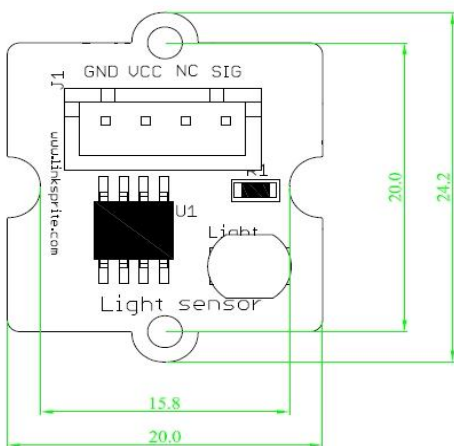
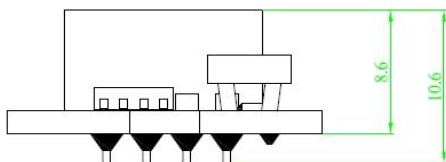
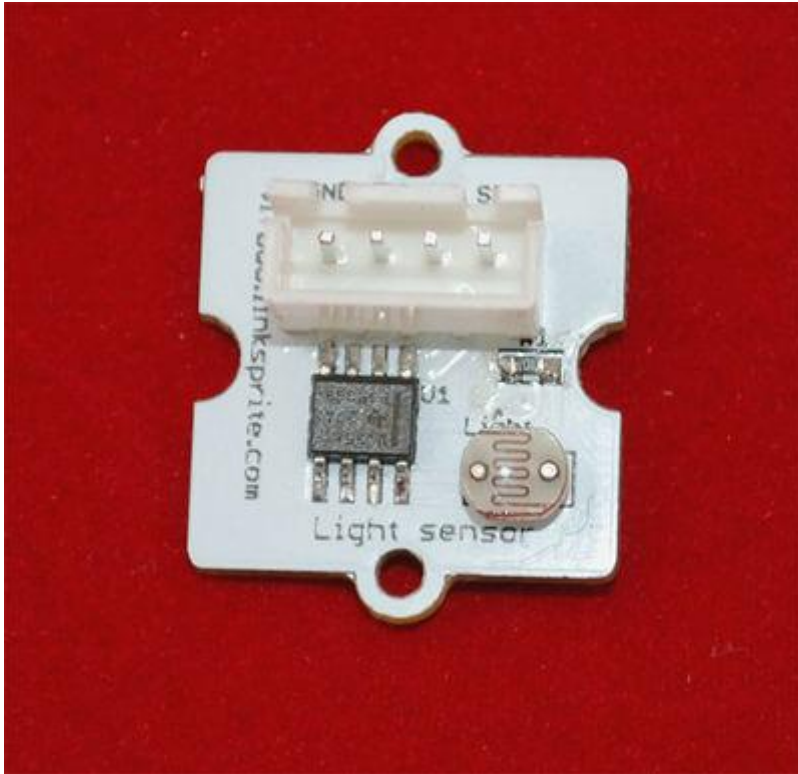


Introduction

The light sensor, also known as the light dependent resistor (LDR). Typically, the resistance of the light sensor will decrease when the ambient light intensity increases.



Application Ideas

test code

```
#include <math.h>
const int ledPin=12;           //Connect the Linker LED module to
Pin12, Digital 12
const int thresholdvalue=10;  //The treshold for which the LED
should turn on. Setting it lower will make it go on at more light, higher
for more darkness

void setup() {
  Serial.begin(9600);         //Start the Serial connection
  pinMode(ledPin,OUTPUT);    //Set the LED on Digital 12 as an
OUTPUT
}
void loop() {
  int sensorValue = analogRead(0); //Connect the Linker LDR module to A0,
Analog 0
  float Rsensor;
  Rsensor=(float) (1023-sensorValue)*10/sensorValue;

  if(Rsensor>thresholdvalue)
  {
    digitalWrite(ledPin,HIGH);
  }
  else
  {
    digitalWrite(ledPin,LOW);
  }

  Serial.println(Rsensor,DEC);
}
```

