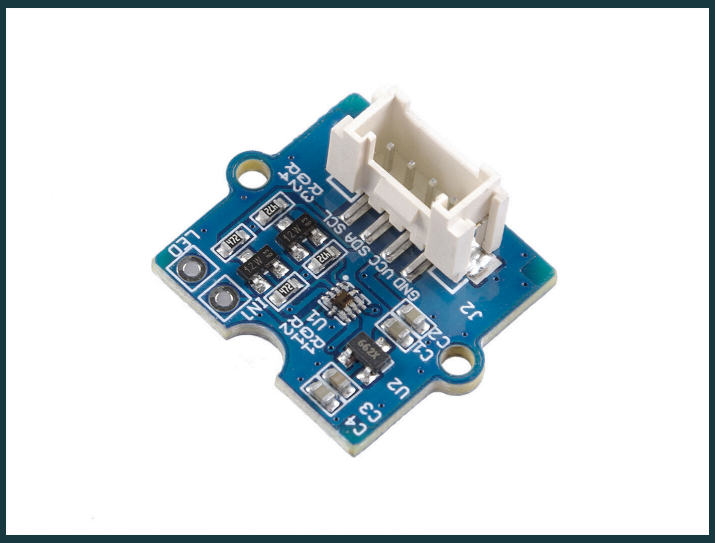
seeed studio

INDUSTRIAL PRODUCT DATASHEET

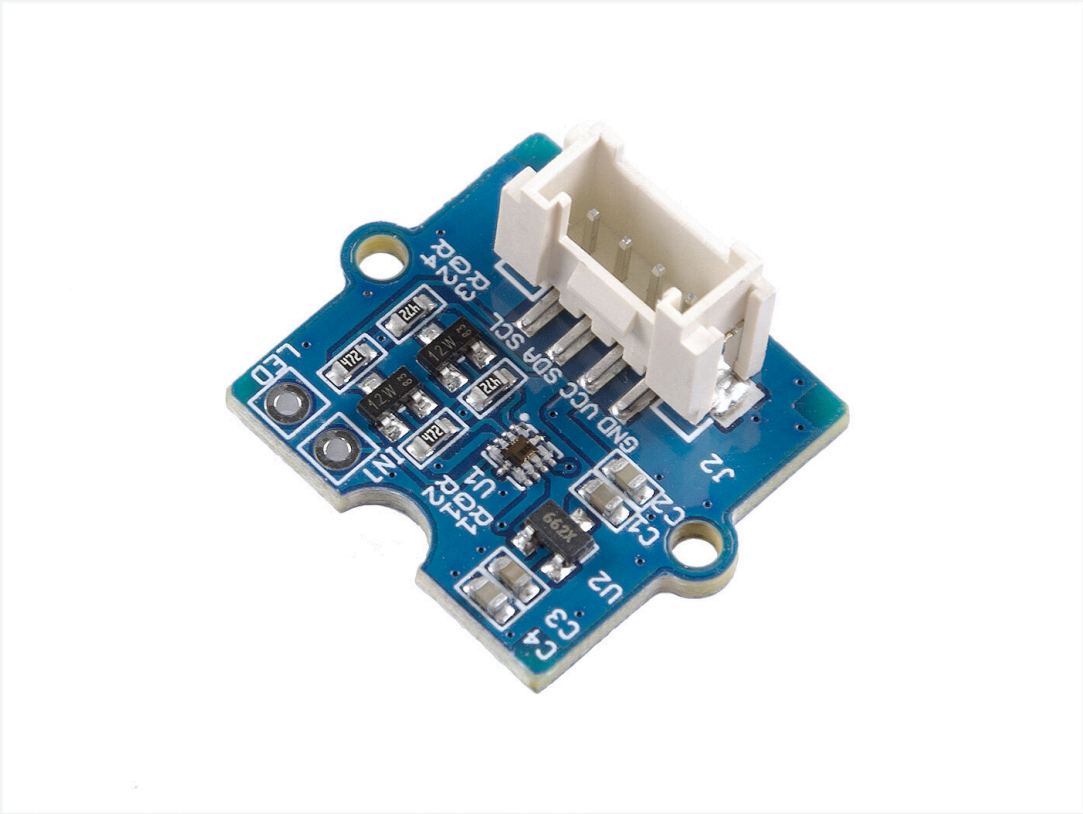
Grove - Sunlight sensor (visible light and infrared light) - SI1151

Grove - Sunlight sensor (visible light and infrared light) - SI1151: multi-channel digital light sensor with I2C interface for light detection, smart irrigation, and DIY weather station applications.

SKU	UPDATED	PRICE
101020089	2026-11-03 03:47:51	$11.90(Excl. VAT)



Overview



The Grove - Sunlight sensor (visible light and infrared light) - SI1151 is a multi-channel digital light sensor that detects visible and infrared light across a wide spectrum detection range of 280-950nm. It features an easy-to-use I2C Interface(7-bit) compatible with Grove port, programmable configuration, and low power consumption (3.3/5V Supply), making it suitable for light detection, smart irrigation systems, and DIY weather stations.

Key Features

01 **Multi-channel digital light sensor**

can detect visible light and infrared light

02 **Wide spectrum detection range**

280-950nm

03 **Easy to use**

I2C Interface(7-bit), compatible with Grove port, just plug-and-play

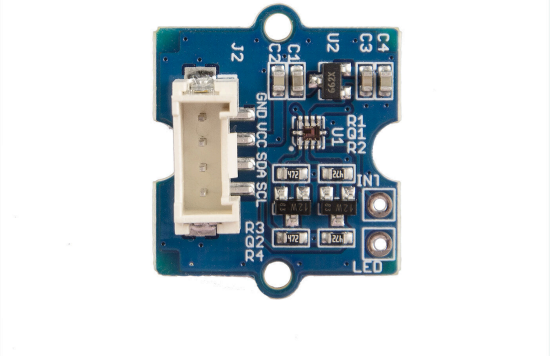
04 **Programmable configuration**

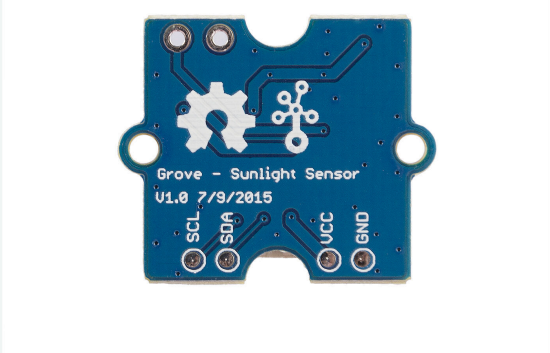
Versatile for various applications

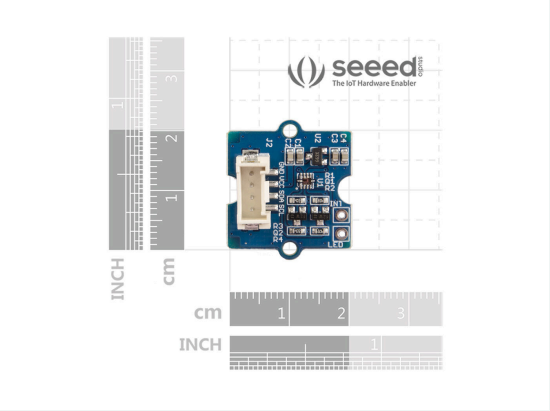
05 **Low power consumption**

3.3/5V Supply, suitable for many microcontrollers and SBCs

Product Gallery







Applications

- **Light detection**
- **Smart irrigation system**
- **DIY weather station**

Resource Links

- https://www.seeedstudio.com/Grove-Sunlight-Sensor.html
- Schematic in PDF
- Schematic in Eagle File
- Si115x User's Guide
- Si115x datasheet
- Si1145 datasheet
- Github Repositoriy for Grove - Sunlight Sensor
- Spectrum
- Lumen (unit)
- Ultraviolet index

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com