

■ Features

- Power rating: 7-8W
- Input Voltage: 100-277Vac
- Constant current design
- Output Current (250mA-700mA)
- Autec's Dual Dimming Technology 0-10V/Triac Dimming
- Efficiency up to 84%
- SCP and OCP
- Smooth Dimming 1%-100%
- Dim-to-off
- Tc of 90°C
- UL Class P / Class 2 Output
- SELV Output
- 5-year warranty

RoHS
 Compliant


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

■ Application

- High Brightness Light-Emitting Diode Products

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

Model Number	Input Voltage Range	Output Power	Power Factor	Output Voltage	Output Current Min.	Output Current Max.	Efficiency	Certification
L9WCD008S025SS	100-277Vac	7W	≥0.9	14-28V	250mA	250mA	82%	CE/UL/cUL
L9WCD008S030SS	100-277Vac	7.2W	≥0.9	10-24V	300mA	300mA	82%	CE/UL/cUL
L9WCD008S035SS	100-277Vac	7.3W	≥0.9	10-21V	350mA	350mA	82%	CE/UL/cUL
L9WCD008S050SS	100-277Vac	7.2W	≥0.9	5-14.5V	500mA	500mA	82%	CE/UL/cUL
L9WCD008S068SS	100-277Vac	7.4W	≥0.9	6-11V	680mA	680mA	82%	CE/UL/cUL
L9WCD008S070SS	100-277Vac	8W	≥0.9	7-11.43V	700mA	700mA	82%	CE/UL/cUL

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

■ Technical Data

Current Tolerance	±7%
Voltage Tolerance	±5%(Note 3)
Set up time (Max.)	<0.5S
Rated Voltage	100-277Vac
Frequency Range	50-60Hz
AC Current (Max.)	0.2A
Over Current Protection	Hiccup mode. No damage will occur to the driver and will recover automatically when the fault condition is removed.
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 +40°C
Operation Humidity	20% to 90%RH non-condensing
Storage Temperature	-40°C to +80°C

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November 14, 2019

■ Technical Data

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.
4. Constant current operation is within 75%-100% rated output voltage. This is the suitable operation region for LED related applications, but please reconfirm special electrical requirements for some specific system design.

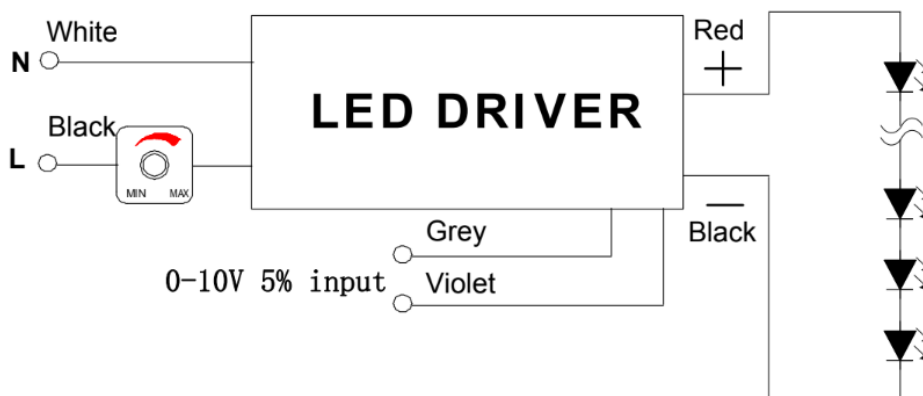
■ Safety and EMC

Safety Standards	Compliance EN61347-1, EN61347-2-13
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
Harmonic Current	Compliance to EN61000-3-2 Class C, EN61000-3-3
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; EN61547

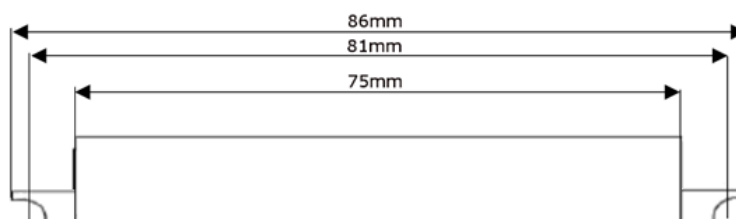
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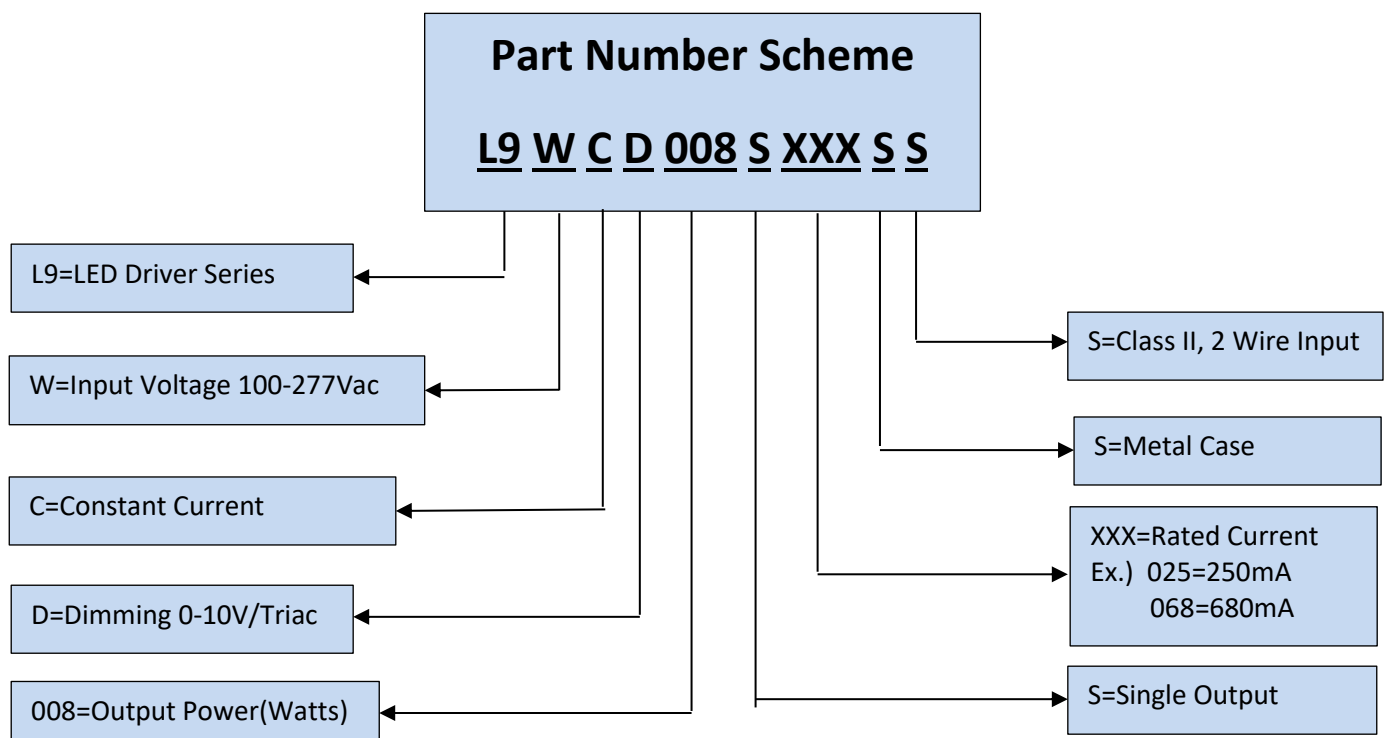
Autec Power Systems' (Autec) LED Drivers are Hi-Pot tested during the manufacturing process. Autec assumes no responsibility for secondary Hi-Pot testing at customer location or designated production line(s). Should customer require further Hi-Pot testing, at their own production line, following assembly 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



■ Mechanical Diagram





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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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