AUTEC POWER SYSTEMS
...POWERmatters.

"Autec's Dual Dimming Technology" **LYLVD150 Series**

150W, 120Vac Input, 0-10V/Triac Dimming, Constant Voltage LED Driver

RoHS Compliant

Features

- Power rating: 150W
- Input Voltage: 120Vac
- Constant voltage design
- Output Current (6250-12500mA)
- Autec's Dual Dimming Technology 0-10V/Triac Dimming
- Efficiency to 88%
- Protections: SCP, OLP, & OTP
- IP67
- 5-year warranty

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

Application

- Indoor & Outdoor Applications

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
LYLVD150S012ST	120Vac	150W	12V	0mA	12500mA	88%	UL/cUL
LYLVD150S024ST	120Vac	150W	24V	0mA	6250mA	88%	UL/cUL

Technical Data

Input Voltage	120Vac
Ripple and Noise[2]	200mV(12V), 250(24V)
Voltage Tolerance[3]	±2%(12V), ±1%(24V)
Line Regulation	±1%
Load Regulation	±2%
Voltage Range	100-130Vac, 120Vac(Typ.)
Input Frequency	50-60Hz
Power Factor (Typ.)	PF>0.6/110Vac
Efficiency	88%
Input AC Current (Typ.)	2.5A @110Vac
Inrush Current (Typ.)	Cold start 120A/110Vac
Short Circuit Protection	LED Driver will auto-recover when fault is removed
Overload Protection	Protected at 115-140% above peak rating
Over Temperature Protection	LED Driver will auto-recover when fault is removed
Operating Temperature	-30˚C to +50˚C
Operating Relative Humidity	20% to 99% RH non-condensing(Waterproof)
Storage Temperature	-40˚C to +80˚C
Storage Relative Humidity	10% to 99% RH
Case Dimension	238x268x158mm
Weight	850g
Packaging	15Pcs/Carton

Notes:

1. All parameters not specifically mentioned are measured at 110Vac AC input rated load and 25˚C of ambient temperature.

2. Ripple & Noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire with a 0.1uf & 10uf parallel capacitor.
3. Tolerance: Includes set up tolerance, line regulation and load regulation.

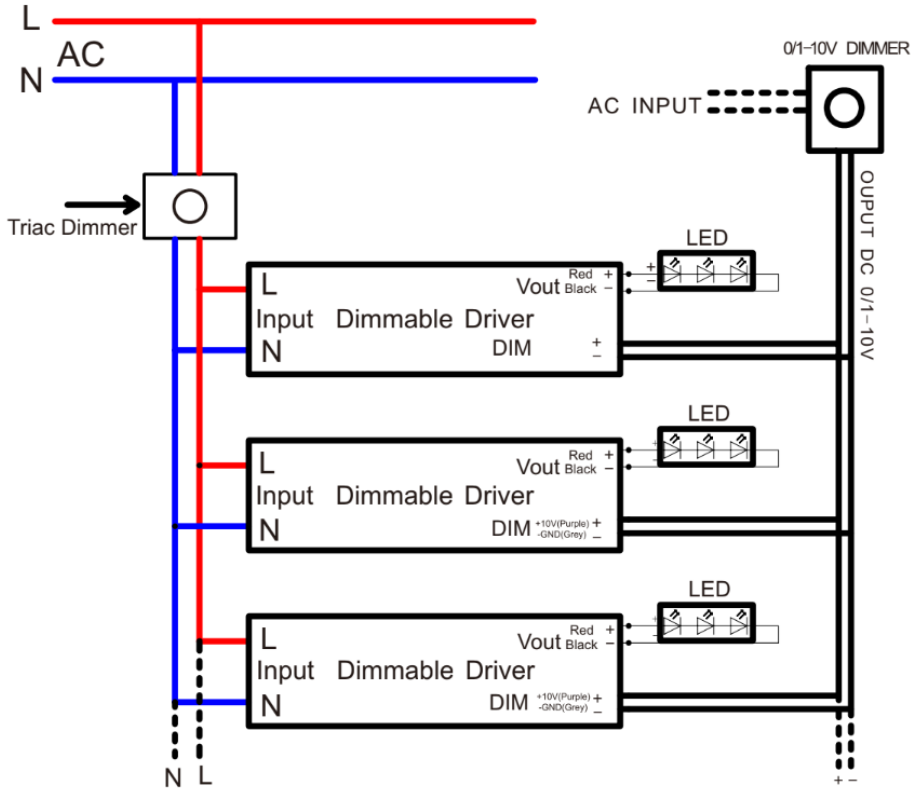
■ Safety Standards

Safety Standards	CE Mark (LVD) IP67
Withstand Voltage	I/P-O/P: 1.5KVac, I/P-GND: 1.5KVac
EMC Test Standards	EN55015:2013; EN61547:2009; EN61000-3-2:2014; EN61000-3-3:2013

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.

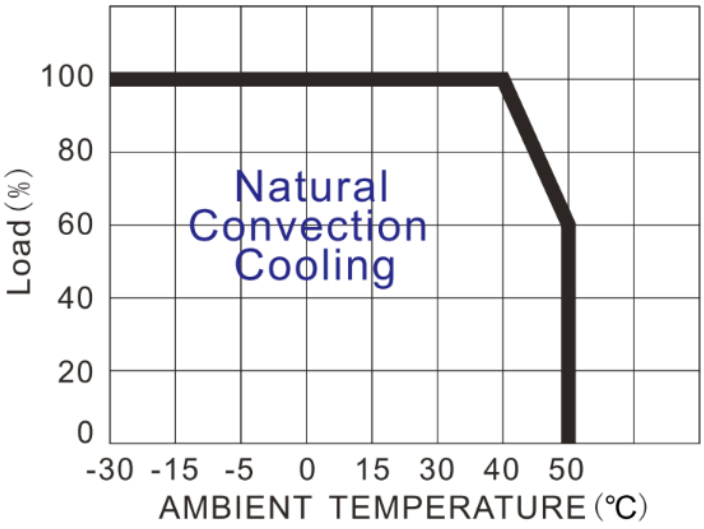
■ Dimming Instructions/Connection Diagram



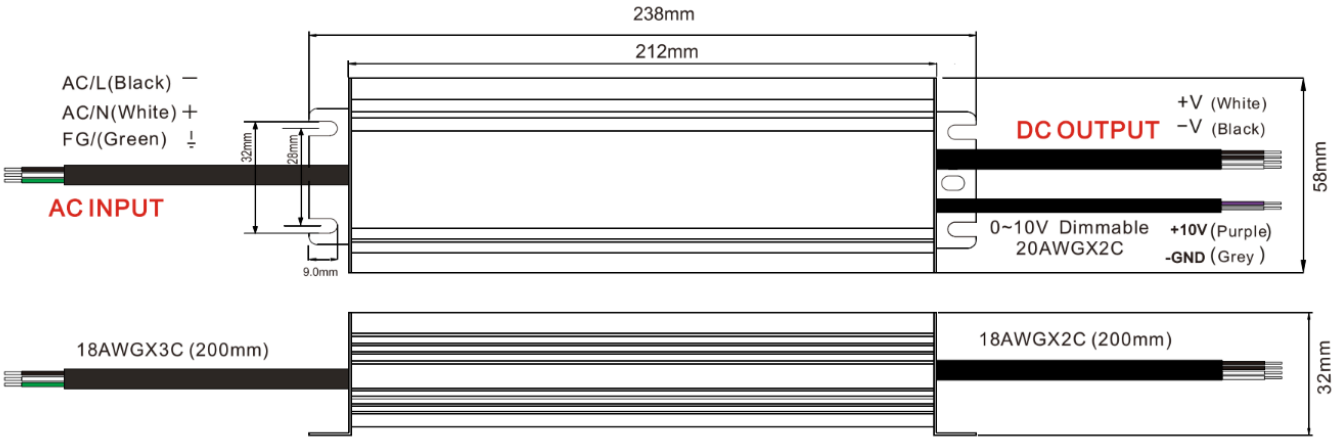
Notes:

1. One Dimmer can be used with multiple drivers, with the number of drivers being determined by the dimmer's maximum load capacity. The positive and negative DIM output wires should connect to the corresponding terminals located on the Dimmer. Once all the connections are secured this will produce the 0-10V dimming signal to the LED fixture.
2. Setting up a tandem triac dimmer requires the AC input wires are connected to the Triac dimmer. Once connected made sure to adjust the output constant current value.
3. Make sure the 0-10V dimming interface of the power supply connected should produce a stable 0-10V DC Voltage.

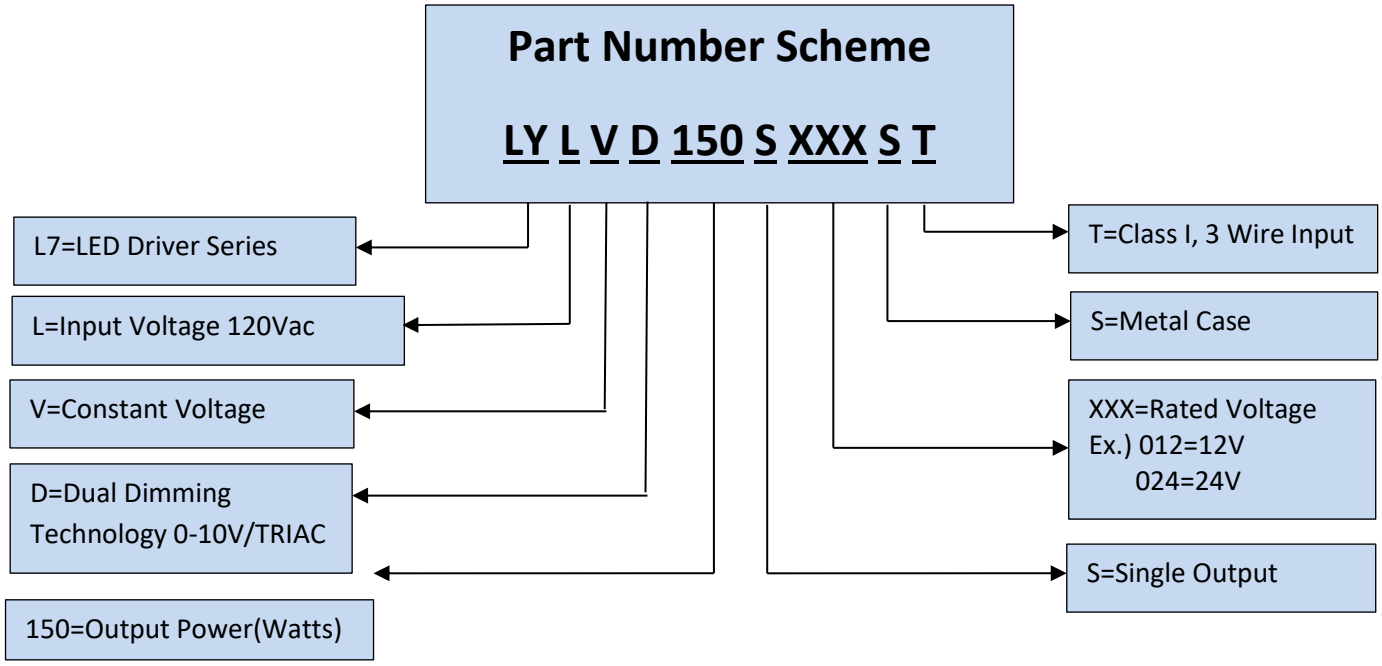
■ Derating Curve



■ Mechanical Diagram



***220Vac Input models are available, Contact Autec Sales for more details.**



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