

Premium Class 2 Dimming LED Driver

Magnetic Low Voltage Transformer

Pure DC MOSFET Supply

Fully Regulated

0.1% DIMMING*
MADE IN USA

Multiple Inputs Available:
120, 240, 277 VAC

UL LISTED 8750,
CSA Approved

NEMA 3R Outdoor Case

Manual reset overload protection

5 Year Warranty

Electrician Installed - Strictly adhere to NEC & local code. Requires minimum 4" space in all directions. Requires adequate ventilation. Use dedicated circuit Isolated from other appliances. Load 40 - 90%

Requires Aion LED brand lighting fixture and approved dimmer or switch. Sold separately, not included

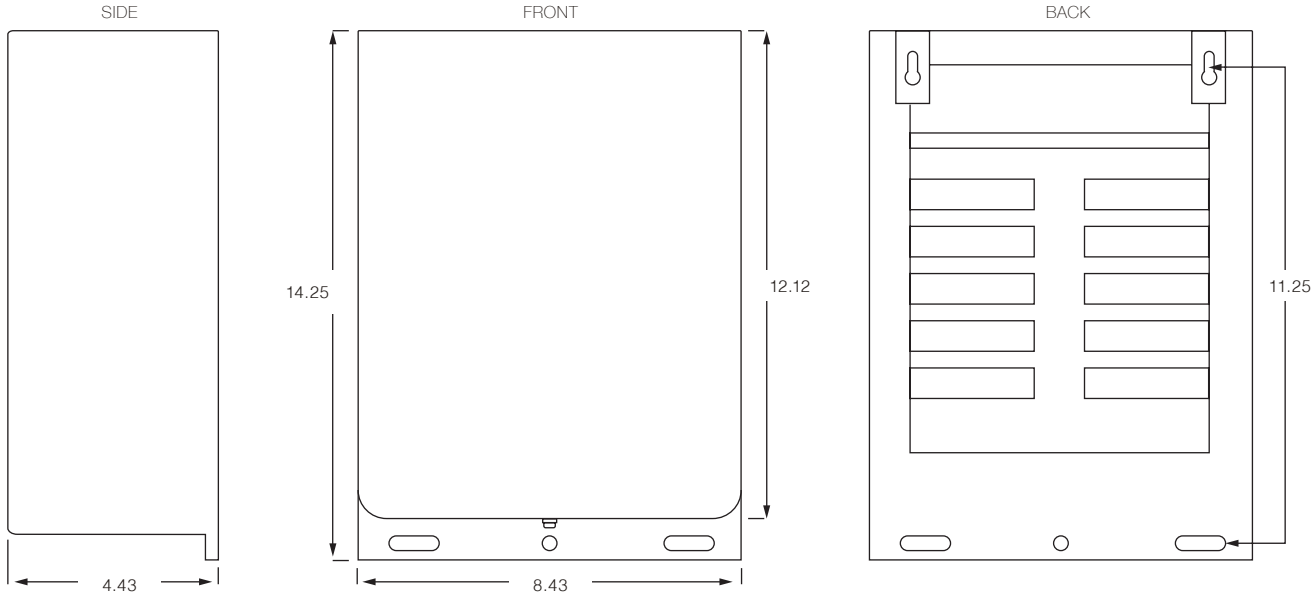
DO NOT USE PHASE ADAPTIVE CONTROLS FORWARD PHASE MLV CONTROLS ONLY

*SEE APPROVED CONTROLS LIST



Component of a complete system including: Aion LED A-Track Light Engine, Aion LED A-Track housing with diffuser lens, & Aion LED driver (power supply). Dimmer not included. Approved dimmers, controls, power supplies, cable, & other components only. Contact Aion LED for questions regarding compatibility. Electrician installed. Strictly adhere to NEC & local building code. Limited 5-year warranty against manufacturing defects only, does not cover labor; voided by: inadequate ventilation, field modifications, installation by unqualified personnel, unapproved controls, drivers, cabling, other devices, not following installation guidelines & protocol, general negligence. Installer assumes all liability with regard to property & safety. This product is UL listed. See separate "Aion LED Warranty Terms" & additional instructional materials for more information. Authorized installers only. Systems tested prior to shipping.

D300-DC3
3 x 96W Watt MLV Driver



Model	D300-DC3	Watts	3x 96W
Standard Input Voltage	120 VAC	Dimensions "	14.25 x 8.43 x 4.43
Output Voltage Loaded	24 VDC	Input Current	2.5A
Output Current	3 x 96W Class 2 Circuits	Input Frequency (Hz)	50-60
Current Limit	2.5/4.5 +/- 0.25	Efficiency	80%
Load Regulation	2%	MTBF	100,000
Line Regulation	5%	Operating Environment	-30 to +60
Function Surface Temp	-40 to +80		

Max Lengths

3000 Series	180 ft. (6 x 30)
4000 Series	90 ft. (3 x 30)
8000 Series	45 ft. (3 x 15)

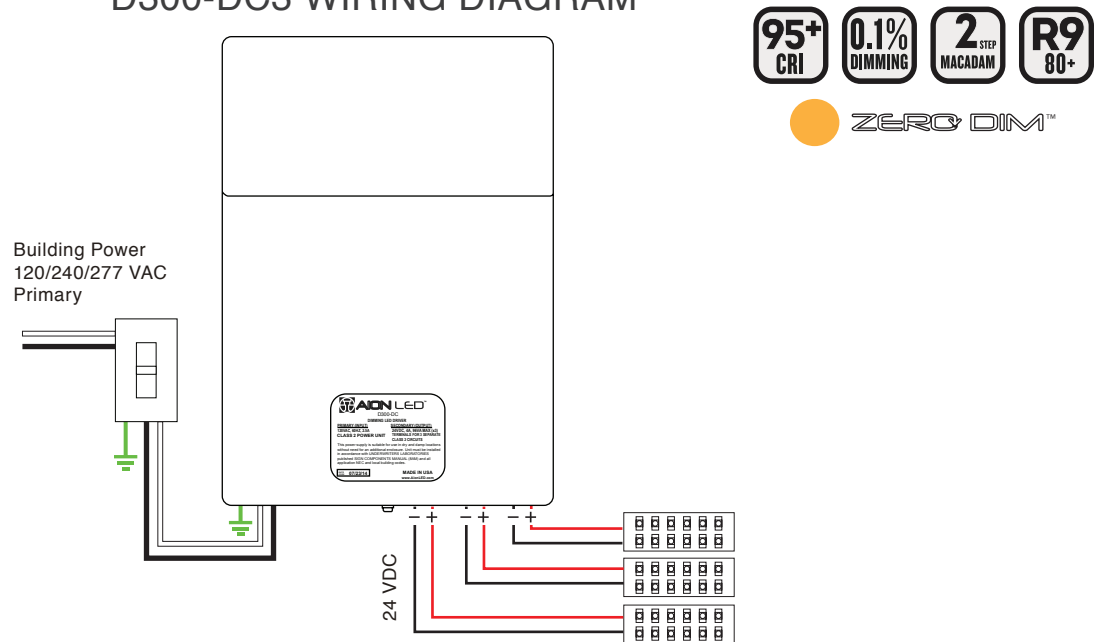
Max Wire Distance

18 AWG	27 ft.
16 AWG	44 ft.
14 AWG	70 ft.
12 AWG	112 ft.
10 AWG	180 ft.
8 AWG	286 ft.



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D300-DC3 WIRING DIAGRAM



D300-DC3 (3 X 96W)

INSTALLATION INSTRUCTIONS

1. This unit must be located 1 foot or greater above the deck or ground level. 4" space required between units.
 2. Mount this unit on a suitable vertical surface with conduit openings down.
 3. Using a ruler, measure the vertical mounting point distance for the brackets provided on the back of the enclosure.
 4. Mark the mounting surface and drill a minimum of 2 holes to match the bracket hole centers. Size the drill to accommodate #10 mounting hardware.
 5. If keyhole mounting brackets are provided, insert the hardware at the mounting point to allow for 3/16" spacing between the screw head and the mounting surface to accommodate the bracket thickness.
 6. Refer to the product labeling for detailed line and load wiring procedure.
- For connection, use No. 12-18 AWG wires insulated for a minimum of 90C, rated for 600V. Tightening torque 7 in-lbs for output terminal block.
 - Use wire connectors suitable for the number and size conductors being connected and applied in accordance with the manufacturer's instructions.
 - Minimum 20 amp supply side branch circuit.
 - A disconnect device shall be located in the field wiring.
- Aion LED DC Blue Series drivers have been factory tested for use with specific 120 VAC dimmers designed for magnetic (MLV) forward-phase loads.
- PLEASE SEE APPROVED DIMMERS PAGE FOR COMPATIBLE CONTROLS. DO NOT ATTEMPT CONNECTING UNAPPROVED DIMMERS OR CONTROLS. DAMAGE TO THE DIMMER, FIXTURE AND/OR THE POWER UNIT WILL RESULT; THE POWER UNIT WARRANTY WILL BE VOIDED.**
- Please load 40–90% MAX. Please see specifications page for fixture-specific max load/ run length information.



Lutron	MAESTRO: MRF2-6ND	0.1-1%*	(DO NOT RECOMMEND MALV-600)
	NOVA: NTLV-600	0.1-1%*	HE TRIM
	HOMEWORKS QS: RPM-4U HQRD-10ND HQRD-6ND HQRD-6CL (H2) HQRA-6CL (H2)	0.1-1%*	(DO NOT RECOMMEND RPM-4A) DO NOT SHARE WITH OTHER LOADS HE TRIM (DO NOT RECOMMEND 6NA)
	HOMEWORKS: HxD-6ND HW/LP RPM -4U-120†	0.1-1%*	HE TRIM † (DO NOT RECOMMEND RPM-4A) DO NOT SHARE WITH OTHER LOADS
	RADIO RA2: RRD-10ND RRD-6CL(R3)	0.1-1%*	(DO NOT RECOMMEND 6NA) HE TRIM
	GRAFIK EYE QS: LQRJ-WPM-6P	0.1-1%*	HE TRIM
	GRAFIK EYE 3000: HWI-WPM-6D-120	0.1-1%*	HE TRIM
	STANZA: SZ-6ND	0.1-1%*	HE TRIM
	PHPM-PA <i>FORWARD-PHASE ONLY</i> <i>PHPM-PA-120-FP-WH-CPN6366</i> <i>PHPM-PA-DV-FP-WH-CPN6366</i>	0.1-1%*	HE TRIM USE WITH UP & RP
	PHPM-WBX	0.1-1%*	HE TRIM
	PANEL MODULE: GP (Harrier) Card	0.1-1%*	HE TRIM
	CASETA WIRELESS: PD-6WCL (SD11)	0.1-1%*	HE TRIM
ETC	D20AF	0.1%	SENSOR RACK
Forbes & Lomax	ROTARY DIMMER : FLRLV603-P	0.1%	
Vantage	STANDARD DIMMER MODULE SDM12-EM	0.1%	HE TRIM
	WIRELINK SCENEPOINT DIMMER: DS15TE-AWYA	0.1%	HE TRIM
	RADIOLINK SCENEPOINT DIMMER: RD15TE-AWYA	0.1%	HE TRIM
Crestron	GLX-DIM6	0.1%	HE TRIM
Le Grand	ADORN: ADTP703TU(W4)	0.1%	HE TRIM
	Adorn Wireless: ADTG700MMTU(W2)	0.1%	HE TRIM

Testing completed by Aion LED and various controls manufacturers to ensure compatibility.

MLV FORWARD PHASE ONLY. DO NOT USE ADAPTIVE PHASE CONTROLS

Low-end dimming minimum threshold varies by control and can be set when programming trim levels.

Use high-end trim (HE Trim) to eliminate dead travel, set low trim to lowest level dimmer will allow.

*Lowest dim levels achieved with little or no LE Trim. Dimmer manufacturers may recommend setting LE Trim higher to increase start time when necessary.