

JBZT-SERIES | SOLIDRIVE PRO-V

Constant Voltage Electronic LED Driver

Phase-Cut | Zone Multi-Channel Dimming

Specification Sheet

The Junction Box Zone (JBZT) Series delivers a zone dimmable multi-channel solution for select Magnitude Class 2, electronic LED drivers making it the perfect product for multi-output commercial lighting applications. Available in surface or plenum rated recessed mount, the high-quality metal junction box includes multiple 1¹/₈" knockouts and comes pre-wired for quick and easy installation. The JBZT-SERIES is constructed with a high voltage compartment and utilizes DIN rail terminal blocks to support independent channel outputs.



2 Channels
 17.83" L x 15.00" W x 4.17" H



3 to 6 Channels
 34.7" L x 15" W x 4.17" H

The phase-cut JBZT-SERIES | SOLIDRIVE PRO-V uses Magnitude's SOLIDRIVE electronic Class 2, dimmable LED driver. It's available in 2 to 6 channel configurations with zone dimming across the channels. The driver features hiccup mode, over current and short circuit protection as well as an efficiency over 84% resulting in low operating case temperature. The SOLIDRIVE SERIES is phase-cut dimmable down to 0.1%.

Installation: Integrated junction box with multiple 1¹/₈" knockouts

Driver Type: Class 2 multi-channel

Dimming: Phase-cut dimmable down to 0.1%

Channel Dimming: Individual zone dimming across all channels

Input Voltage: Universal 120VAC to 277VAC, 50/60Hz

Output Voltage: 24 VDC

Environmental: Dry

Listing: UL Listed

Certifications: UL8750, UL2108 CSA C22.2 No. 250.0-08

Warranty: 5 year

TYPE HL **24VDC**

CLASS 2 **SELV** **120 - 277VAC**



SOLIDRIVE is also available in:

- SOLIDRIVE UL with Junction Boxes
- SOLIDRIVE UL without Junction Boxes
- EZJ SOLIDRIVE

Please refer to www.magnitudeinc.com for more details.

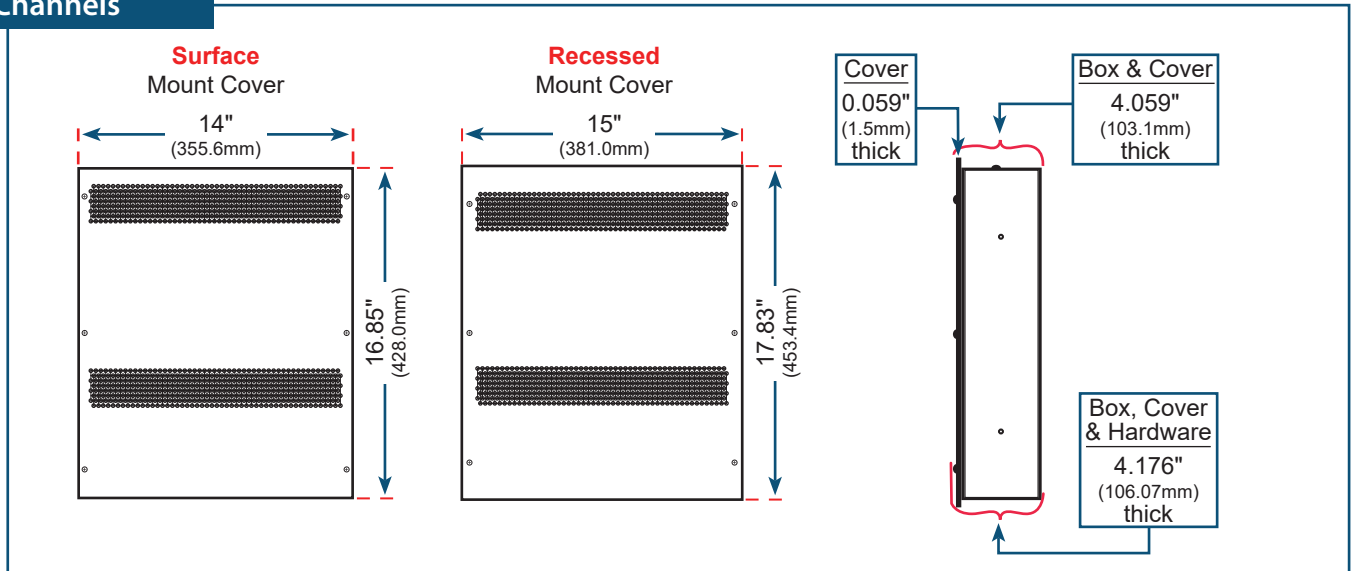
ORDERING GUIDE

TYPE	No. of Channels	Driver Series	Dimming Type	Max Power Per Channel	Driver Type	Output	Mounting	Finish
JBZT	2 — 2 channel	VOP — SOLIDRIVE PRO-V	MLV-ELV Phase	30 — 30W	R — Recognized	24 — 24VDC	R — Recessed	W — White
	3 — 3 channel			60 — 60W				
	4 — 4 channel			96 — 96W				
	5 — 5 channel							
	6 — 6 channel							

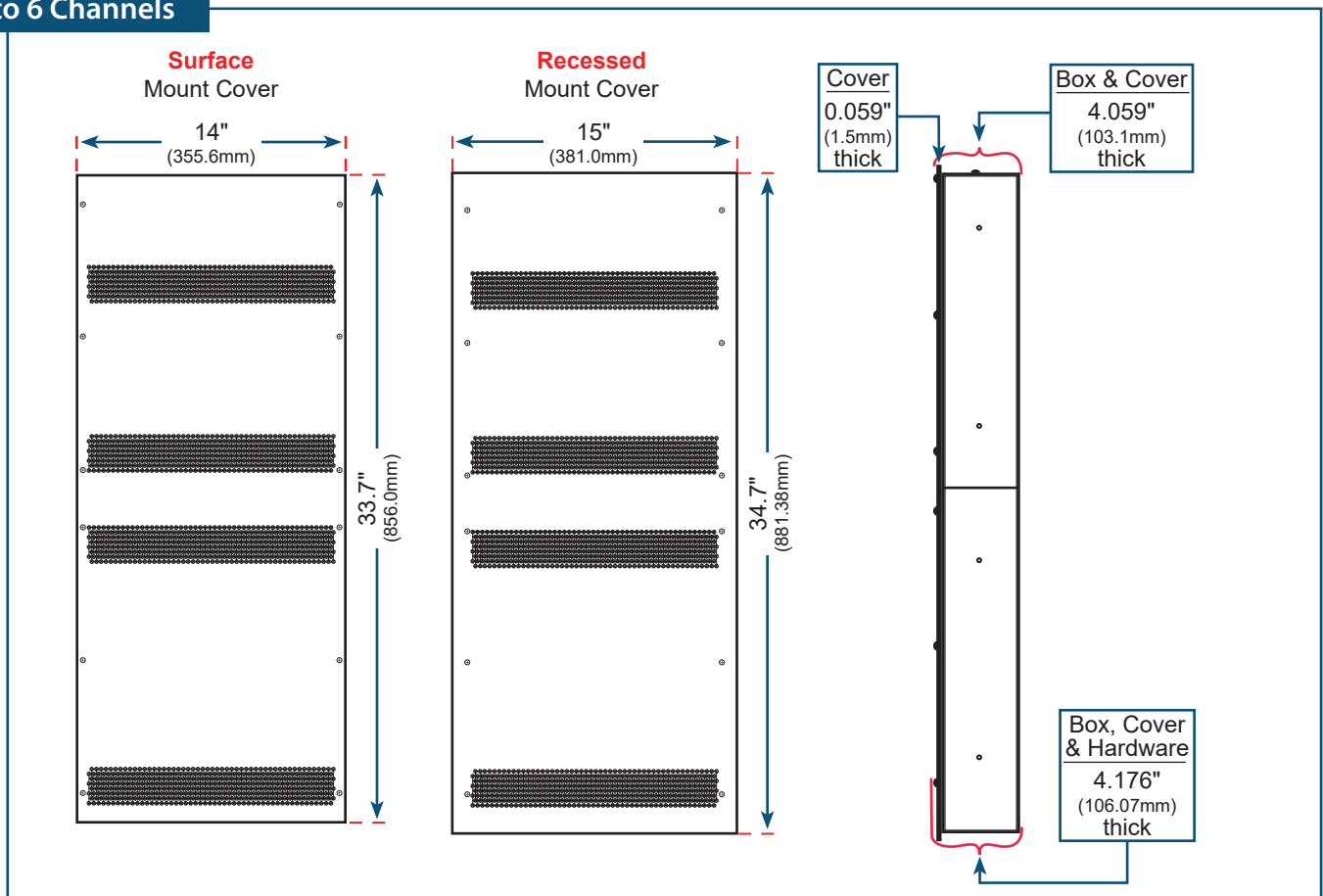
SPECIFICATIONS			
MAX LOAD	30W	60W	96W
INPUT			
Input Voltage Range	120 to 277VAC $\pm$ 10%	120 to 277VAC $\pm$ 10%	120 to 277VAC $\pm$ 10%
Input Frequency	50 / 60Hz	50 / 60Hz	50 / 60Hz
Input Current	0.96A Max per Channel	0.96A Max per Channel	0.96A Max per Channel
Efficiency	> 84% Max	> 84% Max	>84% Max
Power Factor	> 0.91	> 0.95	0.95
Input Terminal Wire Gauge Range	12 to 26 gauge	12 to 26 gauge	12 to 26 gauge
OUTPUT (Per Channel)			
Max Load	30W	60W	96W
Output Voltage @ Max Load	24.0 VDC	24.0 VDC	24.0 VDC
Output Current @ Max Load	1.3A	2.6A	4.1A
Output Terminal Wire Gauge Range	12 to 26 gauge	12 to 26 gauge	12 to 26 gauge
ENVIRONMENTAL			
Operating Temperature	-30°C - +50°C (-22°F - 122°F)	-30°C - +50°C (-22°F - 122°F)	-30°C to +50°C (-22°F to 122°F)
DIMMING			
Minimum Dimming Level	0.1%	0.1%	0.1%
PROTECTION			
Circuit Breaker	Hiccup Mode Over Current Short Circuit	Hiccup Mode Over Current Short Circuit	Hiccup Mode Over Current Short Circuit
APPROVAL MARKINGS			
Certificates / Approval Signs	UL8750 / UL2108	UL8750 / UL2108	UL8750 / UL2108

MECHANICAL DIAGRAMS

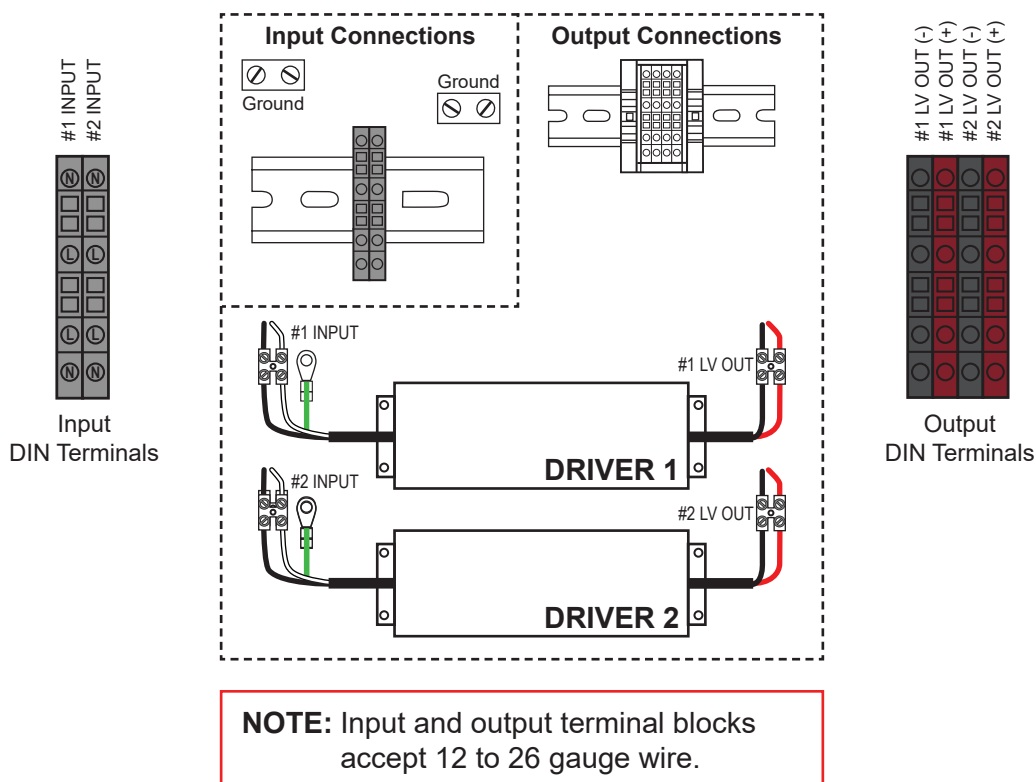
2 Channels



3 to 6 Channels



WIRING DIAGRAM | 2 CHANNELS



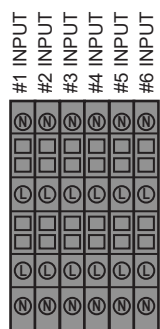
JBZT-SERIES | SOLIDRIVE PRO-V

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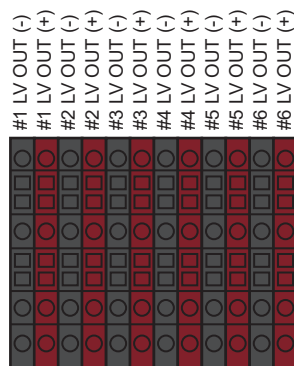
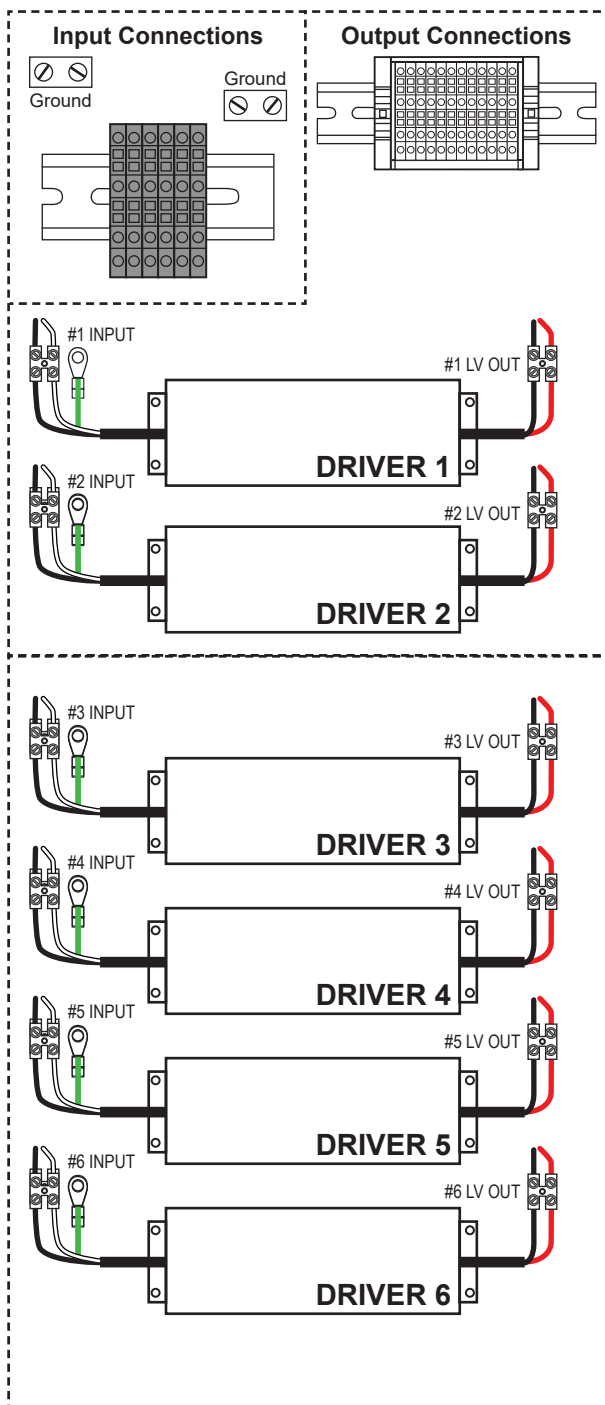
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WIRING DIAGRAM | 3 TO 6 CHANNELS



Input
DIN Terminals



Output DIN Terminals

NOTES

- Wiring diagram is typical for 3 to 5 channel version
- Input and output terminal blocks accept 12 to 26 gauge wire