



Kit Parts:

- 1) PFL-24B-CF: Prop Flex Light, Candle Flame
- 2) FEC1: Flicker Effects Control
- 3) BHC1-8AA-12V: Battery Holder and Clip to DC barrel connector, 8 AA cell, 12 volt

This kit consists of a PFL-24B-CF candlelight spectrum 24 LED flex strip with a 12 inch nominal active area, a Flicker Effects Control (FEC1) with 6 different dynamic flame simulation flickering modes and a 12 volt battery holder (BHC1-8AA-12V), with adapter clip. This unit is a professional LED candle flame simulation light source for building props and scenery. The LED candle flame light operates from 12 volts DC at 333ma nominal current with light output of 220 lumens typical. The candle flame light color temperature is an ultra-warm 1,775 Kelvin nominal with a color rendering index of 93 CRI nominal. The kit can be operated from 8 AA batteries (batteries not included). The flex strip has an adhesive foam tape backing for mounting to surfaces. The ends of the strip have 22" ref. length cables with male and female DC barrel connectors of the 2.1mm x 5.5mm size. The overall length of the strip and cables is 56" nominal.

The FEC1 (Flicker Effects Control) functions are as follows:

- **The Light button** is used to set the control to static dimming mode while in any dynamic mode, pressing the mode button starts the dynamic mode again.
- **The Speed (On/Off) button** provides ten speed levels for dynamic modes. In the static dimming mode this button provides dimming in 12 steps, 10% - 95%. This button is also used to turn the unit off when it is held longer than 3 seconds Ref.
- **The Mode button** provides six dynamic effects and the Static dimming mode.

Mode #	Average Light Level	Flicker Trough – Depth Max.	Ref. Application
1 flicker med - low	68.5%	60%	candle / lantern
2 flicker med - hi	60.0%	70%	candle / lantern
3 flicker - low	82.5%	50%	candle / lantern
4 flicker - hi	62.0%	80%	fire / ember
5 surge fade - med	75.5%	80%	fire / ember
6 surge fade – hi	62.0%	90%	fire / ember
7 static dimming	0% to 100%	N/A	dimming

Notes:

- 1) The control retains the last settings when turned off.
- 2) If used for video, film, or photography projects, check for image banding lines as the flicker control switching rate may or may not be compatible. Banding lines can result from the FPS (Frames Per Second) or other aspects of the camera system or settings used. The LED strip can be used without the FEC1 flicker effects control for continuous fill light applications.
- 3) External power supplies must be 12 volts DC. The power connector needs to be compatible with the 2.1mm x 5.5mm DC barrel connector with a positive center connection.