

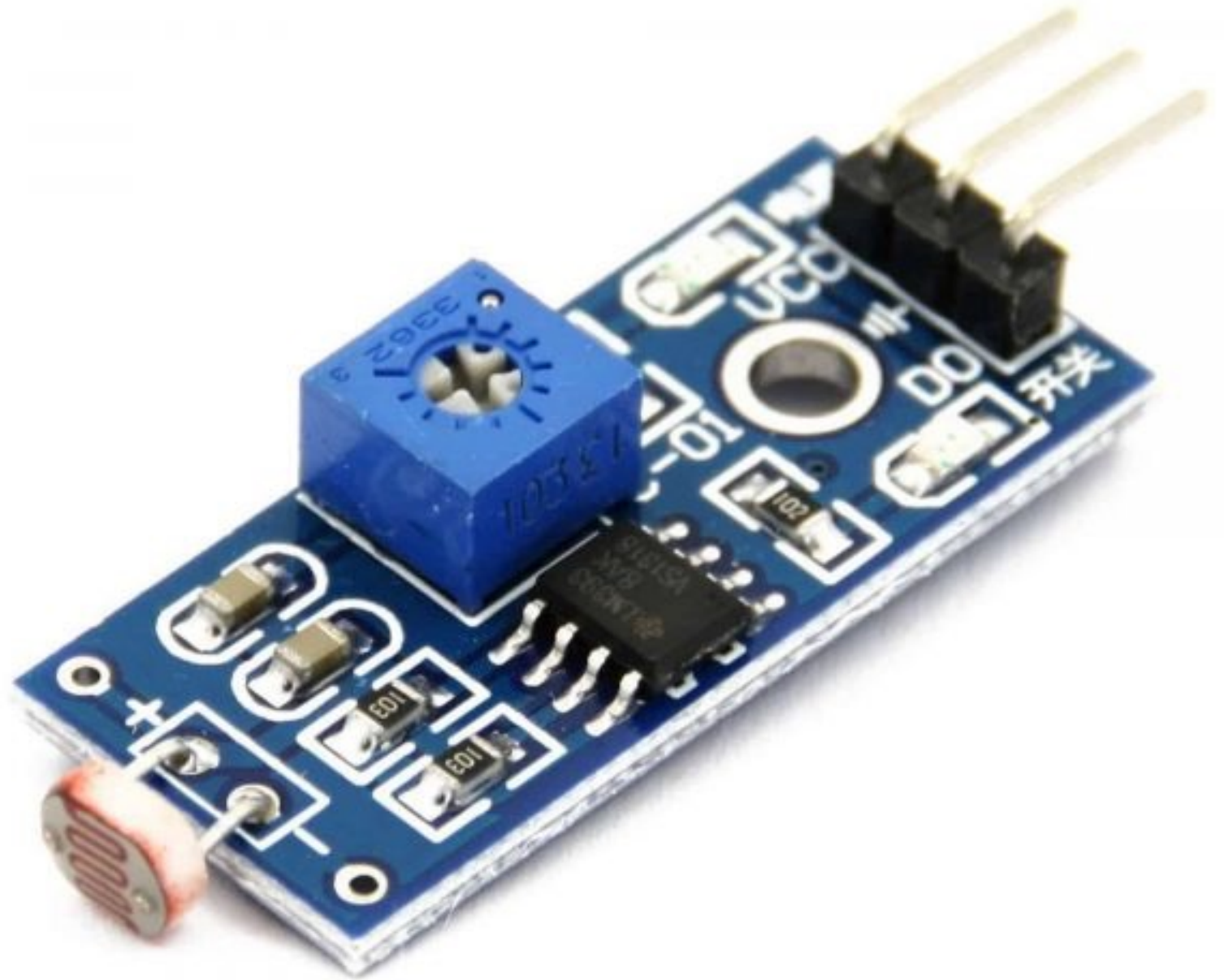


1.7

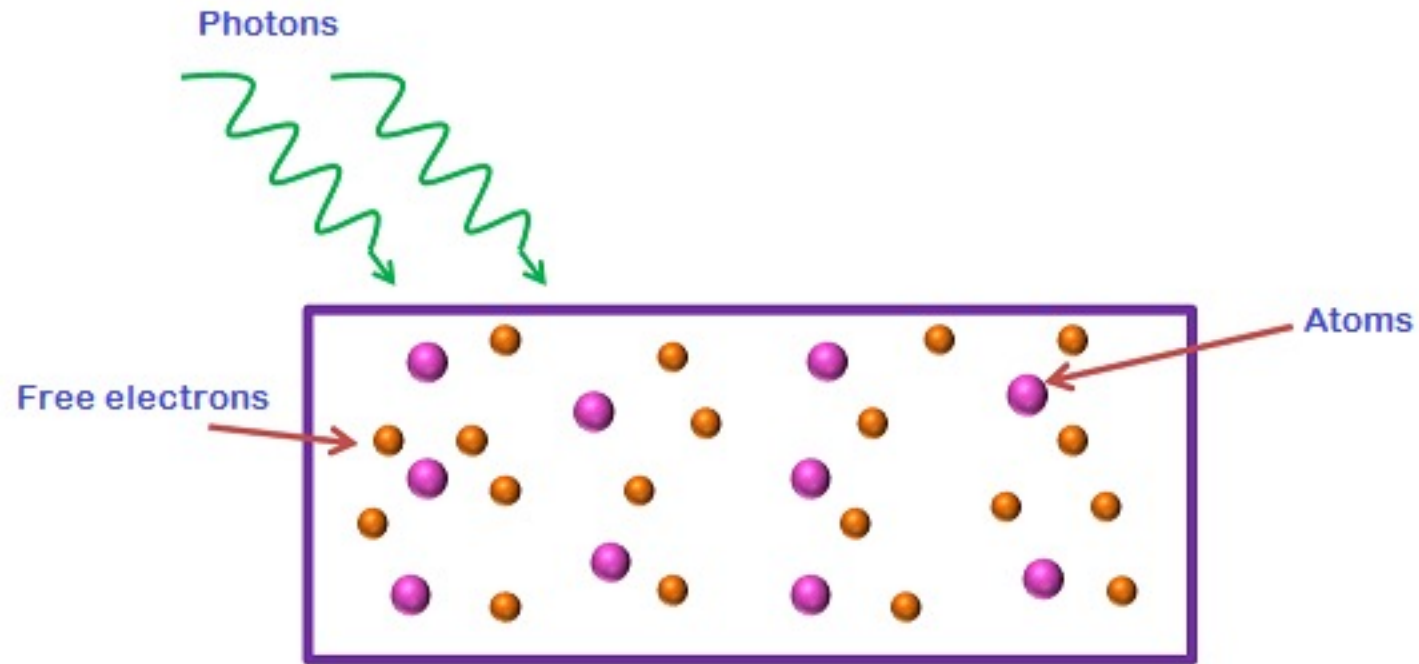
PHOTORESISTOR SENSOR



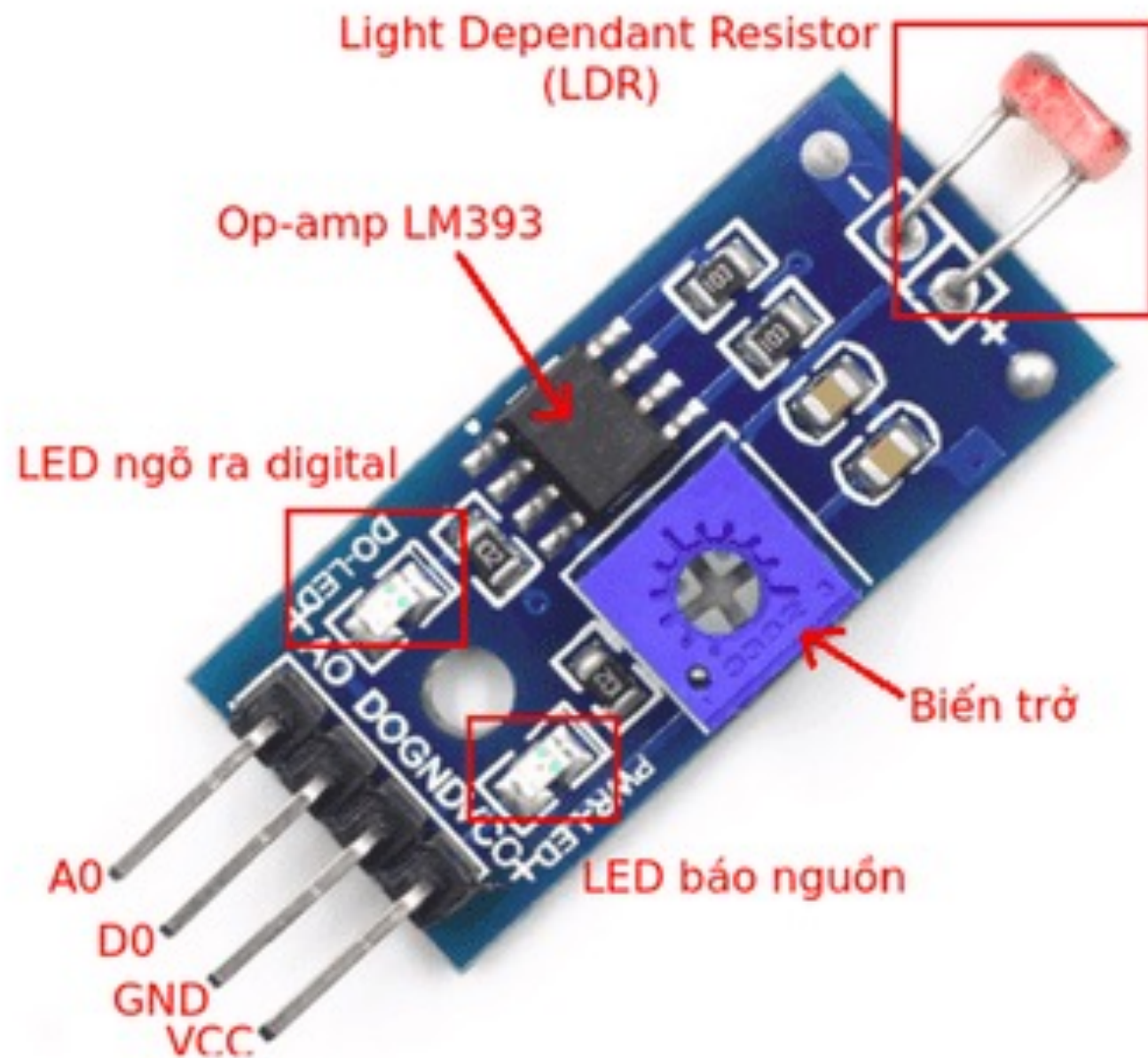
Photoresistor

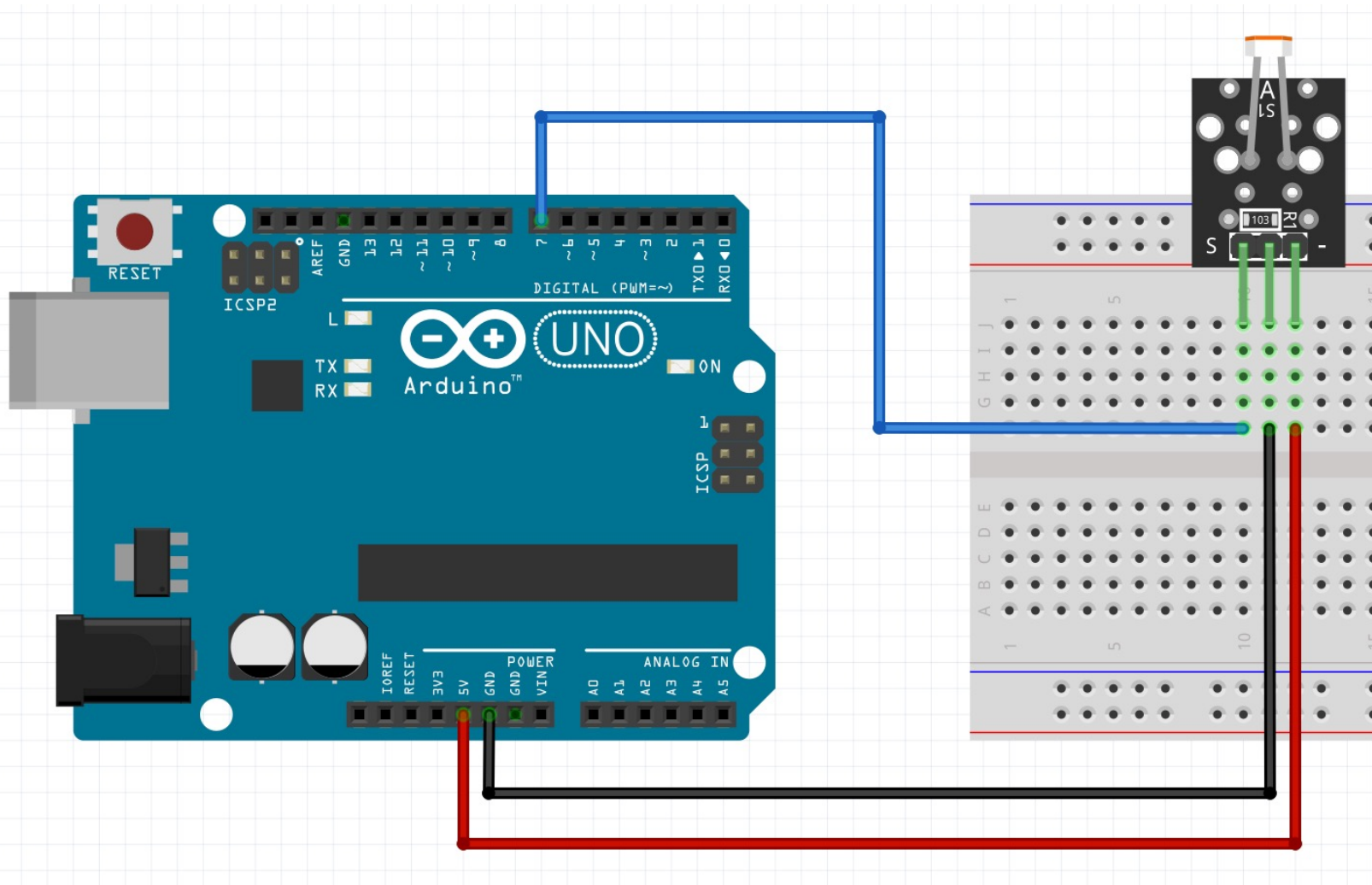


How photoresistor work?



www.physics-and-radio-electronics.com



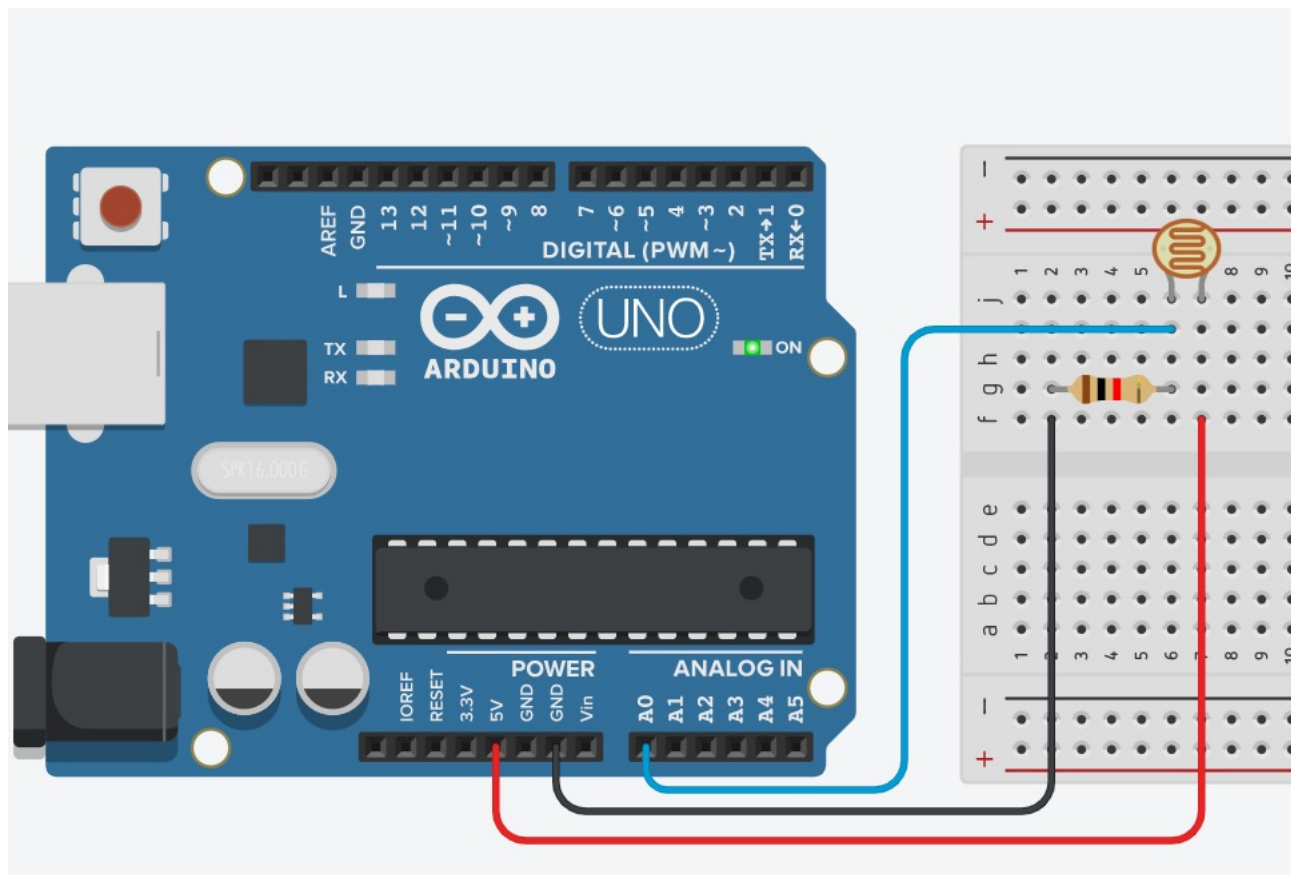


Photoresistor	Arduino
VCC	5v
GND	GND
DO	7
AO	

```
int light_pin = 7;

void setup(){
    pinMode(light_pin, INPUT);
    Serial.begin(9600);
}

void loop(){
    int value = digitalRead(light_pin);
    Serial.println(value);
    delay(100);
}
```

Photoresister	Arduino
+	5v
-	GND
-	A0

Resistance = 1000 Ω

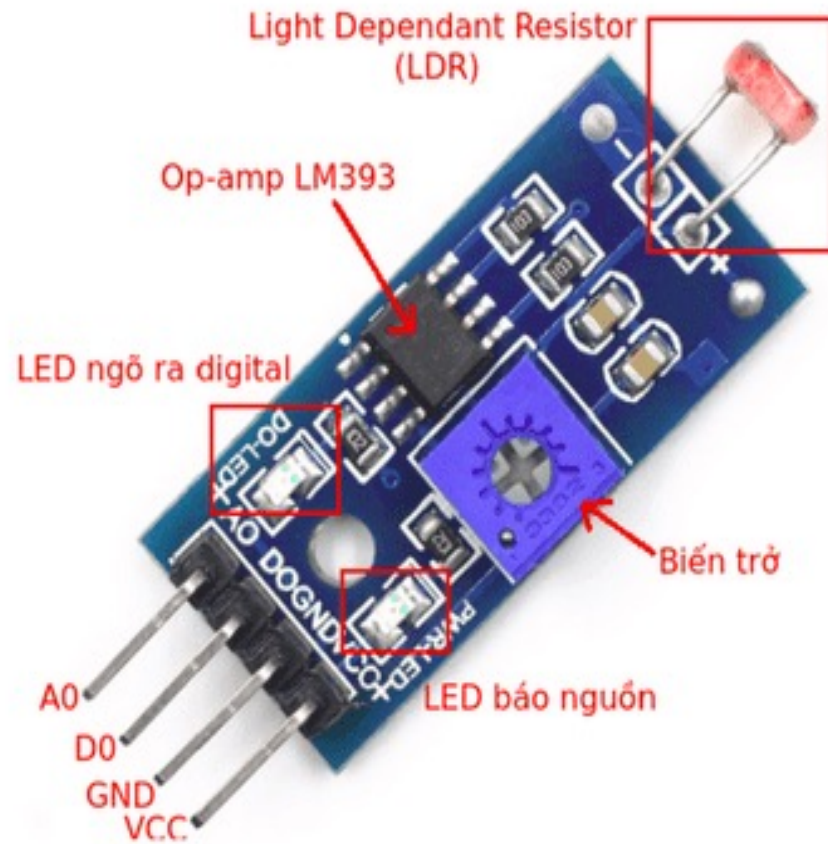
```
int light_pin = A0;

void setup() {
  Serial.begin(9600);
  pinMode(light_pin, INPUT);
}

void loop() {
  Serial.println(analogRead(light_pin));
  delay(100);
}
```




Turn LED
on/off
according to
light condition



Photocell	Arduino
VCC	5v
GND	GND
DO	
AO	A0

Reading analog signal from A0 pin

The bigger the value, the weaker the light



Fade LED
in/out
according to
the light
condition
