

ELV/MLV DIMMABLE DRIVERS

High-efficiency universal constant voltage driver for flicker-free dimming, compatible with forward and reverse phase dimmers.

- 24 VDC, 100-277 VAC
- 60W, 96W, 150W, 300W available
- Dimming range: 1%-100%
- IP67, dry and damp location rated
- Overload, short circuit protection
- Class 2 output (60W, 96W)
- Black powder coated steel case
- UL Listed in U.S. and Canada. Your city may require a UL Listed or UL Recognized component, both of which this product satisfies.
- 7-year warranty



RoHS

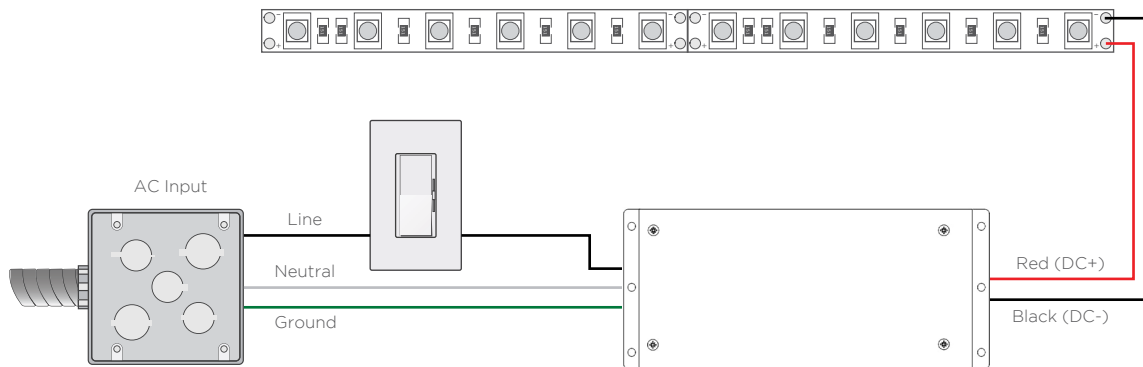
SELV

IP67

ORDERING GUIDE

Category	Waterproof	Wattage	
DRV	W		
DRV - 24 V Driver	W - Waterproof	2460ELVMLV - 60 W	24150ELVMLV - 150 W
		2496ELVMLV - 96 W	24300ELVMLV - 300 W

WIRING DIAGRAM

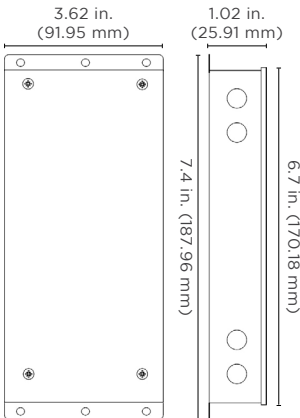
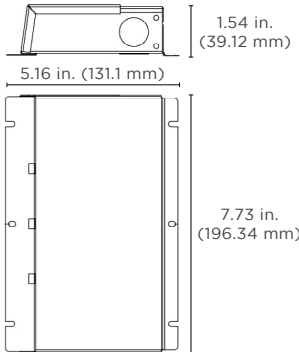


DRIVER REMOTE DISTANCES

Wattages	60 W		96 W		150 W		300 W	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.20 mm²	9.94	3.030	6.21	1.894	3.98	1.212	1.99	0.606
22 AWG / 0.33 mm²	16.82	5.128	10.51	3.205	6.73	2.051	3.36	1.026
20 AWG / 0.52 mm²	25.73	7.843	16.08	4.902	10.29	3.137	5.15	1.569
18 AWG / 0.82 mm²	41.65	12.698	26.03	7.937	16.66	5.079	8.33	2.540
16 AWG / 1.31 mm²	67.28	20.513	42.05	12.821	26.91	8.205	13.46	4.103
14 AWG / 2.08 mm²	106.67	32.520	66.67	20.325	42.67	13.008	21.33	6.504
12 AWG / 3.31 mm²	168.21	51.282	105.13	32.051	67.28	20.513	33.64	10.256
10 AWG / 5.26 mm²	265.05	80.808	165.66	50.505	106.02	32.323	53.01	16.162
8 AWG / 8.37 mm²	416.51	126.984	260.32	79.365	166.60	50.794	83.30	25.397

NOTE: Calculations include a standard 10% buffer

SPECIFICATIONS

	60 W	96 W
		
Output Voltage (DC)	24 VDC	24 VDC
Rated Current	2.5 A	4.0 A
Rated Power	60 W	96 W
Input Voltage Range (VAC)	100-277 VAC	100-277 VAC
Input Current	0.9 A max	1.3 A AC
Frequency Range	50 / 60 Hz	50 / 60 Hz
Efficiency	> 90%	> 90%
Power Factor	> 0.90	> 0.90
Withstand Voltage	1500 VAC	1500 VAC
Dimming Range	1% - 100%	1% - 100%
Ambient Temperature Range	-40 — 113 °F (-40 — 45 °C)	-40 — 113 °F (-40 — 45 °C)
Protection	Short circuit and overload	Short circuit and overload
IP Rating	IP67	IP67
Safety Standards	Conforms to UL STD. 1310, Certified to CSA STD. C22.2 No. 223, CE	Conforms to UL STD. 1310, Certified to CSA STD. C22.2 No. 223, CE
Dimensions (L x W x H)	7.4 x 3.62 x 1.02 in. (187.96 x 91.95 x 25.91 mm)	7.73 x 5.16 x 1.54 in. (196.34 x 131.1 x 39.12 mm)
Weight	0.24 lbs / 0.11 kg	3.7 lbs / 1.36 kg
Warranty	7 years	7 years

* Mount with at least 10" of free flow air space around it

SPECIFICATIONS

	150 W	300 W
	Technical drawing of the 150W driver showing dimensions: top view (5.2 in. x 1.82 in.), side view (9.99 in. x 3.5 in. x 3.5 in.).	Technical drawing of the 300W driver showing dimensions: front view (4.25 in. x 9.92 in.), side view (1.77 in. x 10.94 in.).
Output Voltage (DC)	24 VDC	24 VDC
Rated Current	6.2 A	12.5 A
Rated Power	150 W	300 W
Input Voltage Range (VAC)	100-277 VAC	100-277 VAC
Input Current	1.8 A	3.4 A
Frequency Range	50 / 60 Hz	50 / 60 Hz
Efficiency	> 87%	> 87%
Power Factor	> 0.90	> 0.90
Withstand Voltage	1500 V AC	1500 V AC
Dimming Range	1% - 100%	1% - 100%
Temperature Range	-40 — 113 °F (-40 — 45 °C)	-40 — 113 °F (-40 — 45 °C)
Protection	Short circuit and overload	Short circuit and overload
IP Rating	IP67	IP67
Safety Standards	Conforms to UL STD. 8750 Certified to CSA STD. C22.2 No. 107.1, CE	Conforms to UL STD. 8750 Certified to CSA STD. C22.2 No. 107.1, CE
Dimensions (L x W x H)	9.99 x 5.2 x 1.82 in. (253.75 x 132.08 x 46.23 mm)	10.94 x 4.25 x 1.77 in. (277.88 x 107.95 x 44.96 mm)
Weight	3 lbs / 1.36 kg	4.2 lbs / 1.91 kg
Warranty	7 years	7 years

* Mount with at least 10" of free flow air space around it