

# LD100 Buck Driver Module

## Product Overview:

The LD100 is a family of compact LED driver modules providing current regulation over a wide input voltage range (8-24VAC/VDC). These drivers are an ideal choice for powering all types of high power LEDs and arrays.



The LD100 small form factor and feature set allows for easy integration into LED lighting products driving single or multiple chains of LEDs. This product is designed for long term reliability and has no “inherent limited lifetime” components (e.g. Aluminum Electrolytic Capacitors).

## Features:

- Input voltage up to 30VDC or 24VAC
- 350mA, 700mA or 1000mA constant current
- Very small form factor (1.6” L x 0.94”W x 0.35” H)
- 18AWG Wire Leads
- Reverse Polarity Protection
- Short and Open Circuit Protection
- Spike and Transient Protection
- EMI Filtering

## Applications:

- Track Lighting
- Architectural Lighting
- Solar Lighting
- Marine and Automotive Lighting
- Display Case Lighting
- Cabinetry Lighting
- Point-of-Purchase Lighting
- Reading Lights

## Part Numbers:

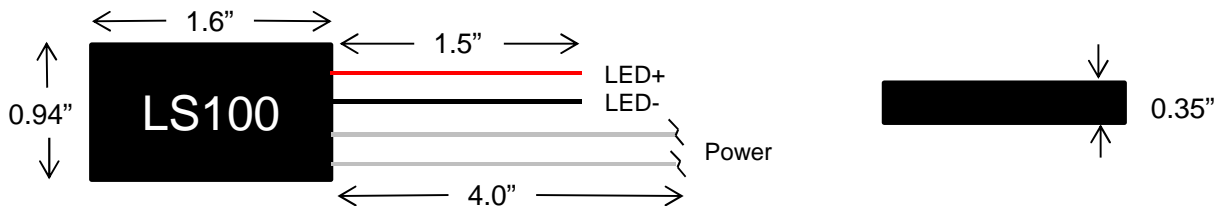
<b>LD100-350</b> (350mA LED current)
<b>LD100-700</b> (700mA LED Current)
<b>LD100-1000</b> (1000mA LED Current)

# LD100 Buck Driver Module

## Characteristics:

- Input voltage (Max): 30 VDC/24VAC
- Input voltage (Min): 8 VDC/VAC
- Typical Efficiency: 85%
- Operating Temperature: -40 to +65C
- Storage Temperature: -40 to +125C

## Dimensions:



## Application Information:

- Thermal management: Additional heat sinking may be required if driver case temperature exceeds 65C (please contact us for more information)
- Input voltage should always be ~ 2 Volts higher than LED string forward voltage (refer to table below)

Number of LEDs in Series	LED Voltage (Typ)	Allowable Input Voltage Range (Typ)
1	3V	8-24V
2	6V	8-24V
3	9V	11-24V
4	12V	14-24V
5	15V	18-24V
6	18V	21-24V

# LD100 Buck Driver Module

## Application Examples:

