

Project name

Type

QTY



• 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 and others
- Compliance to worldwide safety regulations for lighting



■ Specification

Model		LW-DIM-ELV- 100~130VAC-CV-24V-200W-IP67-JBX	
Certificates		ETL、CETL、 FCC	
Output	DC Voltage	24V	
	Voltage Tolerance	±0.5V	
	Rated current	8.30A	
	Rated power	200W	
Input	Voltage Range	100~130VAC	
	Frequency Range	47-63HZ	
	Power Factor (Typ.)	0.65 (full load)	
	Efficiency (Typ.)	84%	
	AC Current (Max.)	3.2A/100VAC	
	Leakage current	< 0.50mA/120VAC	
Protection	Short Circuit	No output voltage, reach to the max. rated output current (won't hurt the LED), recovers automatically after fault condition is removed	
	Over Current	≤1.2*I Hiccup mode, recovers automatically after fault condition is removed	
	Over Loading	≤120% Hiccup mode, recovers automatically after fault condition is removed	
	Over temperature	100°C±10°C shut down o/p voltage, automatically recover after cooling.	
Environment	Working TEMP.	-40~+60°C	
	Working Humidity	20~95%RH, non-condensing	
	Storage TEMP. Humidity	-40~+80°C, 10~95%RH	
	TEMP .coefficient	±0.03%/°C (0~40°C)	
	Vibration	10~500Hz,5G 10min./1 cycle,period for 60min. each along X,Y,Z axes	
Safety& EMC	Safety standards	UL1012	
	Withstand voltage	I/P-O/P:1500KVAC	
	Isolation resistance	I/P-O/P:100MΩ/500VDC/25°C/70%RH	
	EMC EMISSION	FCC Part 15 B	
others	Net. Weight	Driver 1.45Kg	With J8 2.2 Kg
	Size	256*78*47mm (L*W*H)	406*87*60mm (L*W*H)
	packing	305*295*210mm 10PCS/CTN	445*350*205mm 10PCS/CTN

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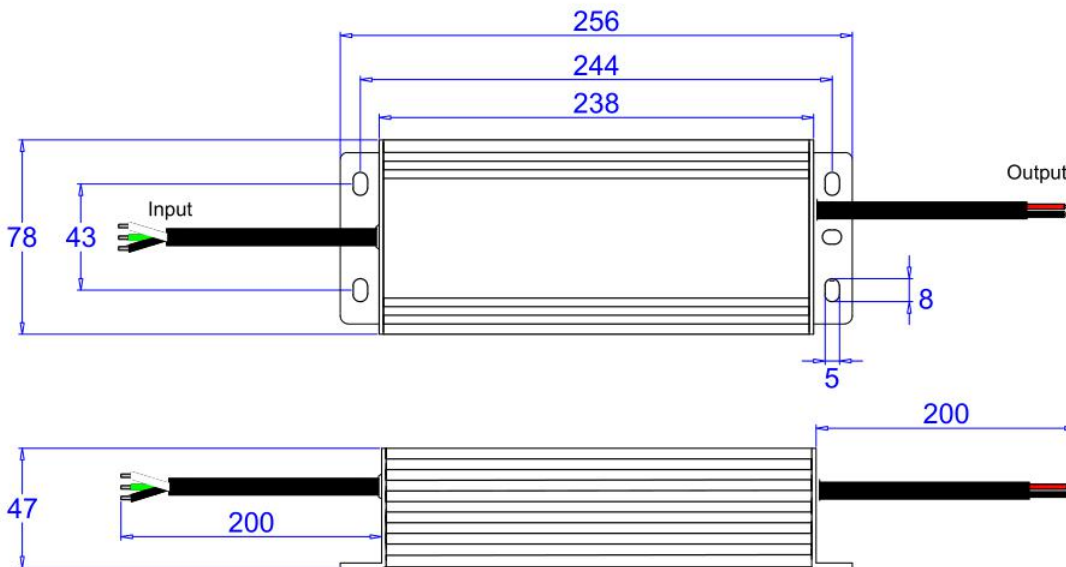
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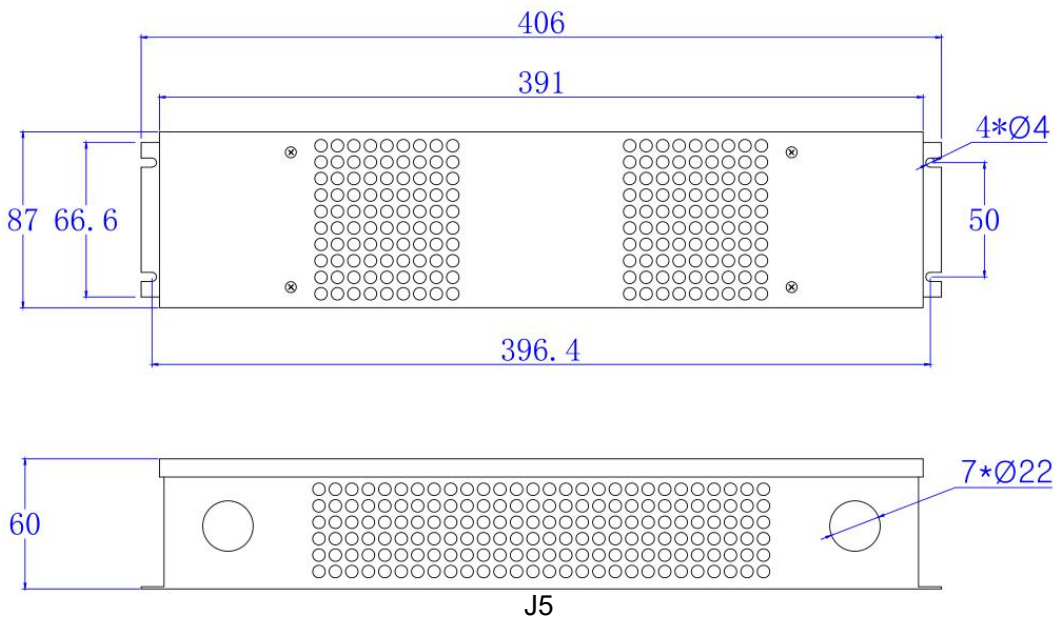
Notes

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

■ Phase/Triac Dimmable driver Mechanical Specification



※ Input black(L) and white(N) wires to be connected to AC, Green wire to be connected to ground; output red and black wires to be connected to led lighting.



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■Dimming Operation

※The Pulse-Width Modulation (PWM) of output voltage can be adjusted through input terminal of the AC phase line(L) by connection a phase/triac dimmer.

※Usually matching with Forward phase , leading edge , Magnetic low voltage triac dimmers, (or Reverse phase, trailing edge ,Electric low voltage, Triac Dimmers can be customized!)

※Please try to use dimmers with power at least 2.5 times as the output power of the driver.

■Warning

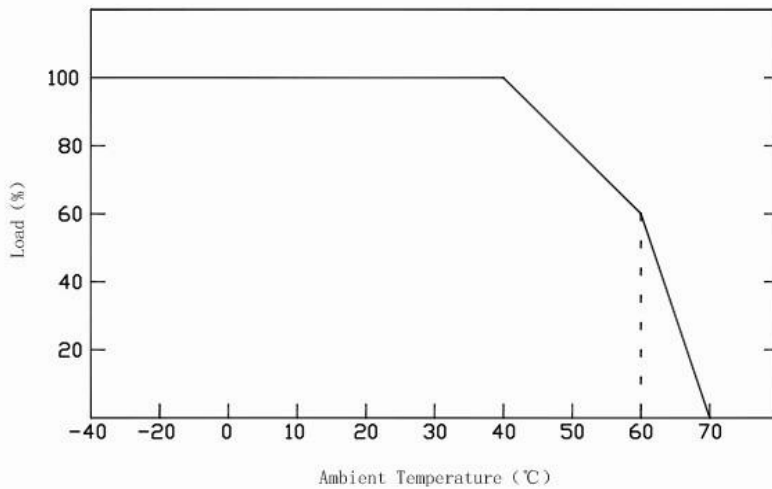
※Prevent to reverse polarity; Output polarity: RED "+"; BLACK "-"

※Risk of Electric Shock. 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;

※Risk of Electric Shock. Mount the unit at a height greater than 1 foot from the ground surface.

■Derating Curve



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

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■ Connecting Diagram

