

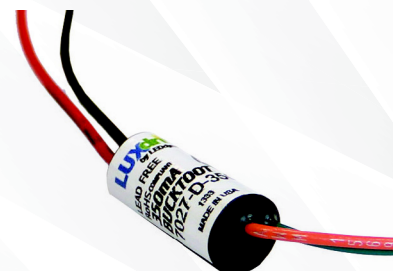
## 7027 BUCKTOOT™

### Low-Voltage LED Power Module

## PRODUCT OVERVIEW

The 7027 BuckToot™ LED Power Module is a true constant-current regulated driver for LEDs. Unlike standard power supplies, which deliver a fixed voltage to the output, the BuckToot™ LED driver is designed to reliably vary the output voltage as required to deliver a stable constant current to the LED(s). The BuckToot™ exhibits very high efficiency and does not require external current limiting resistors or additional heat sinking.

The extremely small form-factor of the 7027 BuckToot™ makes it the ideal choice for many MR-11 and MR-16 integration applications since it can easily be incorporated into the housing assembly. Fully potted and sealed from harsh environments, the BuckToot™ measures only 10mm diameter x 19mm long and is supplied with 150mm 24AWG colored leads. Custom sizes can be created to meet customer requirements. Contact LUXdrive for more information.



The 7027 BuckToot™

## FEATURES

- ✓ DC input voltage up to 28VDC surge protected
- ✓ 350mA constant current output
- ✓ Extremely small form factor1 (10mm diameter x 19mm length)
- ✓ Continuous output short circuit protection
- ✓ Continuous output open circuit protection

## TYPICAL APPLICATIONS

- ✓ Solar & Landscape Lighting
- ✓ Architectural Lighting
- ✓ Track Lighting
- ✓ Automotive & Marine Lighting
- ✓ Portable Lighting & Flashlights
- ✓ Point of Purchase Lighting
- ✓ Desk & Reading Lamps
- ✓ Signal & marker Lighting
- ✓ Cabinet & Display Case Lighting
- ✓ Sign & Channel Letters
- ✓ Much More...



Figure 1.  
Wiring Connections

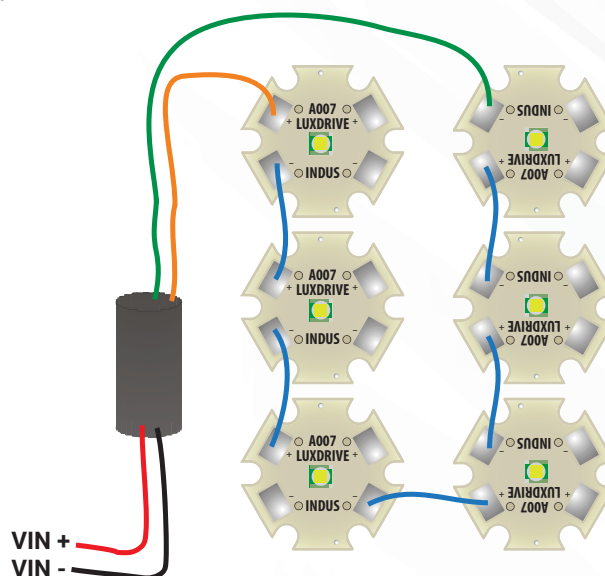


Figure 2.  
BuckToot™ powering (6) Indus Stars in series  
(VIN = 24VDC)

**RoHS**  
Compliant  
2002/95/EC



MADE IN  
  
U. S. A.

## 7027 BUCKTOOT™

### Low-Voltage LED Power Module

#### Part Number Identification Table

Part Number	DC Input	Drive Current mA	Connection Type
7027-D-350	6-30V	350	4 Wires

Notes for Table 1: Custom units available upon request, restrictions apply. Contact LUXdrive for additional details.

#### Absolute Maximum Ratings

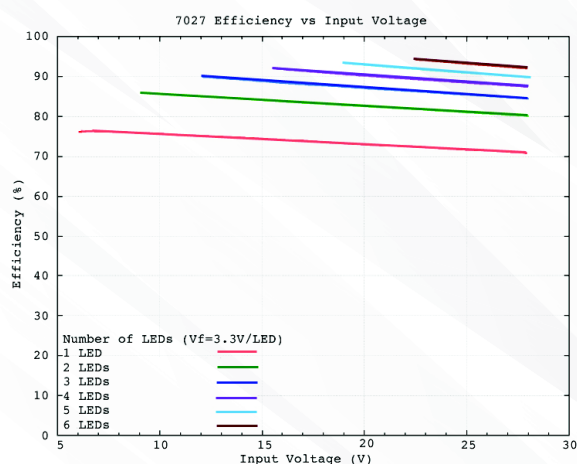
Input Voltage	30V <sub>DC</sub>
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#### Typical Characteristics

Output tolerance (within specified temp. range)	±10%
Efficiency	90%
Input Voltage Minimum	6V <sub>DC</sub>
Input Margin (Vin -Vout)	2V <sub>DC</sub>
Ripple Current	15%

#### Specifications

Output current, 7027-D-350	350mA
Operating temperature (Tcase)	-40~+85°C
Storage temperature	-40~+125°C



#### Physical Dimensions

