

E-Dimming

LED Driver

Design and Quality EASEIC of USA

LEA112D

E-DIMMING 0/1-10V DRIVER

SPEC SHEET



150W 48V 0-3.1A 0/1-10V Dim

LEA112D

69515004

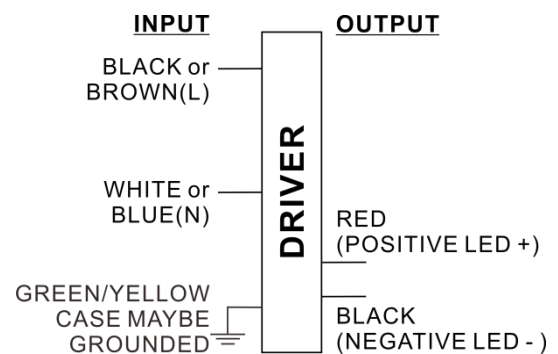


RoHS

Features

- Universal AC input: 100-265VAC
- 3 dimming in 1: 0/1-10V , PWM signal or resistance.
- Dimming range: 0-100%
- Protections: Short Circuit ,Over current ,Over loading
- Compact form factor, Fully isolated plastic case
- Class 2 power unit
- Cooling by free air convection
- high reliability, low cost
- Suitable for dry, damp, and wet location
- 5 year warranty

Wire Diagram



Note:

Install in accordance with National and Local Electrical Codes.

Please pay special attention to wiring installation guidelines,

Wrong wiring will cause damage to the LED driver.

Before connection the power, make sure you have access to the LED load.

Benefits

- Enables design of low profile and compact fixtures
- Helps to maximize energy savings and allows application specific light levels

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Electrical Specifications

Ordering Information			
Type	LEA112D		
Order Code	69515004		
Full product name	E-Dimming 150W 48V 0-3.1A 0/1-10V Dim		
Input Information			
Line Voltage	100-265Vac_rms		
Line Current	1.7A@115VAC	0.9A@230VAC	
Line Frequency	47-63Hz		
Min, Mains Voltage operational	100[min]		
Max, Mains Voltage operational	265[max]		
THD(total)	<25%		
Power Factor(PF)	≥90% at full load		
Efficiency (Typ.@265VAC)	≥88% at full load		
Inrush Current(Typ.)	Cold Start with full load ≤ 65A at 230VAC		
Leakage Current(Typ.)	<0.75mA/265VAC		
Output Information			
Output Constant Voltage	48V		
Output Current	0-3.1A		
Rated Power	Up to 153.3W		
Load Regulation	±5%		
Protections	Over Current ≤1.2* Iout, Over Voltage≤120% Short Circuit and Open Circuit Protection for LED+ and LED-Hiccup mode,, recovers automatically after fault condition is removed		
Ambient Temp Range	-40℃ to +80℃, 20-95% RH non-condensing		
Max Case Temperature(Tc)	75℃ for Life & 85℃ for TUV Safety		
Features			
Dimming Interface	Standard DC 0/1-10V control interface, Sink or Source <1 Ma , PWM Dimming control, Resistance value Wide dimming range from 0% up to 100% Dimming over entire input voltage range		
Approved Dimmer List(Manufacturer)	Compatible with industry standard 0/1-10V dimmers		
Dimming range	0-100%		
Weight(KG) and Size(MM)	1.3KG /256*78*47MM (L *W*H)		
Environment & Approbation			
Environmental Protection Rating	UL damp and dry		
Agency Approbations	UL8750, UL1310,UL1012,UL879,UL60950-1,CSA C22.2 No. 250.0-08 (except for 15V-54V,), EN61347-1, EN61347-2-13 independent, IP67 approved ; TUV EN60950-1 Compliant		
Electromagnetic Compliance	Compliance to EN55015 Class A, FCC 47CFR Part 15 Class		
Harmonic Current	Compliance to EN61000-3-2 Class C		
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; EN61547, Light Industry Level (surge 4KV), criteria A		

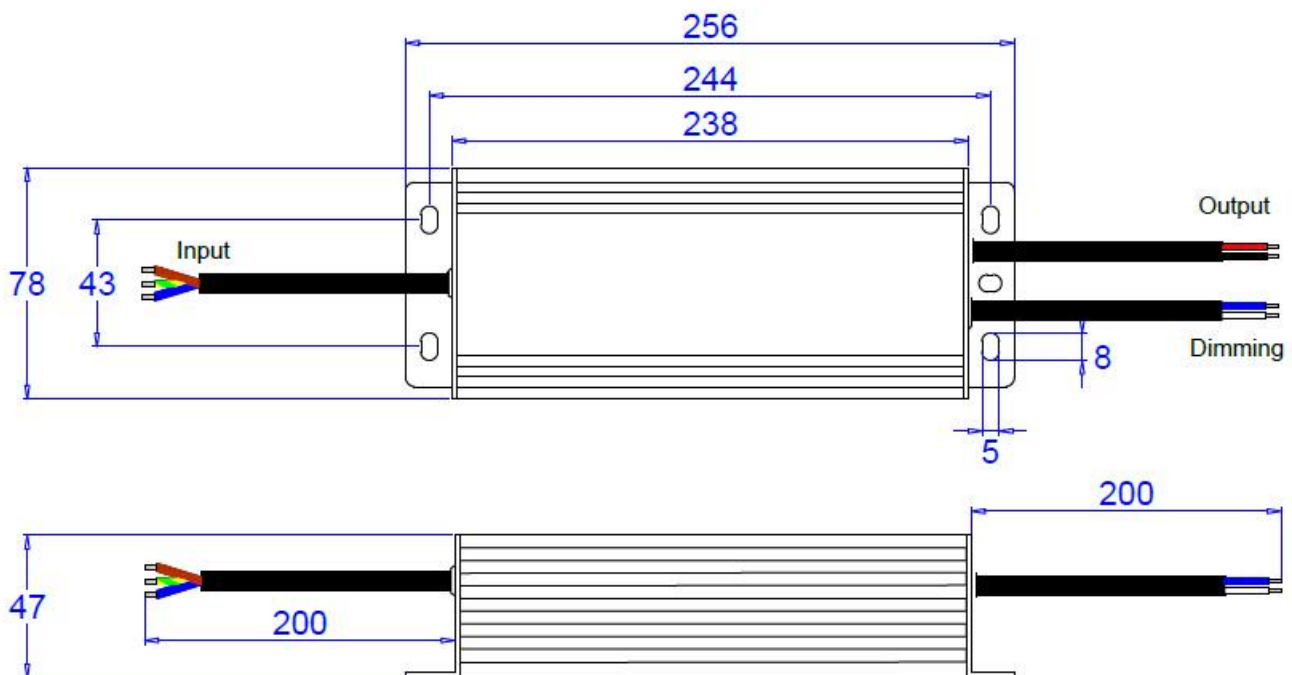
All the specifications are typical and at 25 °C Tcase unless specified otherwise

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Mechanical Specifications

Mechanical Drawing and Dimensions



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