

## 7006 BUCKBULLET™

### Low-voltage AC LED Power Module

#### 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.



#### FEATURES

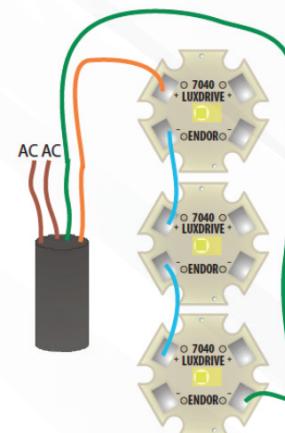
- ✓ AC input voltage up to 24VAC RMS
- ✓ True constant current output 350mA, 500mA or 700mA\*
- ✓ Extremely small form factor\* (0.5" x 2" x 1")
- ✓ Output open and short circuit protection
- ✓ Not affected by voltage drops on long wire runs

#### TYPICAL APPLICATIONS

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



**Figure 1.**  
Wiring Connections



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



**7006 BUCK BULLET™**  
**Low-voltage AC LED Power Module**
**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

**Cautions:**

Input Voltage, maximum 24VAC RMS, 34VAC Peak

Do NOT connect LED + or LED-to either VIN 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 -VLEDs)	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