










# PrimaVolt® Dimmable Driver

AL-98-03-12012

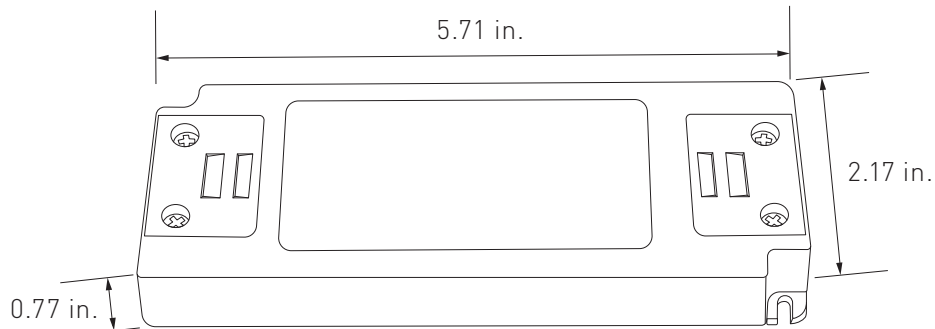


- Compatible with leading edge and trailing edge TRIAC dimmers
- Wide-range compatibility, flicker-free dimming
- Short circuit and over current protection
- Air-cooled for long life operation
- Dry environment (IP40)

## QUICK SPECIFICATIONS

<b>Input</b>		120V DC
<b>Features</b>	  	100% maximum load 60% minimum load Class 2
<b>Environment</b>	 	Dry environment (IP40) Protected against solid objects greater than 1mm
<b>Certifications</b>	 	RoHS
<b>Warranty</b>		5 year limited

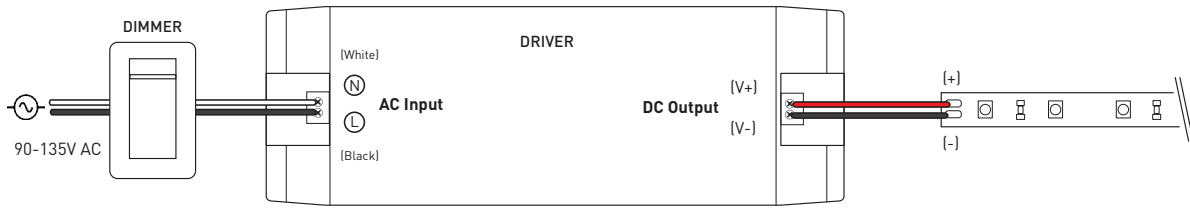
## DIMENSIONS



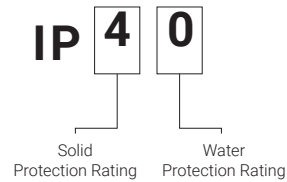
## TECHNICAL INFORMATION

Item Number		AL-98-03-12012
<b>Output</b>	DC Voltage	12V DC
	Voltage Accuracy	±5%
	Rated Current	1A
	Rated Power	12W
	Minimum Load	0% (on/off switch) / 60% (w/dimmer)
<b>Input</b>	Voltage Range	120V AC
	Frequency Range	47~63HZ
	Power Factor (Avg.)	PF≥0.92/110V ; PF≥0.94/220V ; PF≥0.95/250V
	Full Load Efficiency (Avg.)	>81% (12V DC)
	AC Current (Maximum)	0.17A/110V AC — 0.15A/170V AC — 0.12A/220V AC — 0.1A/265V AC
	Leakage Current	<0.8mA/110V AC, <0.7mA/220V AC
<b>Protection</b>	Short Circuit	Short circuit protection and autorecovery
	Over Current	1.4 times output current
<b>Environment</b>	Working Temperature, Humidity	-40~+60°C / -40~+140°F / 20~90%RH, non-condensing
	Storage Temperature, Humidity	-40~+80°C, -40~176°F / 10~95%RH
<b>Safety and EMC</b>	Safety Standards	EN-60950-1, EN-61347-1/-2/-13
	Withstand Voltage	I/P-O/P: 3.75KV AC
	Isolation Resistance	I/P-O/P: 100MΩ/500V DC/25°C, 77°F/70%RH
	EMC Emission	Compliance to EN55015, EN61000-3-2 (≥50% load)
	EMC Emission	Compliance to EN61000-4-2, 3, 4, 5, 6, 11, EN61547, a light industry level
<b>Other</b>	Warranty	5 Year Limited
	Dimensions (L x W x H)	5.71 x 2.17 x 0.77 in.

All parameters NOT specially mentioned are measured at 110V, 230V AC input, rated load, and 25°C of ambient temperature.



## IP (INGRESS PROTECTION) RATING GUIDE



### Solid Ingress Rating

<b>0</b>	Not protected against solid objects
<b>1</b>	Protected against solid objects greater than 50mm
<b>2</b>	Protected against solid objects greater than 12.5mm
<b>3</b>	Protected against solid objects greater than 2.5mm
<b>4</b>	Protected against solid objects greater than 1mm
<b>5</b>	Protected against limited amounts dust
<b>6</b>	Dust tight

### Water Ingress Rating

<b>0</b>	Not protected against water
<b>1</b>	Protected against vertically falling water droplets
<b>2</b>	Protected against vertically falling water droplets with enclosure titled up to 15°
<b>3</b>	Protected against sprays of water up to 60°
<b>4</b>	Protected against water splashes from all directions
<b>5</b>	Protected against jets of water
<b>6</b>	Protected against heavy seas and jets of water
<b>7</b>	Protected against immersion in 1m of water for up to 30 min.

## TROUBLESHOOTING

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Q: Why are the lights connected to the driver blinking roughly once a second?

A: The driver may be overloaded. Check to make sure the maximum wattage is not being exceeded. There could also be a possibility of incompatible voltage. Confirm that the driver and tape light voltage match.

Q: How do I determine the compatibility?

A: Check the voltage, wattage, load capacity of both the tape light and driver.

Q: Is it possible to have multiple runs of tape light that are daisy-chained together connect to a driver with 1 lead wire?

A: Yes, but only if the total length of consecutive runs do not exceed the tape light's maximum run and also does not exceed the driver's maximum wattage.