

Light sensor

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The **iTriangle - Light sensor** integrates a photo-resistor (light dependent resistor) to detect the intensity of light. The resistance of the photo-resistor decreases as the intensity of light increases. A dual OpAmp chip LM358 on board produces voltage corresponding to the intensity of light (i.e., based on resistance value). The output signal is an analogue value. The brighter the light, the larger the value.

This module can be used to build, for example, a light controlled switch that turns off lights during the day and turns them on at night.

The light sensor value only approximates the intensity of light, it DOES NOT represent the exact Lumen value.

Features

- Analogue value output
- High reliability and sensitivity
- Small footprint
- Detects a broad spectrum of light

Specifications

Item	Value
Operating voltage	3~5 V
Operating current	0.5~3 mA
Response time	20~30 milliseconds
Peak Wavelength	540 nm
Weight	4 g

Revision #5

vytvořené 2 roky nazpět uživatelem [Admin](#)

aktualizováno 2 roky nazpět uživatelem [Jiri Krulis](#)