

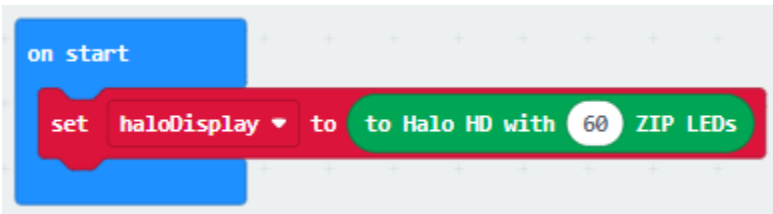
Flicker

Demo: https://youtu.be/2Bmat68_gh4

Go to: <https://makecode.microbit.org/>

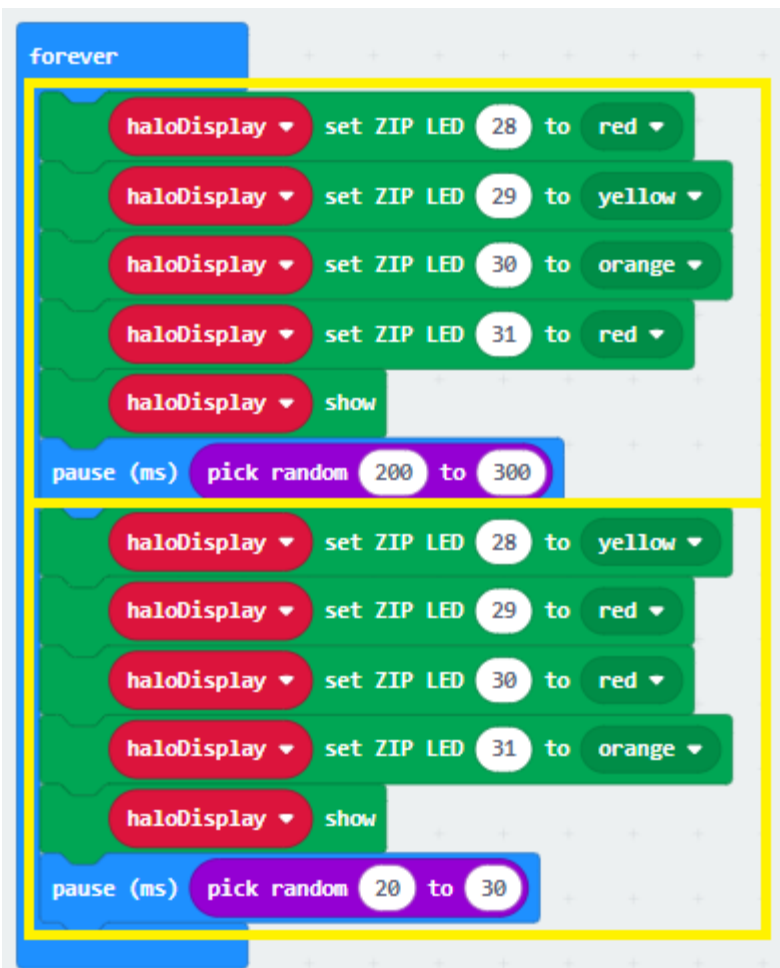
Make sure that you have added the Kitronik Halo LED extension (instructions are in Rainbow Rotate).

Initialize the Halo HD.



```
on start
  set haloDisplay to to Halo HD with 60 ZIP LEDs
```

The forever loop flips back and forth between two settings, at a random time. This looks a little like a candle flicker.



```
forever
  haloDisplay set ZIP LED 28 to red
  haloDisplay set ZIP LED 29 to yellow
  haloDisplay set ZIP LED 30 to orange
  haloDisplay set ZIP LED 31 to red
  haloDisplay show
  pause (ms) pick random 200 to 300
  haloDisplay set ZIP LED 28 to yellow
  haloDisplay set ZIP LED 29 to red
  haloDisplay set ZIP LED 30 to red
  haloDisplay set ZIP LED 31 to orange
  haloDisplay show
  pause (ms) pick random 20 to 30
```

In the **first yellow box**,

1. Randomly select colours for the LEDs 28-31.
2. Show them on the screen and pause.

In the **second yellow box**,

Select new colours and show them.