Light Unit with Photo-resistance

Description

LIGHT is a light intensity sensor unit with an adjustable photoresistor。

A photoresistor is a light-controlled variable resistor. The resistance of a photoresistor decreases with increasing incident light intensity, and vice versa. It exhibits photoconductivity which make it possiable to detect the varies based on Voltage, and use a AD to convert the digital data.

We add some extra work to strengthen the circult, a Dual Differential Comparators **LM393**, compares the differntial voltage between the photoresistor and the varistor. It could offer larger and accuracy range of light intensity.

Product Features

- 10K adjustable resistor
- Software Development Platform: Arduino, UIFlow(Blocky,Python)
- Two Lego-compatible holes

Include

- 1x LIGHT Unit
- 1x Grove Cable

Specification

Resources	Parameter
Adjustable resistance	10K
net weight	4g
Gross weight	17g
Product Size	32*24*8*mm
Package Size	67mm x 53mm x 12mm