

Project name**Type**

LW-DIM-ELV-100~130VAC-CV-24V-200W-IP67-JBX



Features

- Output constant voltage
- Universal AC input: 100-130VAC
- Power Factor: up to 0.95
- High efficiency: up to 85%
- Protection: Short Circuit / Over Loading / Over Temperature
- Full protection aluminum housing
- Class II power unit
- Easy installation
- Cooling by free air convection
- Compatible with Forward phase, Triac, MLV, ELV Dimmers
- Strong compatibility, flicker-free dimming
- Suitable for LED lighting and moving sign applications
- Compliance to worldwide safety regulations for lighting



Specification

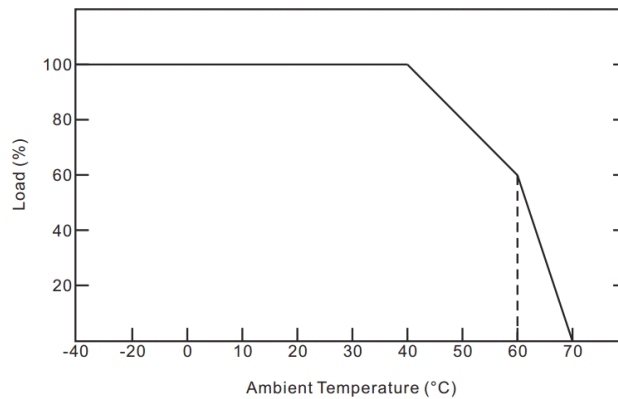
Output	DC Voltage	24V
	Voltage Tolerance	±0.5V
	Rated Current	8.3A
	Rated Power	200W
Input	Voltage Range	100~ 130VAC
	Frequency Range	50 ~ 60HZ
	Power Factor (Typ.) @Full Load	0.65 @Full Load
	Efficiency (Typ.) @Full Load	85% @Full Load
	AC Current (Max.)	3.2A @100VAC
	Leakage Current	<0.50mA @120VAC
Protection	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed
	Over Current	≤1.2*I out
	Over Loading	≤120%
	Over Temperature	100°C ±10°C, Shut down O/P voltage, recovers automatically after temperature goes down
Environment	Working Temperature	-40°C ~ +60°C (See derating curve below)
	Working Humidity	20 ~ 95%RH, non-condensing
	Storage Temperature & Humidity	-40°C ~ +80°C, 10 ~ 95%RH
	Temperature Coefficient	±0.03%/°C (0 ~ 50°C)
	Vibration	10 ~ 500Hz, 5G 12min./1 cycle, period for 72min. each along X, Y, Z axes
Safety & EMC	Safety Standards	UL1012
	Withstand Voltage	I/P-O/P: 1500VAC
	Isolation Resistance	I/P-O/P: 100MΩ 500VDC 25°C 70%RH
	EMC Emission	FCC Part 15B
Others	Net Weight	1.65kg With Junction Box: 2.38kg
	Dimensions	256 x 78 x 47mm 10.08 x 3.07 x 1.85in 406 x 87 x 60mm 15.98 x 3.43 x 2.36in (L x W x H)

All parameters if NOT specified otherwise are measured at 120VAC input, rated load and 25°C ambient temperature.
To extend the driver's using life, please reduce the loading at lower input voltage.
Loading should be 5-100%.

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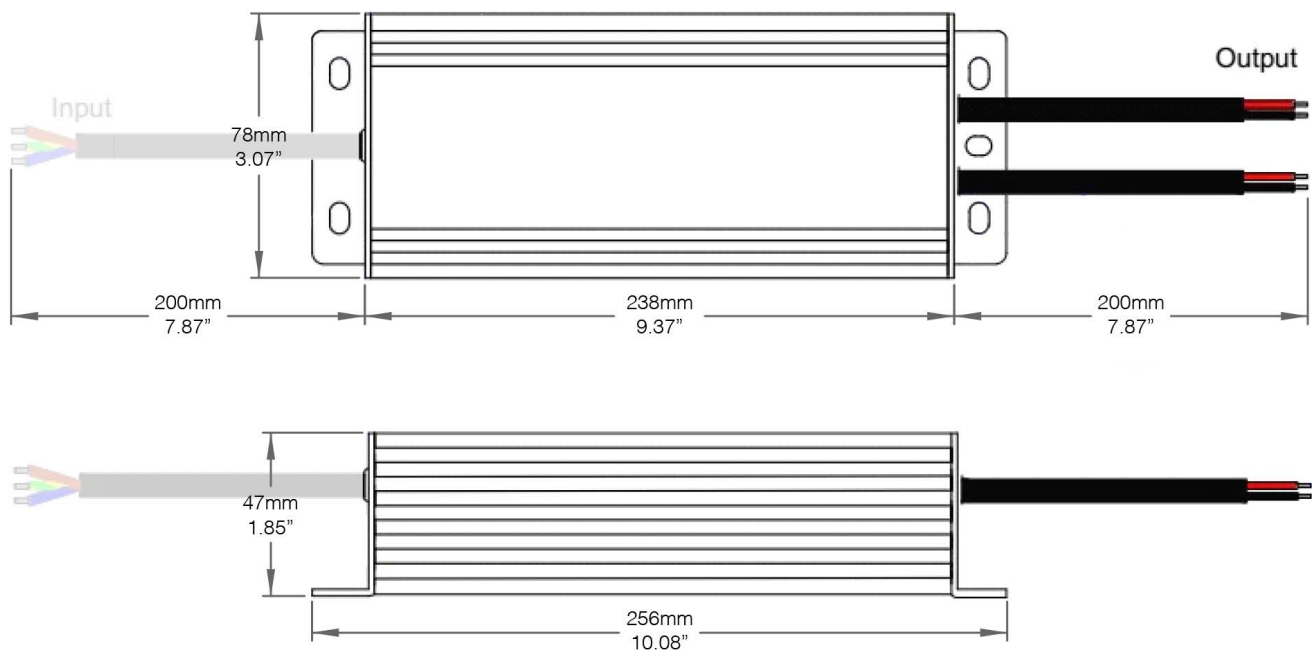
Derating Curve



To extend their life, please refer to the Derating Curve and derate according to the temperature

Dimensions

Driver



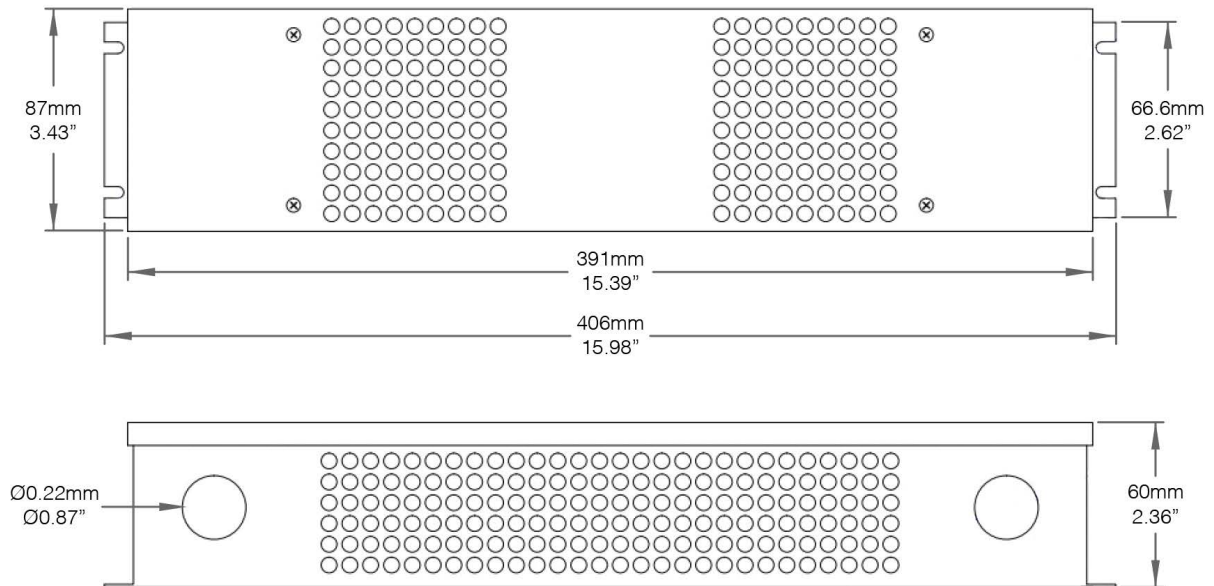
- Input Wire Black and White to be connected to AC L and N, Green wire is ground wire and goes ground.
- Output wire Red to LED Positive side (+), Black to LED Negative side (-).

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Dimensions

Junction Box



Dimming Operation

- Output constant current level can be adjusted through input terminal of the AC phase line (L) by connecting a Phase/Triac dimmer.
- For Forward Phase, Magnetic low voltage and Triac Dimmer.

Warning

- Output polarity: Red is Positive (+), Black is Negative (-).
- Risk of electric shocks. When used outdoors, install only on a circuit protected by a Class A GFCI.
- Risk of fire. Installation involves special wiring methods to run wiring through a building structure. Consult a qualified electrician.
- Mount the unit at a height greater than one (1) foot from the ground surface.

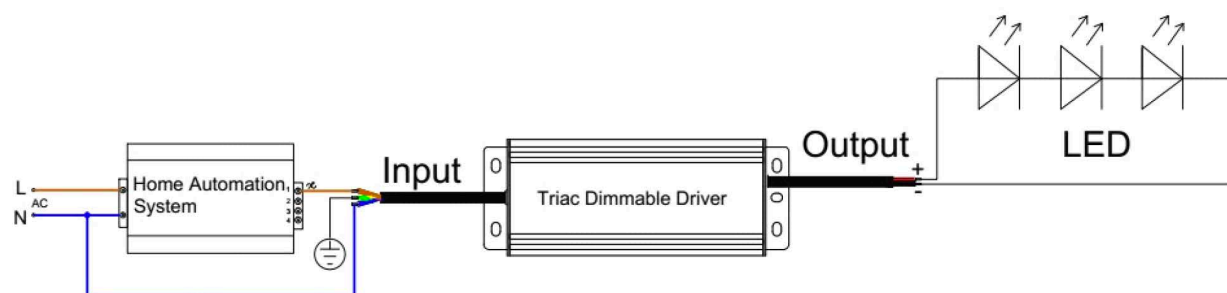
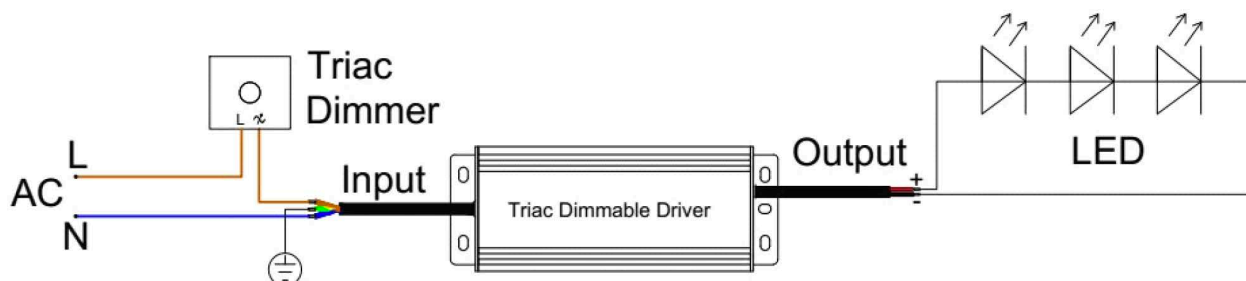
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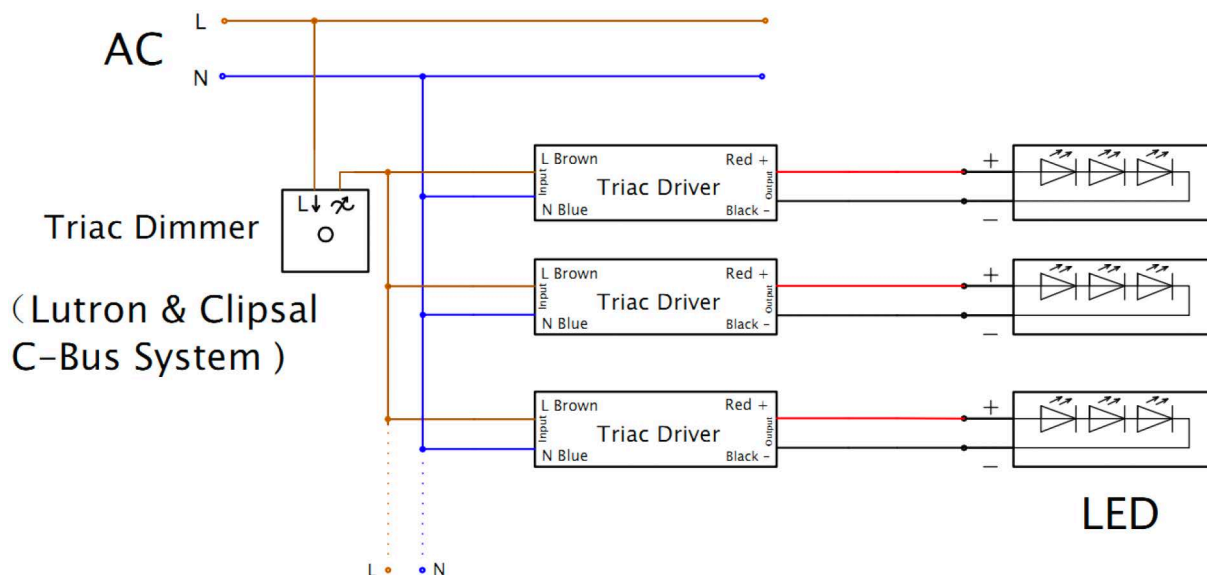
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Connecting Diagrams

Single Driver Connection Diagram

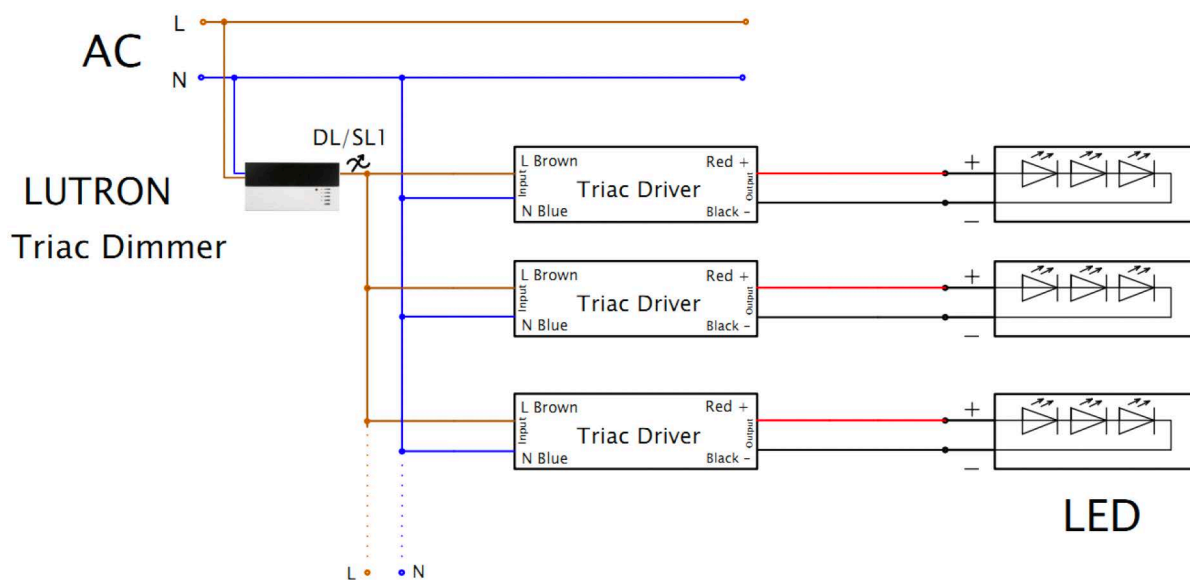
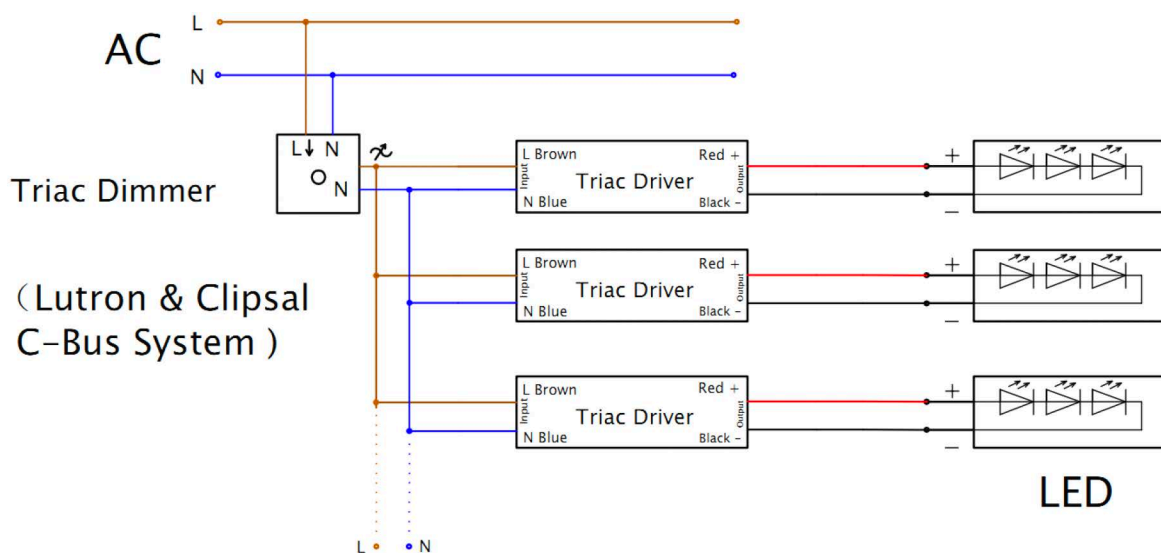


Multiple Drivers Connection Diagram



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Type

LW-DIM-ELV-100~130VAC-CV-24V-200W-IP67-JBX**Instructions**

1. This driver should be installed by a qualified professional.
2. Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
3. Ensure that wiring is correct before testing in order to avoid light and power supply damage.
4. If driver cannot work properly, do not attempt to repair it.