

High Power Candle Module 1.0



The HP Candle Module 1.0 is the one of the most powerful off-the-shelf candle modules available on the market today. With a state-of-the-art 1 watt CREE LED, this candle module will outshine and outperform all other LED candles. Utilizing our advanced special effects Flicker pattern generator that utilizes true random algorithms, the Candle Module 1.0 produces the most organic and realistic candle effects available today.

The Candle Module 1.0 is specifically designed to be retrofitted in existing equipment and candles. Its small size of less than 0.95" in diameter allows it to fit in almost any off-the-shelf candle and it can be incorporated into a wide array of props including handheld torches, lanterns, fireplaces, sconces, and so forth. The applications are truly endless. The Candle Module 1.0 can also be used by itself for incredible flame like flickering effects as well as shadow boxes.

The HP Candle Module 1.0 is available in both single-mode and multi-mode operation. The single-mode unit comes preprogrammed with our standard high power candle flicker algorithm, while the multi-mode unit provides several unique candle operational modes selectable by an onboard pushbutton. As with our Flicker multi-effect lighting controllers, the present operational mode is always saved in memory so that if power is lost, the previously mode of operation is restored once power is reconnected.

Features

- High power CREE LED with 1W peak output
- Single button operation allows easy and quick way to change output patterns (optional)
- Internal memory saves previous mode setting
- Small form factor of less than 0.95" DIA allows it to be installed in almost any prop
- True random algorithms provide the most realistic and non-repeating pattern generation possible

Operating Modes

- OFF Mode
- Ember Mode
- Candle Flicker Mode (Low, Med, High)
- Windy Flame Mode

Typical Applications

- Creating high power LED candles utilizing existing candles
- Lanterns and torches
- Handheld props
- Theatrical props and stage effects
- Halloween events and dark rides
- Props and animatronics

Pin Descriptions

Pin Number	Function
+	Positive – Connect to 7VDC to 12VDC source
-	Negative – Connect to source return / ground



CAUTION – BURN HAZARD

Components on the Candle Module 1.0 may get very hot during operation. This is normal due to the high power nature and small size of these modules. Please ensure that you do not touch the candle modules during operation as they may be very hot and cause burns.



THERMAL MANAGEMENT NOTE

These devices are not designed to be used as stand-alone LEDs. The candle modules are designed to be used in an assembly where thermal management, such as thermal potting material, is incorporated. These devices are extremely high power LED devices and will get considerably hot during longer runtimes due to their small size. It is strongly recommended to use these devices with a non-conductive thermal potting compound.