



Light Cup experiment is composed of two modules, Download the program can see the wonderful phenomenon.

CODE:

```
/*This is our website www.weikedz.com
For bulk orders, please feel free to contact
sophie@weikedz.com. If any question, for orders,
for technical problems, pls contact us.
We will response you fastest time. */
int LedPinA = 5;
int LedPinB = 6;
int ButtonPinA = 7;
int ButtonPinB = 4;
int buttonStateA = 0;
int buttonStateB = 0;
int brightness = 0;

void setup()
{
  pinMode(LedPinA, OUTPUT);
  pinMode(LedPinB, OUTPUT);
  pinMode(ButtonPinA, INPUT);
  pinMode(ButtonPinB, INPUT);
}

void loop()
{
  buttonStateA = digitalRead(ButtonPinA);
```

```
if (buttonStateA == HIGH && brightness != 255)
{
    brightness ++;
}

buttonStateB = digitalRead(ButtonPinB);
if (buttonStateB == HIGH && brightness != 0)
{
    brightness --;
}

    analogWrite(LedPinA, brightness);
    analogWrite(LedPinB, 255 - brightness);
    delay(25);
}
```