

## CKM0004 COKOINO Full color LED module



### 1. Overview

The COKOINO 2 LED full-color RGB lamp is inspired by the owl's eyes and can automatically emit cool different colors in the dark, so it can be applied to various arduino projects, simulate the robot's eyes, simulate the stage lighting waiting, its interface use the white connector of XH2.54-4P, easy to use, and foolproof.

### 2. specification parameter

(1) Working voltage: recommended working voltage 3-5V

(2) Single LED specifications:

Brightness: 18000-20000MCD brightness

Voltage: 2.9-3.1V

Power: 0.06W

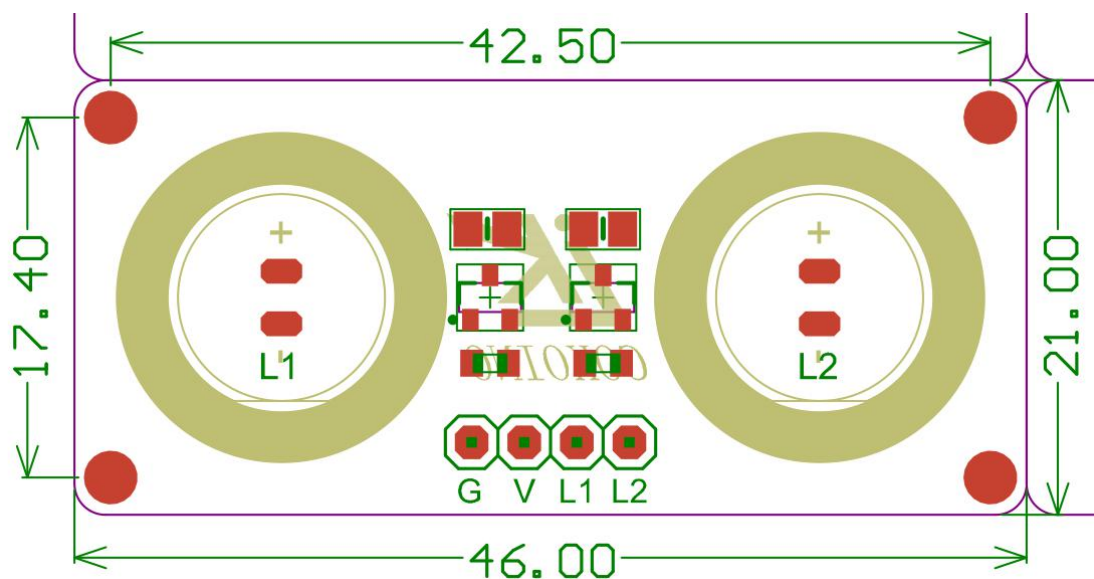
Current: 20MA

Wavelength: 520-525

(3) Input signal: digital signal

(4) Interface: XH2.54-4P

### 3. Size (mm)



## 4. Pins

GND: Connect the negative pole of the power supply

VCC: Connect the positive pole of the power supply

L1: Input high level, L1 LED lights up, input low level it goes out

L2: input high level, L2 LED lights up, input low level it goes out

## 5. Wiring

UNO R3 controller	The COKOINO 2 LED full-color RGB lamp
GND	G
5V	V
12	L1
13	L2

## 6. Arduino test code

```
#define L1 12
#define L2 13
void setup() {
  pinMode(L1,OUTPUT); // initialize digital pin L1 as an output.
  pinMode(L2,OUTPUT); // initialize digital pin L2 as an output.
}

void loop() {
  digitalWrite(L1,HIGH); // turn the LED on
  digitalWrite(L2,HIGH); // turn the LED on
  delay(5000);           // wait for a second
  digitalWrite(L1,LOW);  // turn the LED off
  digitalWrite(L2,LOW);  // turn the LED off
  delay(5000);           // wait for a second
}
```

## 7. Test result

Wiring according to the above picture and upload the code to the uno. After power-on, the module will automatically flash for 5 seconds and turn off for 5 seconds.

## 8. Schematic

