

LEARN

The “AMBI” is a small board that carries a Sharp GA1A1S201WP surface-mount ambient light sensor. The light sensor has a spectral response similar to that of the human eye, which means the sensor is highly accurate when used as the basis of an ambient light sensor, or camera exposure sensor. It’s also capable of digitally quantifying the brightness of ambient light in a very small form factor setup.

The OPIC light detector has an integrated photodiode and amplifier circuit providing a logarithmic output that works with a wide range of illumination, both indoors and outdoors (3 to 55000 lux).

CONNECT



CODE

```
void setup() {  
  Serial.begin(9600);  
  pinMode(18, OUTPUT);  
  pinMode(19, OUTPUT);  
  digitalWrite(18, HIGH);  
  digitalWrite(19, LOW);  
}  
  
void loop() {  
  int Light = analogRead(3);  
  Serial.println(Light);  
  delay(250);  
}
```

SENSOR CHEAT SHEET