mm
Mounting	81mm
Weight	226.8g

Notes:

1. All specifications not specifically mentioned are measured at 230Vac and 25°C ambient temperature.
2. This is the suitable operation region for LED related applications, but please reconfirm special electrical requirements for some specific system design.
3. Voltage Tolerance: Includes line regulation, load regulation and set-up tolerance.

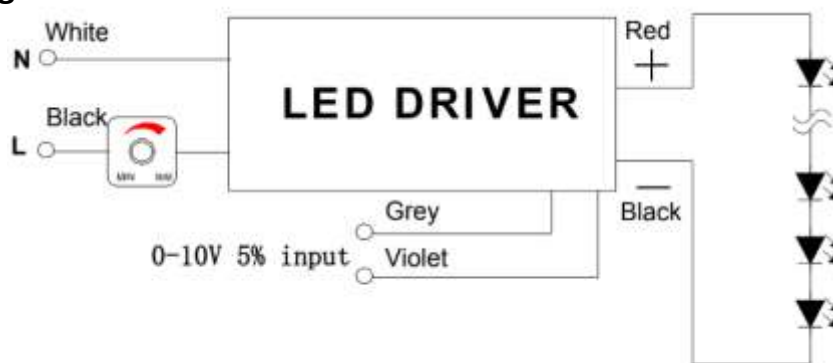
■ Safety and EMC

Safety Standards	Compliance EN61347-1, EN61347-2-13, UL8750 refer 1310
Withstand	I/P - O/P: 3.75KVAC
Isolation Resistance	I/P - O/P: 100M ohms / 500VDC at 25°C
EMI Conduction & Radiation	Compliance EN55015, FCC part 15
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; EN61547

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.

■ Wiring Diagram

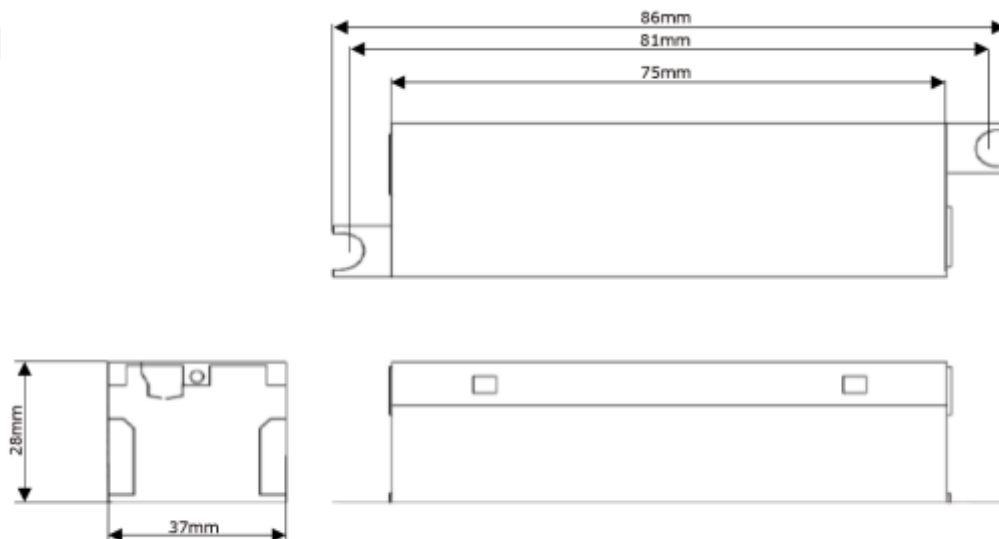


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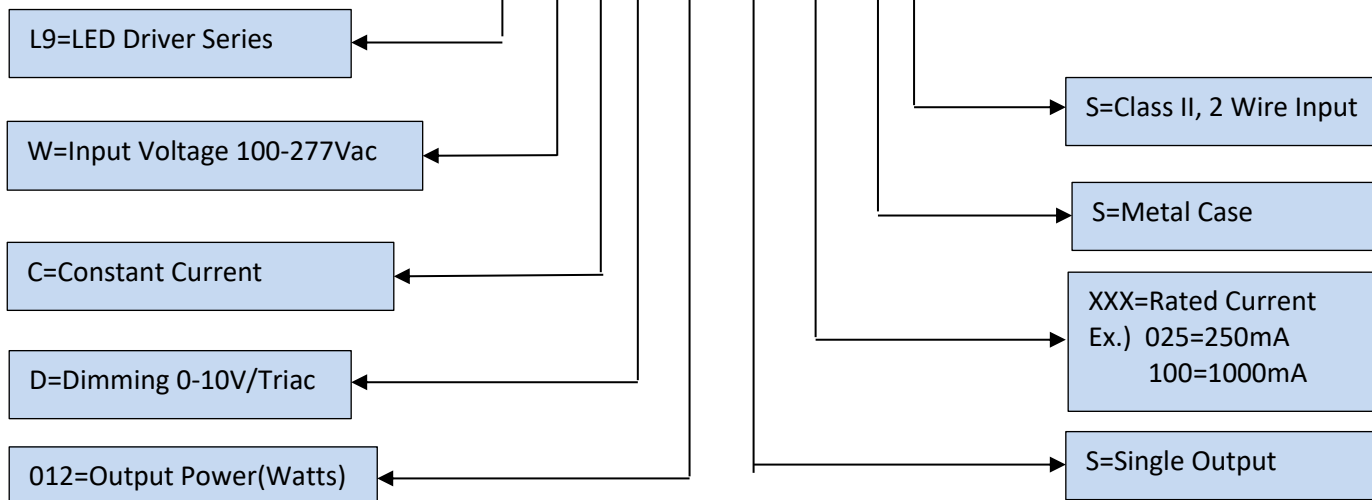
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■ **Mechanical Diagram**



Part Number Scheme

L9 W C D 012 S XXX S 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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