

## Universal Outdoor Drivers for 12V and 24V LED systems



### Applications

- Orientation/Step Lighting
- Architectural Lighting
- Channel Letters
- Contour Lighting
- Edge Lighting



LEDs have evolved into a practical, flexible light source for a wide variety of illumination applications. Common LED products available in the market today are configured in a series-parallel array – designed to be powered by a suitable 24vdc driver – which allows flexibility to connect variable load levels. These operating voltages have become the standard in the industry.

### The Brain Behind the Bright Idea

Xitanium LED drivers from Advance are designed specifically for 24V LED systems and incorporate features that enable broad commercialization of end-use solid-state lighting products.

### Features

- UL Class 2
- UL Outdoor Damp location rated - IP 66
- Ultra small, compact size
- Extreme low temperature Performance (-40°C)
- Generous high temperature capability (+60°C)
- Tightly regulated output (1% line, 5% load)
- 5 year warranty

Powered by Advance

### Benefits

- Limited output voltage and current plus isolation for safe operation
- Fully potted for moisture resistance and thermal benefits
- Facilitates new, low-profile fixture design
- Allows use in any outdoor application
- Margin flexibility to facilitate fixture design
- Consistent light output across line and load levels
- Peace of mind for your new products and for end users...from the industry's most trusted component maker
- Advance is preferred by end users – Enhance the value of your product

## Quick Selection Table

Catalog Number	Description	Application
ADV-100	Intellivolt 100 Watt 24Vdc Outdoor	• 24Vdc LED Systems

## LED Driver Specifications

Description	Catalog Number	Input			Output			Case Temp Max (°C)	Figure	Weight (Grams)
		Volts (V)	Power Max (W)	Current Max (A)	Power Max (W)	Voltage Nom (V)	Current Max (A)			
100 Watt	ADV-100	120	117.0	0.98	100.0	24.0	4.1	90	A	640
		230		0.51						
		277		.042						

Total Harmonic Distortion: 20% max

Power Factor: 90% min

Line Regulation: 1% output variation across input voltage range

Load Regulation: 5% output variation across input voltage range

Current Crest Factor: 1.5 max

Environmental Protection: IP66 outdoor rated

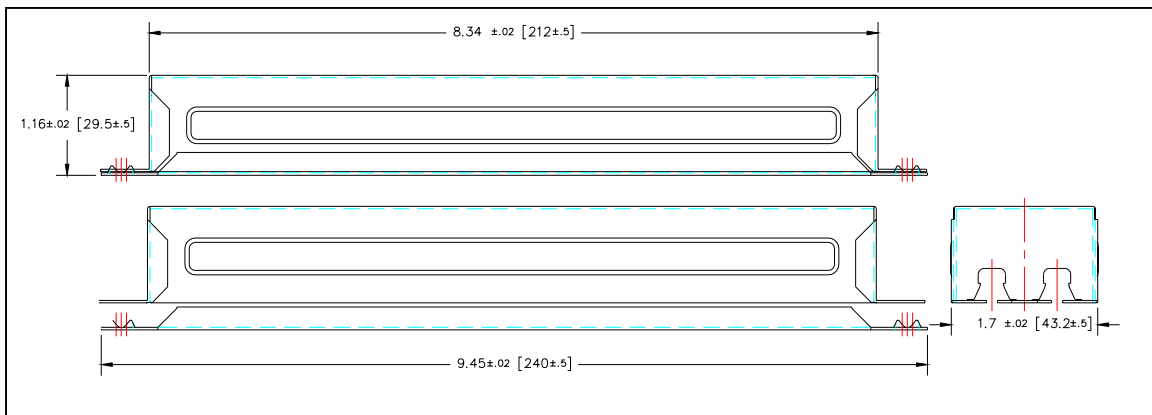
EMI: FCC47 SubPart15, CISPR15 and CISPR22 Class A

Protection: Meet UL1310 for Class 2; Inherent short-circuit protection, self-limited; overload protected; 3.2KV output insulation

AC Input and DC Output: 2 (0.78mm<sup>2</sup>) Solid Copper Wires, 15cm long

## Dimensions

Fig. A



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