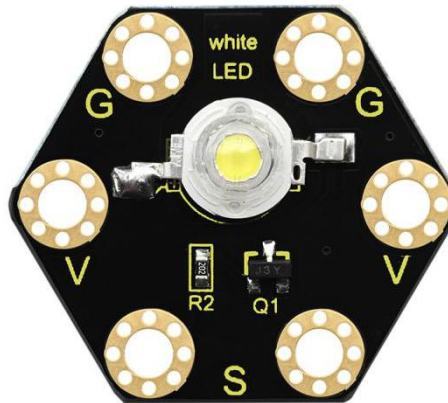




## keyestudio 1W LED Module For BBC micro:bit (Black and Eco-friendly)



### Description

This LED module is fully compatible with micro:bit control board. It will emit the white light. The max operating current is 400mA; the maximum power is 1W.

When using, connect the LED module to micro:bit control board using Crocodile clip line.

There are total 6 rings on the module. Two G rings, two V rings and two S rings are separately connected.

When using, G ring for ground; V for 3V; S for signal pin (0 1 2). When signal end is HIGH, LED lights.

### Technical Parameters



- Working voltage: DC 3.0-3.3V
- Working current: 400mA
- Power: 1W
- Light Color: white
- Dimensions: 31mm\*27mm\*8mm
- Weight: 2.4g
- Environmental attributes: ROHS

## **Connection Diagram**



## Source Code

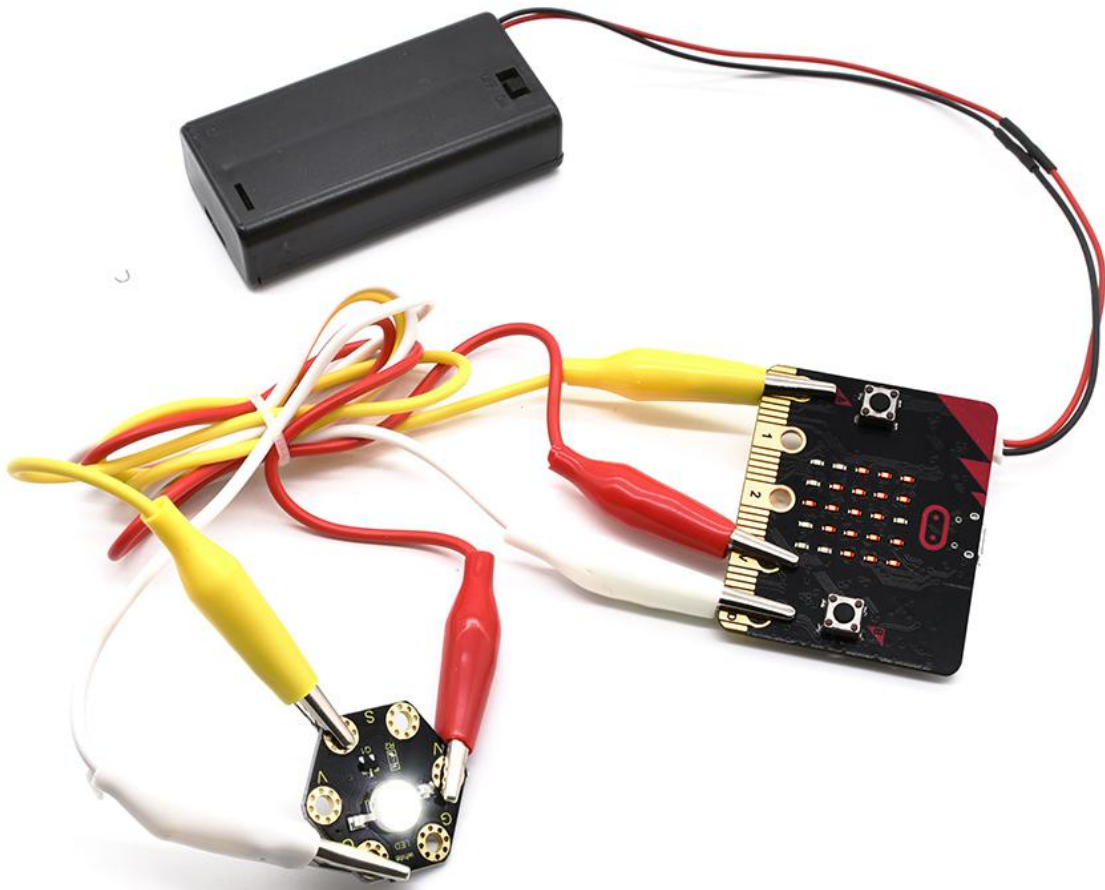
```
on start
  led enable false

forever
  digital write pin P0 to 1
  pause (ms) 1000
  digital write pin P0 to 0
  pause (ms) 1000
```



## Example Result

Connect well the module, then send the source code to the micro:bit main board. Powered on, the LED on the module should flash for one second, then off for one second, circularly and alternately.



## Resource

<https://fs.keyestudio.com/KS0417>