

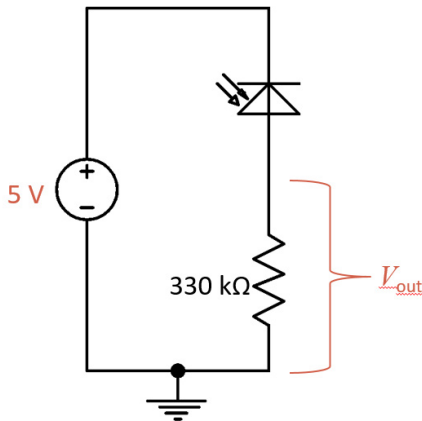
Photodetector Circuit

This circuit uses a photodiode to detect the amount of ambient light in a room. The current produced by the photodiode passes through a resistor to generate a voltage that is measured using the analog input of an Arduino microcontroller.

Components

- 5 V power source (use a 5 V line from an Arduino microcontroller)
- Arduino microcontroller
- Photodiode
- 330 k Ω resistor

Schematic



Circuit

