



Overview

These high brightness Candle Flame LEDs were custom designed to provide the most realistic candle and flame color available. These LEDs contain ten (10) discrete LED elements and are extremely bright at over 300 Lumens at 12VDC. They are specifically designed for use with our Flicker LED controllers such as the Flicker 3.0. The LEDs were designed with a color temperature of 1900K to match that of a true candle flame.

Features

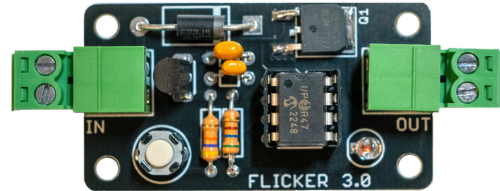
- Color: Yellow-Orange (1900K)
- Brightness: 300 Lumens @ 12VDC
- Input Voltage: 7-12VDC
- Input Current: 175mA @ 12VDC
- Input Power: 2.1W @ 12VDC
- Socket Type: Compatible with 194 / 168 bulbs

All specifications above are typical or average values.

Electrical Connections

These bulbs are polarized, so if you connect them to a voltage source and they do not operate, you will need to reverse the polarity of the connections or in other words, swapping the positive and negative connections. If using them in a socket, then simply remove the bulb, reverse it, and plug it back in.

Flicker 3.0 LED Controller



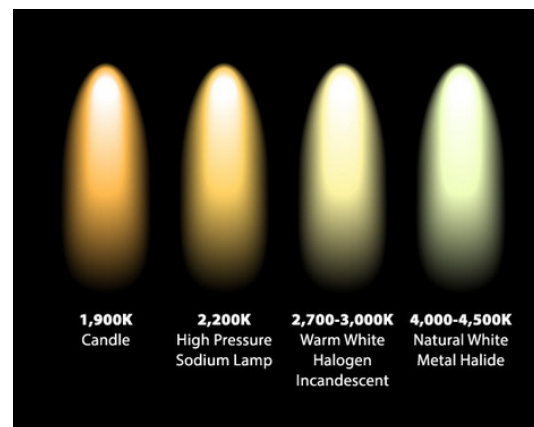
These LEDs require an external Flicker LED controller such as the Flicker 3.0 shown above to create candle and flame flicker effects. However, the LED bulbs may be used by themselves to provide a continuous light source if that is desired.

Electrical Characteristics

The following table provides input current vs. input voltage:

Input Voltage	Input Current (typ)
6.0 VDC	38 mA
7.0 VDC	58 mA
8.0 VDC	83 mA
9.0 VDC	100 mA
10.0 VDC	128 mA
11.0 VDC	150 mA
12.0 VDC	175 mA

Color Temperature



The color temperature of this LED bulb was specifically chosen at 1900K or the typical color temperature of a burning candle as shown in the image above. Many of the shelf yellow or orange LEDs have a color temperature greater than 2000K which tends to have a whiter appearance than a true candle flame.