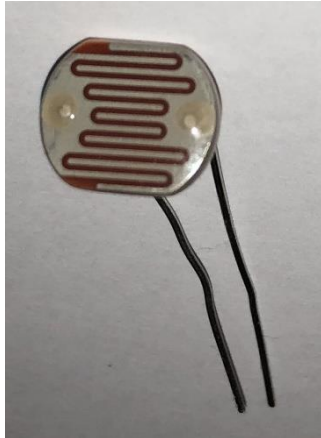# LDR sensor

A light sensor is something that a robot can use to detect the current ambient light level - i.e. how bright/dark it is. There are a range of different types of light sensors, including 'Photoresistors'.

A photoresistor or LDR (light dependent resistor) sensor changes its resistance analogue value (0-1023) based on the amount of light that falls upon it. The net effect is an improvement in its conductivity with a decrease in resistance for an increase in illumination.

In this video you can learn how to make LDR darkness sensor circuit.