Product name

CONTENTS

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 v sensor exhibits photoconductivity which make it possible to detect the light varies based on voltage and use an AD (Analog to digital conver the digital data.

We added some extra work to strengthen the circuit, a Dual Differential Comparators **LM393**, compares the differential voltage between the 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

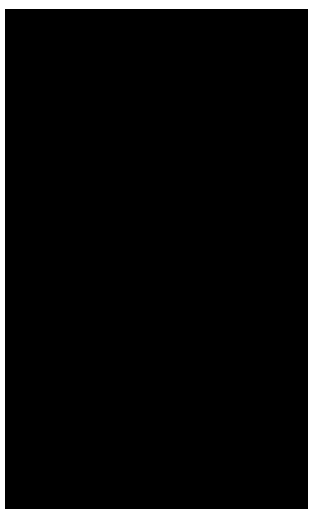
Specification

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

EasyLoader

> **EasyLoader is a concise and fast program writer, which has a built-in case program related to the product. It can be burned to the control by simple steps to perform a series of function verification.**

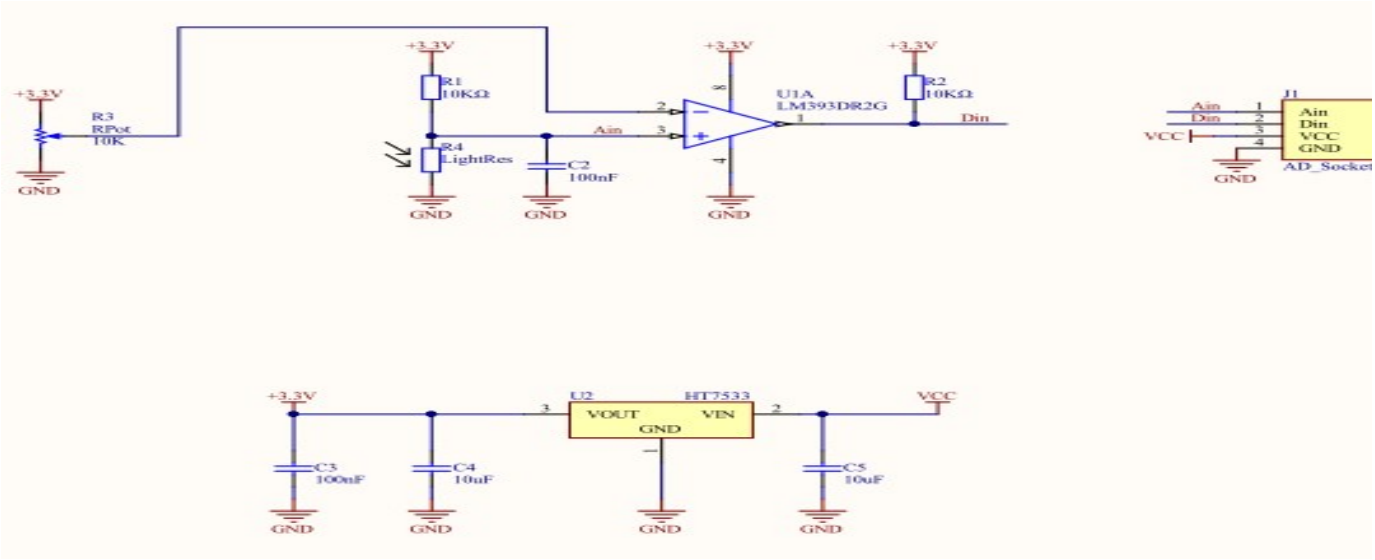
Download Windows Version Easyloader Download MacOS Version Easyloader



0:00

Description:
The screen displays the current ambient light value.

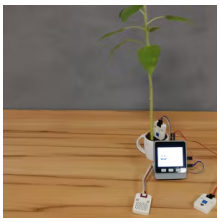
Schematic



PinMap

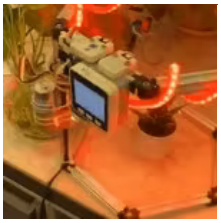
M5Core(GROVE B)	GPIO36	GPIO26	5V
LIGHT Unit	AnalogSignal Pin	DigitalSignal Pin	5V

Learn



Smart Plant with M5Stack

Make your plants smart and monitor water, temperature and humidity!



Smart Planting System

Building a smart planting system using M5Stack to monitor the lights, humidity, tem . ıre, wa your plant automatically.

Example

Arduino

The code below is incomplete. To complete code, please click here

UIFlow

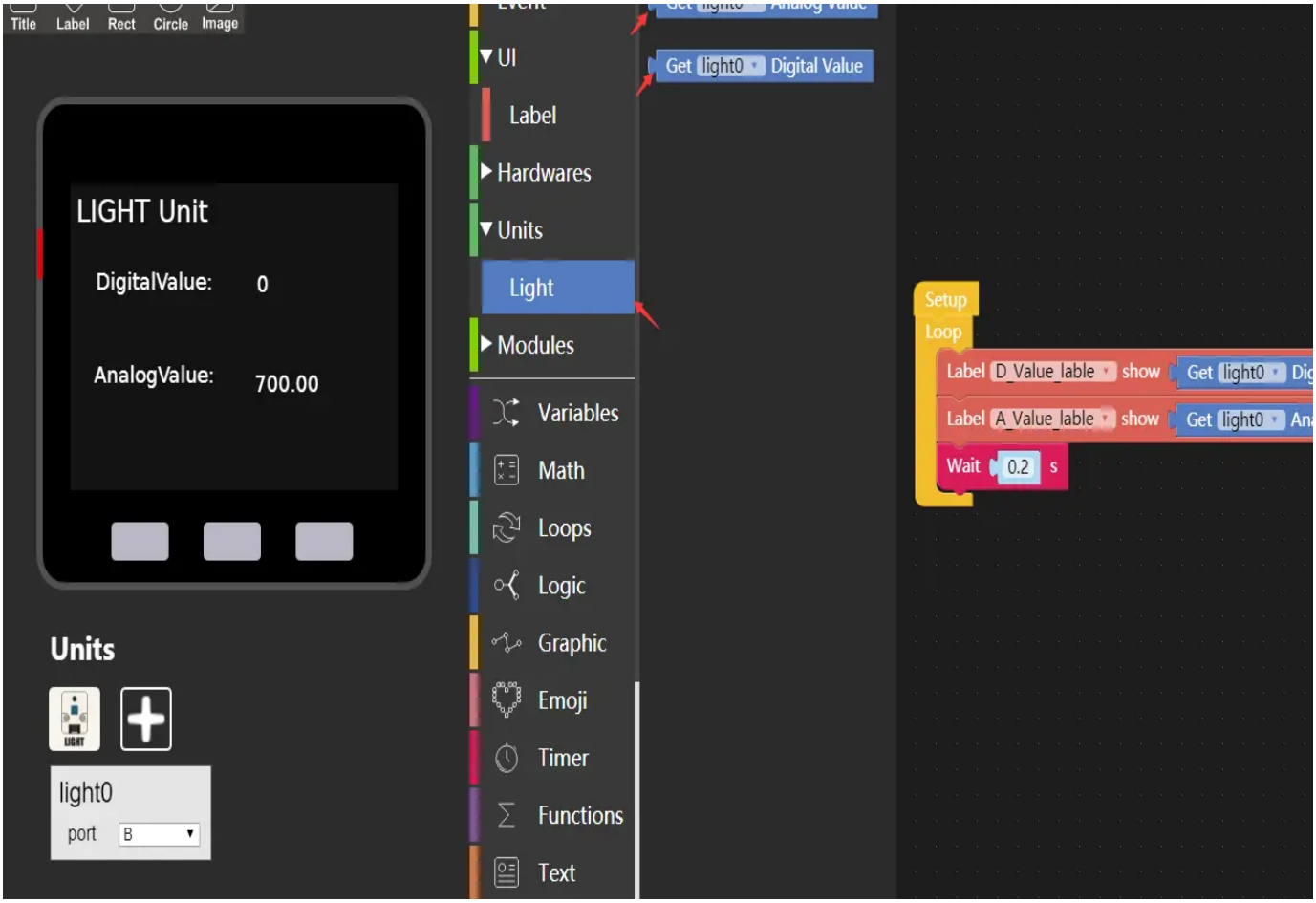
Feature Introduction

> **Return light measurement**

- **Get Analog value** Return analog value
- **Get Digital value** Return numeric value

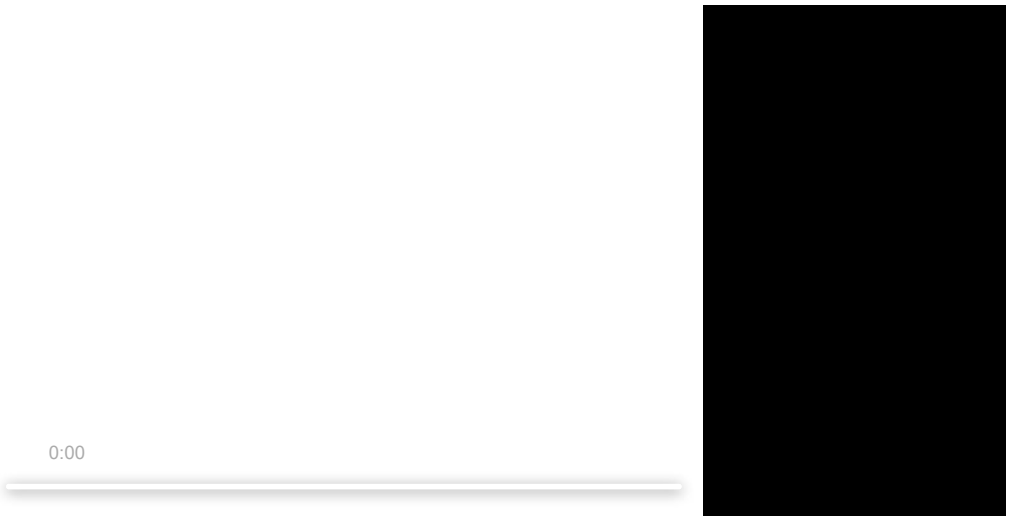
Usage

- Click here to download the UIFlow example



Video

LIGHT - Tutorial



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