

EZJ-BOX | E-SERIES

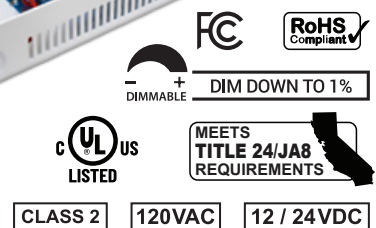
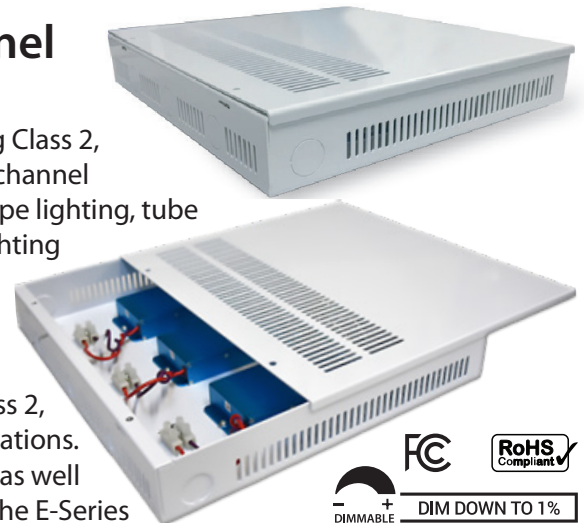
P/N: EZJ

Constant Voltage Electronic Phase-Dimmable LED Driver | Multi-Channel

The EZJ-BOX (EZ Junction Box) series features select Magnitude Lighting Class 2, electronic LED drivers integrated into a simple surface-mounted, multi-channel junction box, making it the perfect product for multi-output needs in tape lighting, tube lighting, linear lighting, and multiple other residential or commercial lighting applications. The high-quality metal, UL Listed junction box includes multiple $\frac{7}{8}$ " knock-outs and comes pre-wired for quick and easy installation.

The EZJ-BOX | E-Series uses Magnitude Lighting's E-Series Electronic Class 2, phase-dimmable LED drivers and is available in 2- or 3-channel configurations. The driver features auto-reset, over current and short circuit protection, as well as an efficiency over 90% resulting in low operating case temperature. The E-Series is phase-dimmable down to 1% with leading-edge TRIAC Dimmers.

- Installation:** Integrated junction box with multiple $\frac{7}{8}$ " knock-outs
- Driver Type:** Class 2 Multi-Channel
- Dimming:** Phase-dimmable down to 1% with Leading-edge TRIAC Dimmers
- Input Voltage:** 120VAC, 50/60 Hz
- Output Voltage:** 12VDC or 24VDC
- Environmental:** Dry
- Listing:** UL Listed
- Certifications:** UL8750 | CSA C22.2 No. 250.13-17
- Warranty:** 5-Year



EZJ-BOX Series contains 2-3 drivers and can be horizontally or vertically mounted.

E-Series is also available in:

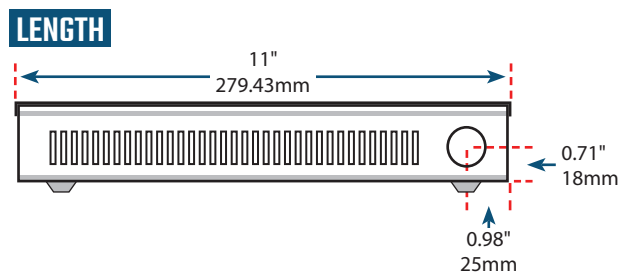
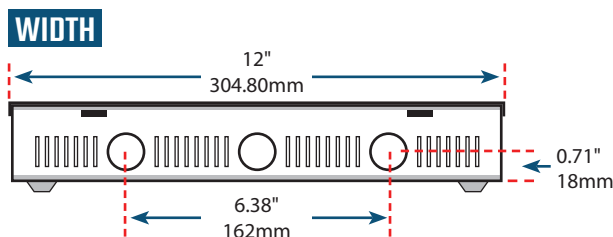
- ◆ E-Series UL Listed
- ◆ E-Series UL Recognized
- ◆ JB-Series

Please refer to magnitudeinc.com for more information.

ORDERING GUIDE

| Part No. | Description |
|-------------|---|
| EZJ120L12DC | EZ J-Box, Constant Voltage, Phase-Cut Dimming, UL Listed, 60W x 2 (120W), 120VAC, 12VDC |
| EZJ180L12DC | EZ J-Box, Constant Voltage, Phase-Cut Dimming, UL Listed, 60W x 3 (180W), 120VAC, 12VDC |
| EZJ192L24DC | EZ J-Box, Constant Voltage, Phase-Cut Dimming, UL Listed, 96W x 2 (192W), 120VAC, 24VDC |
| EZJ288L24DC | EZ J-Box, Constant Voltage, Phase-Cut Dimming, UL Listed, 96W x 3 (288W), 120VAC, 24VDC |

| DIMENSIONS | |
|------------|----------------|
| LENGTH | 11" (279.43mm) |
| WIDTH | 12" (304.80mm) |
| HEIGHT | 2.13" (54mm) |



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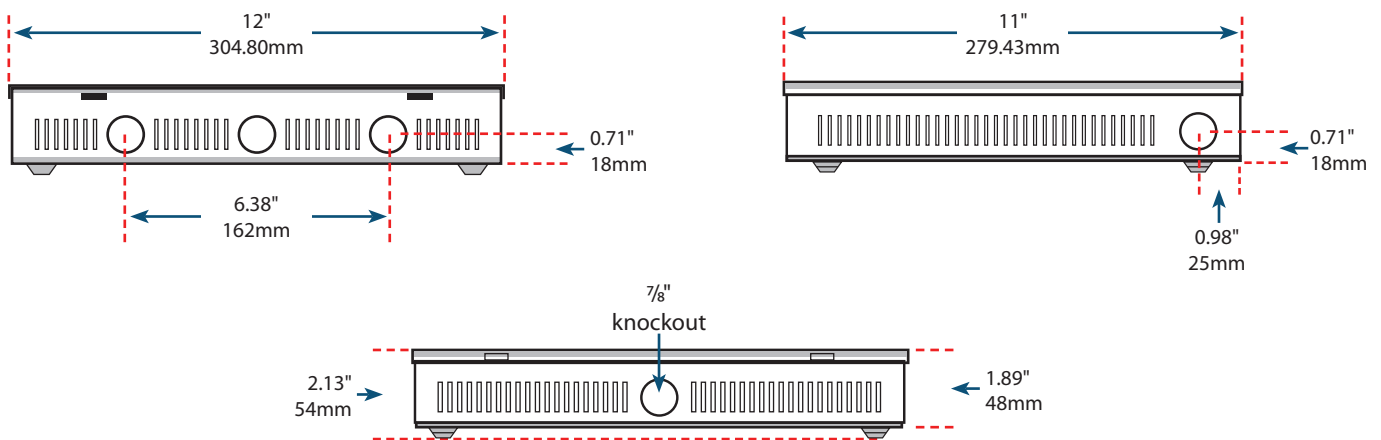
Specifications

| INPUT | 120W | 180W | 192W | 288W |
|-------------------------------|---|------------------|------------------|------------------|
| Input Voltage Range | 120VAC ± 10% | | | |
| Input Frequency | 50 / 60Hz | 50 / 60Hz | 50 / 60Hz | 50 / 60Hz |
| Input Current | 1.22 Max | 1.83 Max | 1.70 Max | 2.55 Max |
| Efficiency | >90% | >90% | >90% | >90% |
| Power Factor | 0.95 | 0.95 | 0.95 | 0.95 |
| OUTPUT PER CHANNEL | | | | |
| Max Load | 120W | 180W | 192W | 288W |
| Output Voltage @ Max Load | 12.0 VDC | 24.0 VDC | 24.0 VDC | 24.0 VDC |
| Output Current @ Max Load | 5A | 5A | 4.16A | 4.16 |
| ENVIRONMENTAL | | | | |
| Operating Temperature | -30°C - +50°C (-22°F - 122°F) | | | |
| DIMMING | | | | |
| Minimum Dimming Level | 1% | 1% | 1% | 1% |
| PROTECTION | | | | |
| Circuit Breaker | Short circuit & over-voltage auto-reset | | | |
| MECHANICAL HOUSING | | | | |
| Primary Leads | Terminal Block | Terminal Block | Terminal Block | Terminal Block |
| Secondary Leads | Terminal Block | Terminal Block | Terminal Block | Terminal Block |
| Length | 11" (279.43mm) | 11" (279.43mm) | 11" (279.43mm) | 11" (279.43mm) |
| Width | 12" (304.8mm) | 12" (304.8mm) | 12" (304.8mm) | 12" (304.8mm) |
| Height | 2.13" (54mm) | 2.13" (54mm) | 2.13" (54mm) | 2.13" (54mm) |
| Weight | 7.27 lbs. | 7.27 lbs. | 7.27 lbs. | 7.27 lbs. |
| Housing Material | Galvanized Steel | Galvanized Steel | Galvanized Steel | Galvanized Steel |
| Housing Color | White | White | White | White |
| Junction Box | Yes | Yes | Yes | Yes |
| Mounting | 4-Keyhole Mount | 4-Keyhole Mount | 4-Keyhole Mount | 4-Keyhole Mount |
| APPROVAL MARKINGS | | | | |
| Certificates / Approval Signs | UL8750 Class 2 | UL8750 Class 2 | UL8750 Class 2 | UL8750 Class 2 |

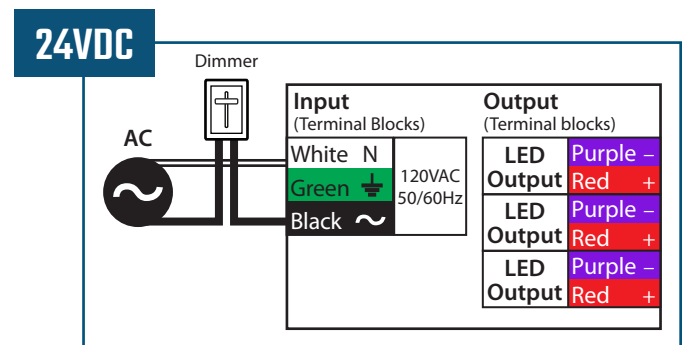
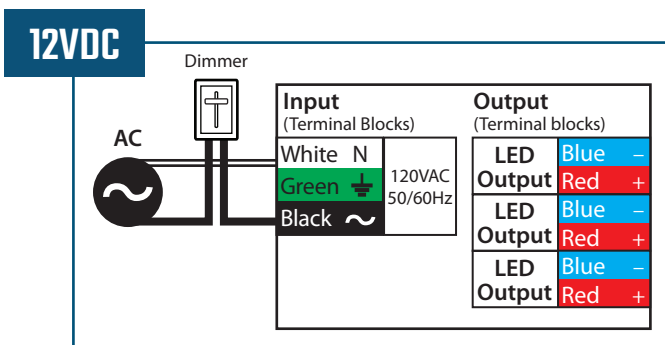
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Mechanical Diagrams Dimensions for 60W x 3 EZJ-BOX



Wiring Diagrams 12VDC & 24VDC Output

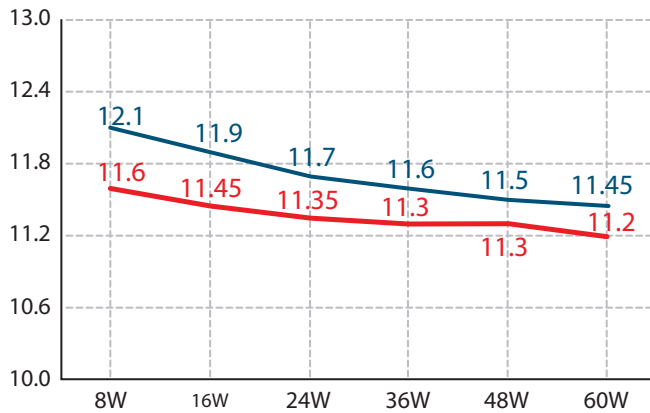


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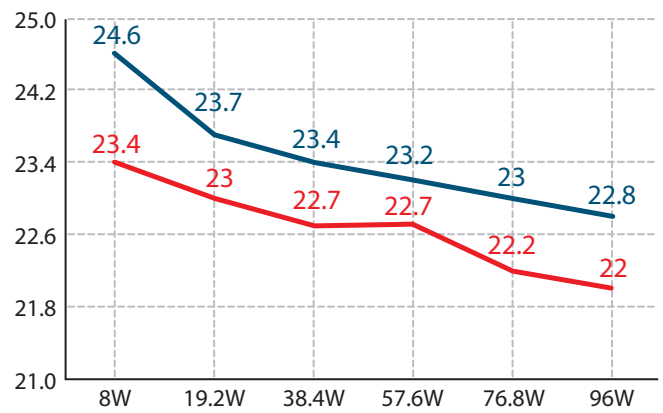
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Output vs. Load (Per Channel)

60W (12VDC)



96W (24VDC)



- Output Voltage vs. Load
- Output voltage with a typical TRIAC dimmer (on max)