

Product Overview

The 7006 BuckBulletTM 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 BuckBulletTM 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

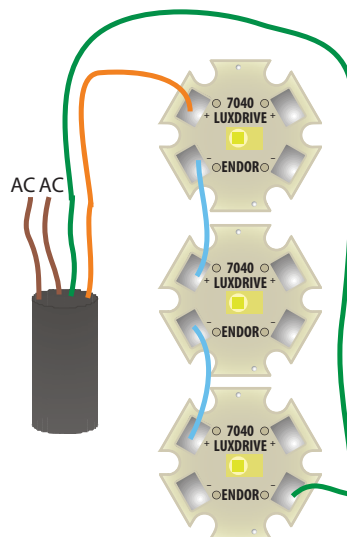


Figure 2.
BuckBulletTM powering (3) Endor Stars in series
($V_{IN} \geq 12VAC$)

* - 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_{IN} or Case Ground
Do NOT operate above rated temperature

Typical Characteristics

Output current tolerance $\pm 10\%$
Efficiency Up to 95%
Input Voltage Minimum 8VAC
Input Margin ($V_{AC\ Input} - V_{LEDs}$) 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 – $+60^{\circ}\text{C}$
Storage temperature -40 – $+125^{\circ}\text{C}$

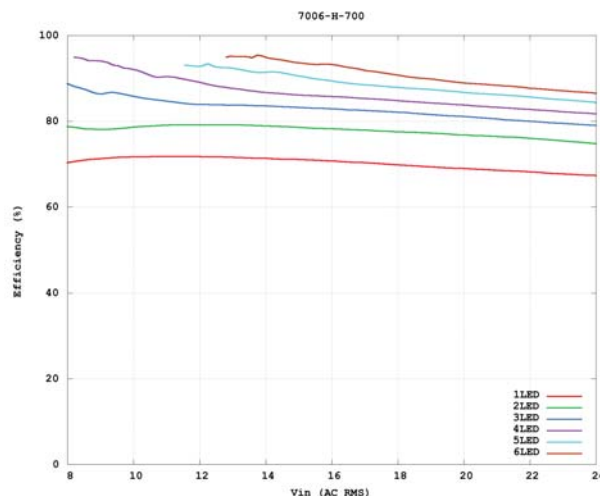


Figure 3.
Efficiency vs. V_{IN}

Physical Dimensions

