

```
#include <LiquidCrystal.h>
int a,b,c;
const int rs = 12, en = 11, d4 = 5, d5 = 4, d6 = 3, d7 = 2;
LiquidCrystal lcd(rs, en, d4, d5, d6, d7);

void setup() {
  pinMode(8,OUTPUT);
  pinMode(9,OUTPUT);
  pinMode(10,OUTPUT);
  lcd.clear();
  lcd.begin(16, 2);
  lcd.setCursor(1, 0);
  lcd.print("Street Light");
  lcd.setCursor(1, 1);
  lcd.print("Project");
  delay(1000);
  lcd.clear();
}

void loop()
{
  a=analogRead(A0);
  b=map(a,0,1023,0,255);
  Serial.println(b);
  if(b<220)
  {
    lcd.setCursor(1, 0);
    lcd.println("Low Light ");

    digitalWrite(8,HIGH);
    digitalWrite(9,HIGH);
    digitalWrite(10,HIGH);
  }
  if(b>220)
  {
    digitalWrite(8,LOW);
    digitalWrite(9,LOW);
    digitalWrite(10,LOW);
    lcd.setCursor(1, 0);
    lcd.println("High Light");
  }
}
```

