

### Product Overview

The 7006 BuckBullet™ AC Driver is a constant current device that allows operation of LEDs from low-voltage AC power (8-24VAC). Its moisture-resistant design allows for outdoor use with landscape lighting systems. High-speed electronics allow it to be used with either magnetic transformers or 12VAC electronic transformers commonly found in accent lighting systems.



7006 BuckBullet™ LED Driver Module powering (3) Endor Star LEDs in series ( $V_{IN} \geq 12VAC$ )

### Features

- AC input voltage up to 24VAC RMS
- True constant current output 350mA, 500mA or 700mA\*
- Extremely small form factor\* (0.5" d x 2" l)
- Output open and short circuit protection
- Not affected by voltage drops on long wire runs



Figure 1.  
Wiring Connections

### Typical Applications

- Landscape & Garden Lighting
- Architectural Lighting
- Signal & Marker Lighting
- General Illumination Lighting
- Sign Lighting

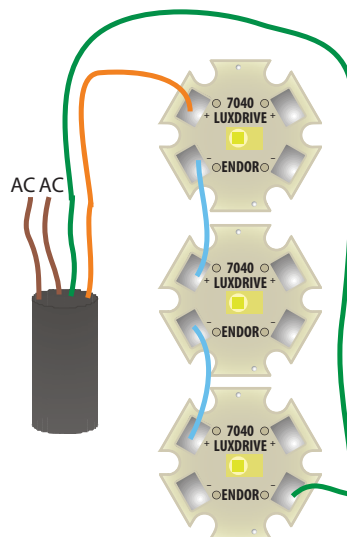


Figure 2.  
BuckBullet™ powering (3) Endor Stars in series ( $V_{IN} \geq 12VAC$ )



\* - Units can be customized for OEM applications - Contact LuxDrive for more information.

**Part Number Identification Table**

Part Number	AC Input	Output Current
7006-H-350	8-24V	350mA
7006-H-500	8-24V	500mA
7006-H-700	8-24V	700mA

**Table 1**  
Product Selection

**Cautions:**

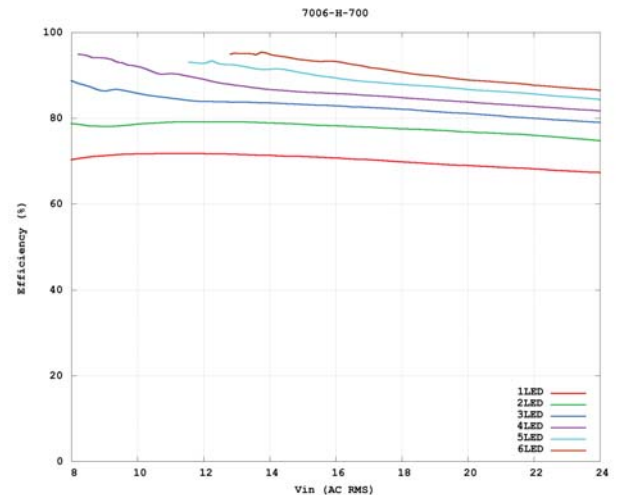
Input Voltage, maximum. . . . . 24VAC RMS, 34VAC Peak  
Do NOT connect LED+ or LED- to either V<sub>IN</sub> or Case Ground  
Do NOT operate above rated temperature

**Typical Characteristics**

Output current tolerance . . . . . ±10%  
Efficiency . . . . . Up to 95%  
Input Voltage Minimum . . . . . 8VAC  
Input Margin (VAC Input - V<sub>LEDs</sub>) . . . . . 3VAC  
Ripple Current (3 LEDs, 12VAC). . . . . 15%

**Specifications**

Output current, 7006-H-350. . . . . 350mA  
Output current, 7006-H-500 . . . . . 500mA  
Output current, 7006-H-700 . . . . . 700mA  
Operating temperature. . . . . -40-+60°C  
Storage temperature . . . . . -40-+125°C



**Figure 3.**  
Efficiency vs. V<sub>IN</sub>

**Physical Dimensions**

