

LIGHT INTENSITY METER BH1750

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```
#include <Wire.h>
#include <BH1750.h>

BH1750 lightMeter;

void setup(){
  Serial.begin(9600);
  pinMode(D3,OUTPUT);
  pinMode(D4,OUTPUT);

  // Initialize the I2C bus (BH1750 library doesn't do this automatically)
  Wire.begin();
  // On esp8266 you can select SCL and SDA pins using Wire.begin(D1, D2);

  lightMeter.begin();

  Serial.println(F("BH1750 Test begin"));
}

void loop() {
  float lux = lightMeter.readLightLevel();
  if(lux > 20){ digitalWrite(D3,LOW);} else{digitalWrite(D3,HIGH);}
  if(lux > 10){ digitalWrite(D4,LOW);} else{digitalWrite(D4,HIGH);}
  Serial.print("Light: ");
  Serial.print(lux);
  Serial.println(" lx");
  delay(1000);
}
```

