

```

/*
 * Arduino tutorial: Counts the nuber of seconds the sensor is Dark
 */

int  lightvalue  =  0;// Variable to remember light value
int  darkcount   =  0;// Variable to count the seconds of darkness

void setup()      // run once
{
    Serial.begin(9600);          // start the serial output
}

void loop()       // run over and over again
{
    lightvalue =analogRead(A0);
    if( lightvalue < 500 ) {
        darkcount = darkcount + 1;
    }else {
        darkcount = 0;
    }
    Serial.println(darkcount); // Print the current state
    delay(1000); // Wait 1 second
}

```