

E-Dimming

LED Driver

Design and Quality EASEIC of USA

LEA112B

E-DIMMING 0/1-10V DRIVER

SPEC SHEET



150W 24V 0-6A 0/1-10V Dim

LEA112B

69515002

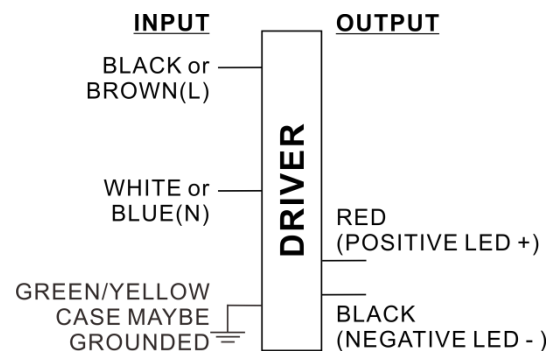


RoHS

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 | LEA112B | | |
| Order Code | 69515002 | | |
| Full product name | E-Dimming 150W 24V 0-6A 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 | 24V | | |
| Output Current | 0-6A | | |
| 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 | | |

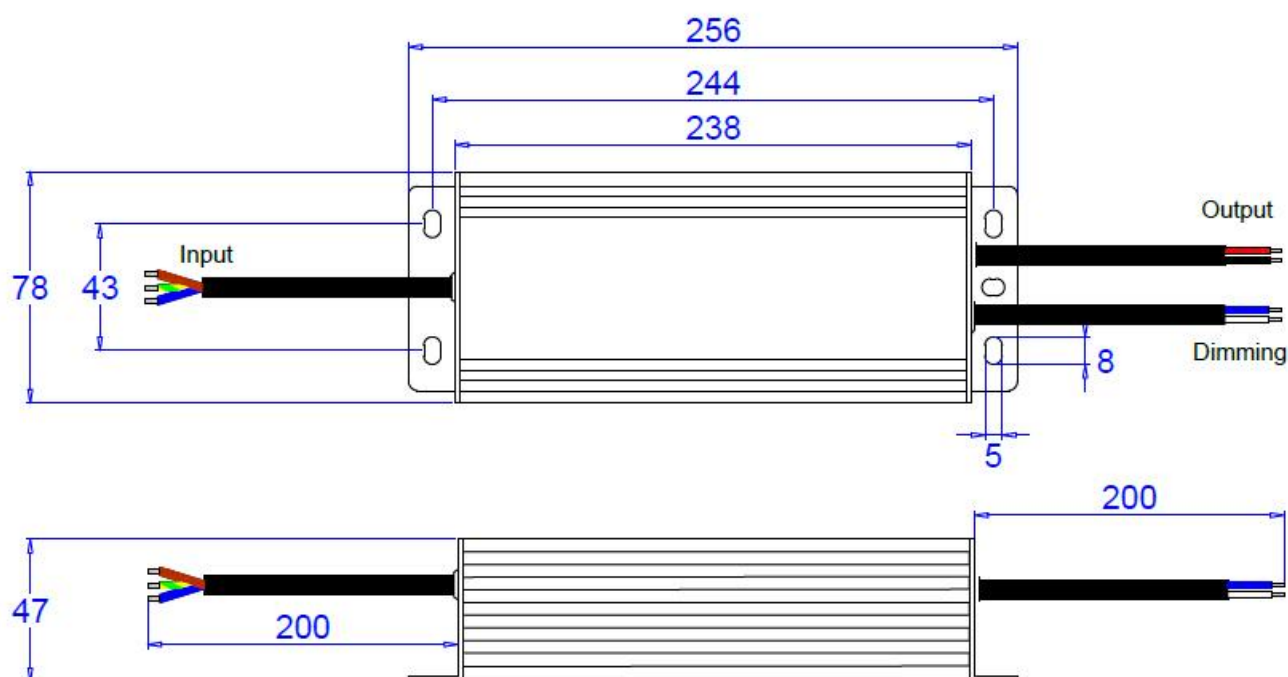
All the specifications are typical and at 25 °C Tcase unless specified otherwise

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Mechanical Specifications

Mechanical Drawing and Dimensions



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