

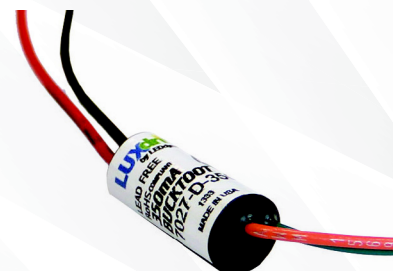
7027 BUCKTOOT™

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

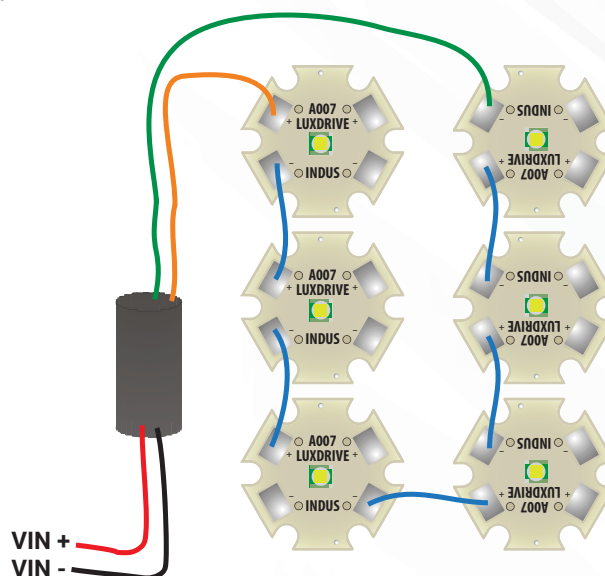


Figure 2.
BuckToot™ powering (6) Indus Stars in series
(VIN = 24VDC)



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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

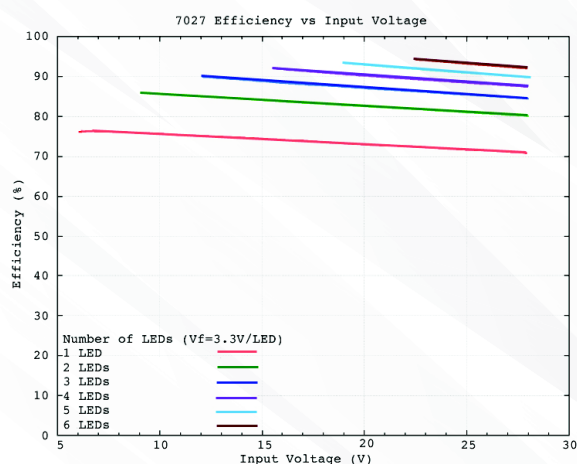
| | |
|---------------|-------------------|
| Input Voltage | 30V _{DC} |
|---------------|-------------------|

Typical Characteristics

| | |
|---|------------------|
| Output tolerance (within specified temp. range) | ±10% |
| Efficiency | 90% |
| Input Voltage Minimum | 6V _{DC} |
| Input Margin (Vin -Vout) | 2V _{DC} |
| Ripple Current | 15% |

Specifications

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



Physical Dimensions

