



Overview

New for 2025, our high power LED candles, which are designed for commercial and professional prop use, are the brightest and most feature rich LED candles on the market anywhere. Designed for commercial and professional special effects, these LED candles utilize a one watt CREE LED that will outshine and outperform all other LED candles. These LED candles also feature a realistic flame color temperature of 1900K. Each LED candle utilizes an advanced embedded processor using artificial intelligence (AI) driven prediction algorithms to create the most realistic flicker effects possible.

A single hidden pushbutton allows the user to cycle through a total of ten (10) candle and flame patterns with varying intensities, modulation, and flickering. Internal memory allows the device to resume the previously selected output mode in the event power is lost to the device. This is useful for permanent installations where a single operating mode is required continuously even when power is cycled.

An optional mounting base allows easy mounting to a variety of surfaces.

Features

- High power CREE LED with 1 watt peak output
- True non-repeating random algorithms
- Ten (10) modes of operation
- Single button operation
- Memory saves mode during power loss
- Operating Voltage: 7VDC to 12VDC
- Flying leads for power connections
- Reverse voltage protection
- Optional bases allow easy mounting

Connection Diagram

Wire	Description	Connection
White	Positive power connection	7-12VDC
Black	Negative power connection	GND

Operation / Internal Pushbutton

Using a HP LED Candle is extremely simple. Simply connect the HP LED candle to a power source such as a battery or AC power adapter to the flying leads as shown in the previous table and use the hidden pushbutton to cycle through the various modes.

A paper clip or other thin object can be used to access the internal pushbutton. Simply insert the paper clip into the small hole in the side of the HP candle and lightly press the hidden pushbutton to change modes. Each press of the pushbutton will advance the operational mode by one. After all modes have been cycled through, the HP candle will enter OFF mode. In this mode, the output to the LED driver is disabled.

Heat Warning

The LEDs will get hot during operation. Ensure that no flammable materials are near the candles or LEDs during operation.

OFF Mode Considerations for Battery Powered Controllers

When the unit is in OFF mode, the output driver is disabled, however, the microprocessor inside is still in a quiescent state which is consuming a minute amount of power. If you are using a battery source, it is recommended to use an external switch to disconnect power from the HP LED candle when not in use.

Candle / Flame Suite Modes

The following list are all the available modes included with the HP LED candles.

Mode	Description	Brightness
OFF	Output OFF	
1	Glowing Candle	Low
2	Bright Candle	Med
3	Blowing Flame	Med
4	Windy Flame with Flicker	Med
5	Torch with Soft Modulation	Med
6	Soft Glow	Med
7	Fast Flame – High Modulation	Med
8	Subtle Candle	Very Low
9	Intense Flame – Soft Modulation	High
10	Blowing Torch – Max Flicker	High