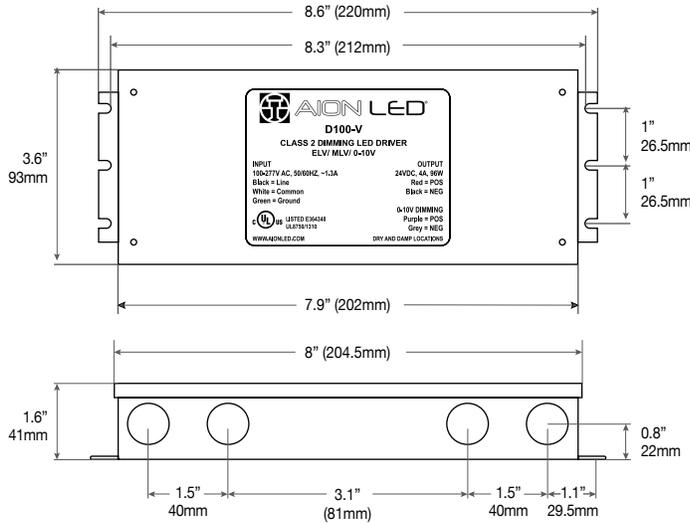


# D100-V

96W ELV / MLV / 0-10V Driver

**ZERO DIM®**



Class 2 LED Driver

Universal Dimming:

TRIAC  
 ELV/ Reverse Phase  
 MLV/ Forward Phase  
 0-10V

IP66 Dry & Damp Location

2016 JA8 CA Title24 Listed  
 Requires Aion LED 1524 Light Engine

Enclosure Includes Wiring Compartment

Rated lifetime:  
 50,000 hours

5 Year Warranty

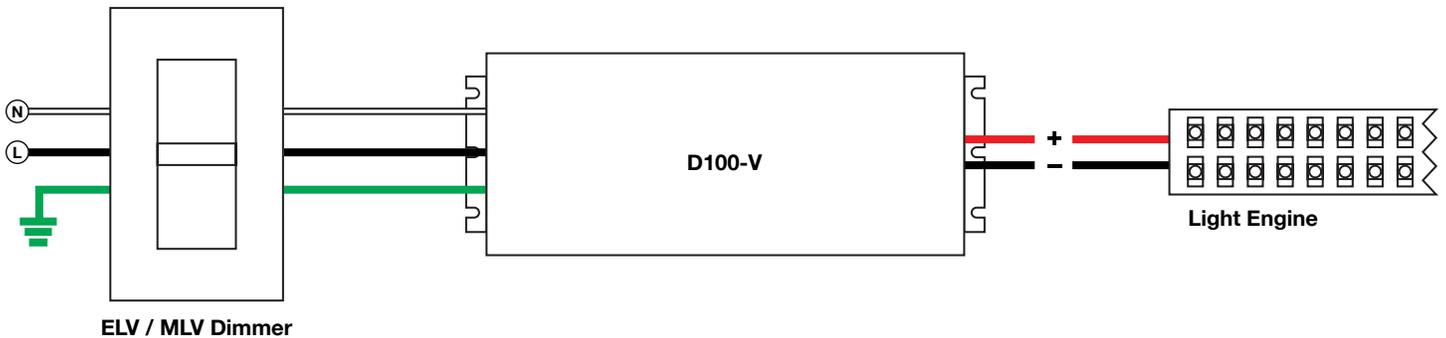
<b>Model</b>	<b>D100-V</b>	<b>Load Regulation</b>	±1%
<b>Dimensions (L x W x H)</b>	8.6" (218mm) x 3.6" (91mm) x 1.6" (40mm)	<b>Input Voltage</b>	100V-277V AC
<b>Weight</b>	2.8lbs (1.3Kg)	<b>Input Frequency</b>	47-63Hz
<b>Output Voltage</b>	24V	<b>Power Factor</b>	0.98@120V AC 0.95@277V AC
<b>Output Current</b>	4A	<b>Efficiency</b>	83% @120V AC 86% @277V AC
<b>Power</b>	96W	<b>Max. AC Current</b>	1.3A @ 100VAC
<b>Line Tolerance</b>	±0.5V	<b>Inrush Current</b>	20A, 50%, 1.6ms
<b>Line Regulation</b>	±0.5%	<b>Operating Temperature</b>	-40°C ~ +60°C

Hardwire Lead  
 Standard



## D100-V

### Triac ELV/ MLV Wiring & Installation



1. This unit must be located 1 foot or greater above the deck or ground level. 4" space required between units.
  2. 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.
  3. 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.
  - Reference V-Series approved dimmers list for compatible controls. Never connect any dimmer not designed for low voltage electronic or magnetic loads. Damage to the dimmer and/or driver will result, and the driver warranty will be void.

### Max LED Lengths

6624-___-LE	8 ft.
1524-___-LE	30 ft.
8924-___-LE	15 ft.
4924-___-LE	30 ft.
3924-___-LE	2 x 30 ft.

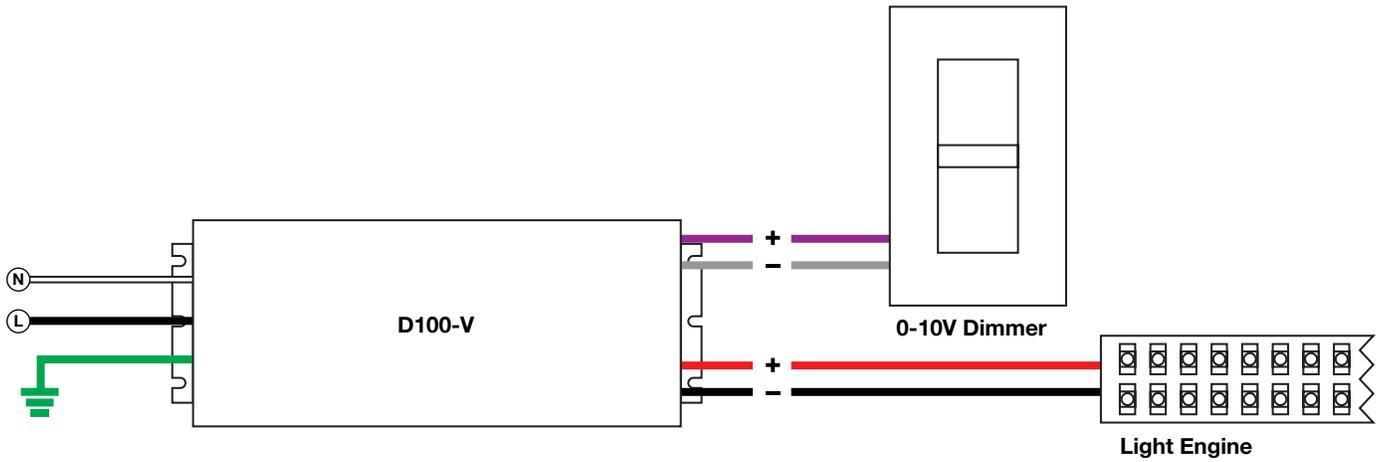
### Voltage Drop

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



## D100-V

### 0-10V Wiring & Installation



1. Install per NEC and local code by qualified personnel
  2. Shut off power at the breaker
  3. AC Input (Primary) requires 100-277 VAC power and ground
  4. Connect AC within wiring compartment
  5. This unit requires 4" space in all directions
  6. Refer to the product labeling for detailed line and load wiring procedure
- Purple/ Gray/ Yellow connect to 0-10V Dimmer  
Maximum Current Output: 6mA
  - Red/ Black connect to class 2 fixture
  - Load 90% MAX (Reference Max. Lengths Chart)

#### Max LED Lengths

6624-___-LE	8 ft.
1524-___-LE	30 ft.
8924-___-LE	15 ft.
4924-___-LE	30 ft.
3924-___-LE	2 x 30 ft.

#### Voltage Drop

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

