```
const int led = 12;
const int led2 = 2;
const int pir = A0;
const int LightS = A1;
const unsigned long temp = 6000UL;
boolean LedOn = false;
int movement = 0;
int lum = 1000;
unsigned long chrono;
unsigned long temps;

void setup() {

  Serial.begin(9600);
  pinMode(led, OUTPUT);
  pinMode(led2, OUTPUT);
  pinMode(pir, INPUT);
  pinMode(LightS, INPUT);

}

void loop() {

  lum = analogRead(LightS) ;
  temps = millis();
  if (lum <= 400) {

     digitalWrite(led2, HIGH);
     movement = analogRead(pir) ;

     if (movement > 0) {

        digitalWrite(led, HIGH);
        LedOn = true ;
        chrono = temps;
     }
     else if ((temps - chrono >= temp) && (LedOn == true)) {

       digitalWrite(led, LOW);
       LedOn = false ;

     }

     else if (LedOn == true) {
       Serial.println(".");
     }
  }

  else {
     digitalWrite(led2, LOW);
  }


  delay(1000);
}
```