

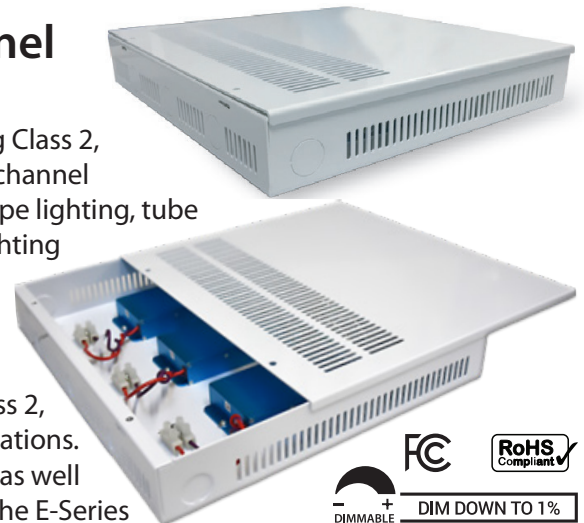
# EZJ-BOX | E-SERIES

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.



CLASS 2 120VAC 12 / 24VDC

- 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:

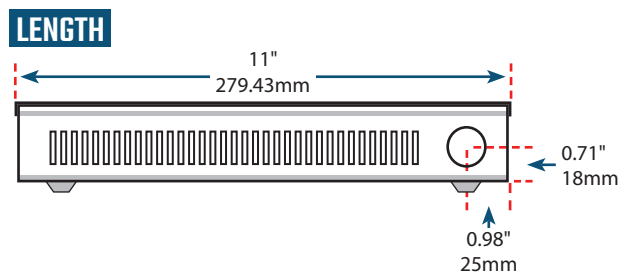
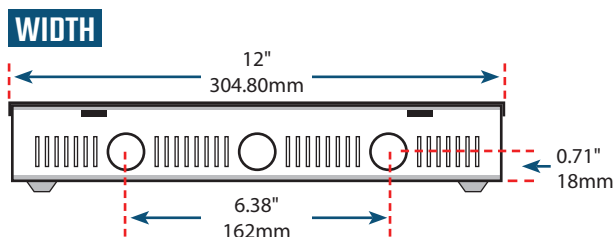
- ◆ E-Series UL Listed
- ◆ E-Series UL Recognized
- ◆ JB-Series

Please refer to [magnitudeinc.com](http://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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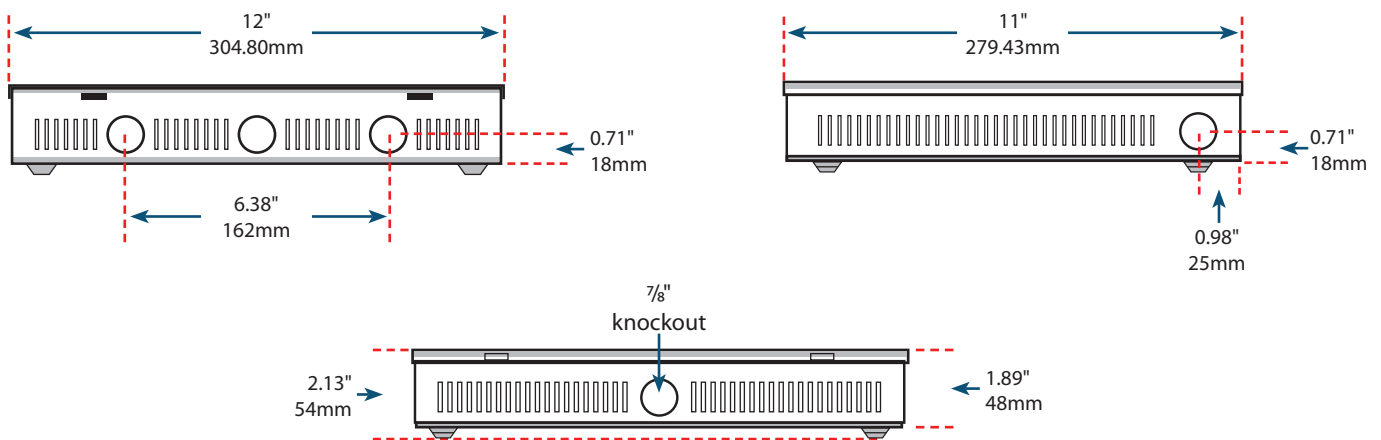
### Specifications

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
<b>OUTPUT PER CHANNEL</b>				
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
<b>ENVIRONMENTAL</b>				
Operating Temperature	-30°C - +50°C (-22°F - 122°F)			
<b>DIMMING</b>				
Minimum Dimming Level	1%	1%	1%	1%
<b>PROTECTION</b>				
Circuit Breaker	Short circuit & over-voltage auto-reset			
<b>MECHANICAL HOUSING</b>				
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
<b>APPROVAL MARKINGS</b>				
Certificates / Approval Signs	UL8750 Class 2	UL8750 Class 2	UL8750 Class 2	UL8750 Class 2

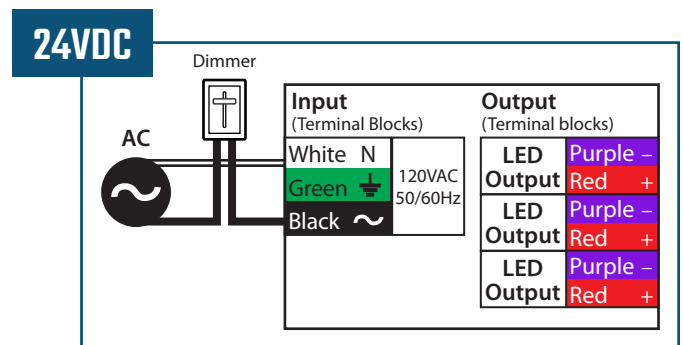
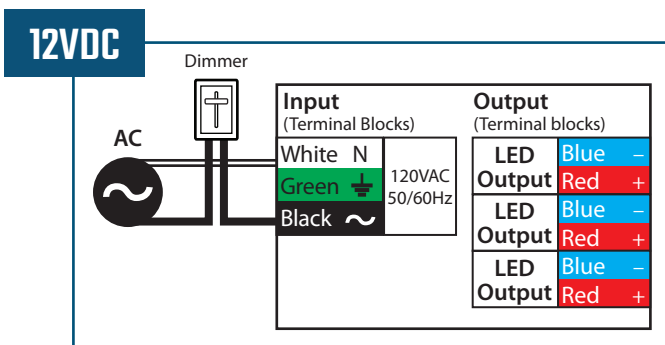
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## Mechanical Diagrams Dimensions for 60W x 3 EZJ-BOX



## Wiring Diagrams 12VDC & 24VDC Output

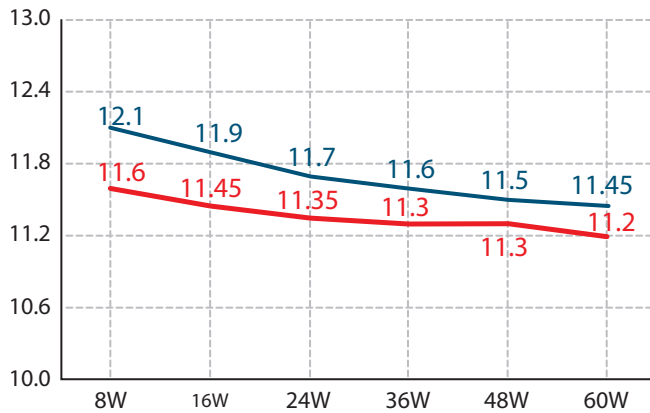


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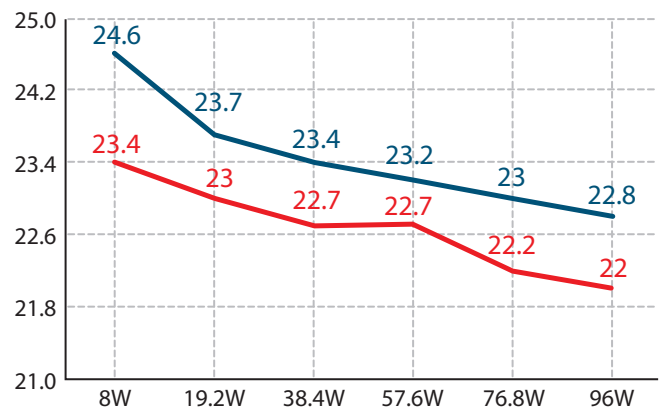
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## Output vs. Load (Per Channel)

**60W (12VDC)**



**96W (24VDC)**



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