

LD120 Dimmable Buck Driver Module

Product Overview:

The LD120 is a family of compact LED driver modules providing true current regulation over a wide input voltage range (10-30VDC). These drivers have 0-10V dimming capability and are ideal choice for powering all types of high power LEDs and arrays.



The LD120 compact form factor and feature set allows for easy integration into LED lighting products driving single or multiple chains of LEDs.

Features:

- Input voltage up to 30VDC
- 350mA or 700mA constant current
- 0-10V Dimming
- Very narrow form factor (2.1" L x 0.87"W x 0.83" 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:

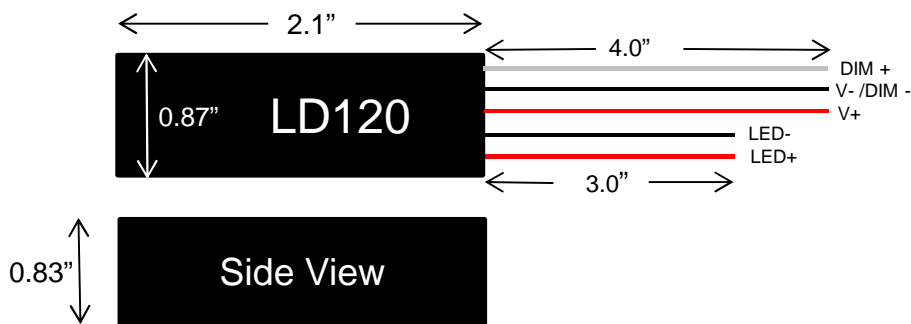
LD120-350 (350mA LED current) LD120-700 (700mA LED Current)

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Characteristics:

- Input voltage (Max): 30 VDC
- Input voltage (Min): 10 VDC
- 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

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Application Examples:

