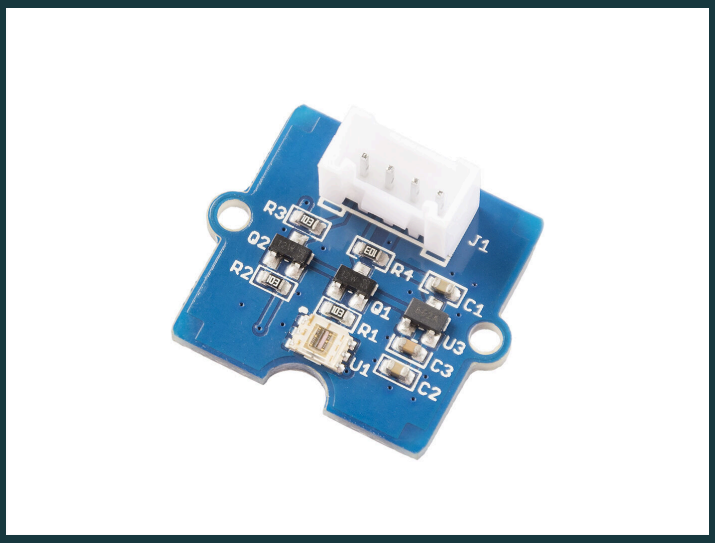
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INDUSTRIAL PRODUCT DATASHEET

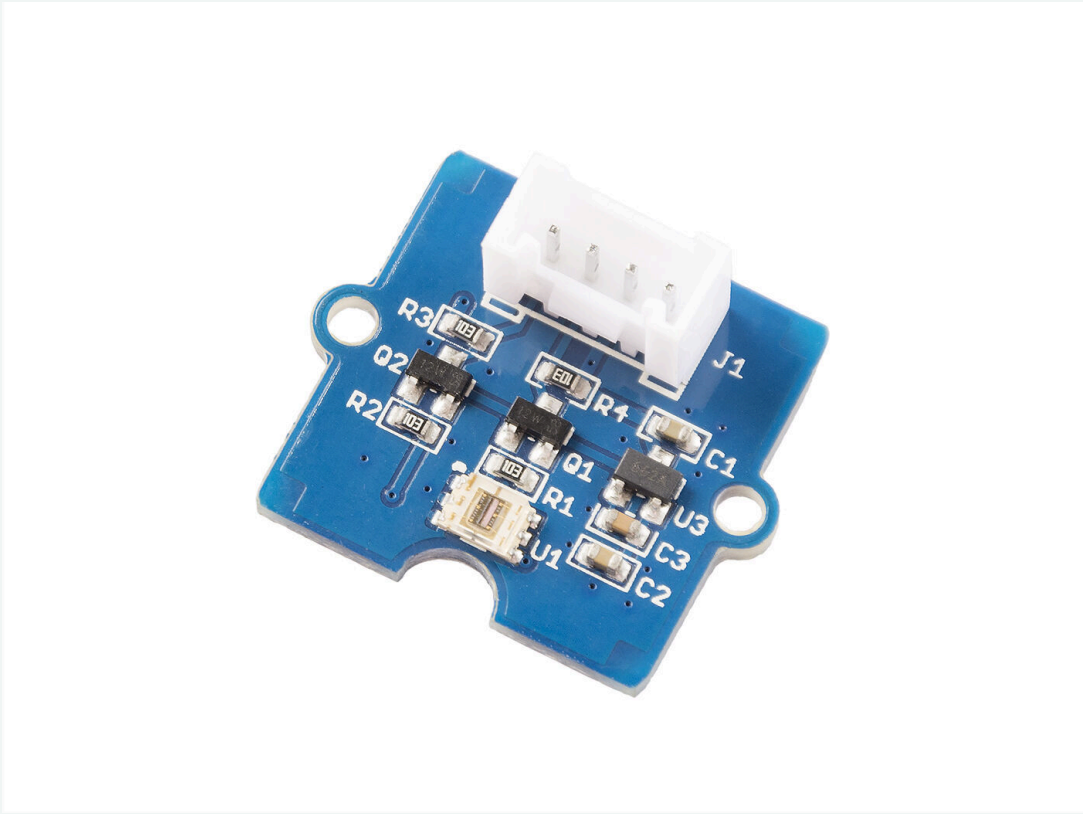
Grove - Digital Light Sensor - TSL2561 for Arduino Compatible

Grove - Digital Light Sensor - TSL2561 for Arduino Compatible with selectable detection modes, 16-bit I2C output, 0.1 - 40,000 LUX range, programmable interrupt, and Grove unified socket.

SKU	UPDATED	PRICE
101020030	2026-11-06 10:22:40	$6.50(Excl. VAT)



Overview



The Grove - Digital Light Sensor - TSL2561 for Arduino Compatible offers flexible detection modes including infrared, full-spectrum, and human visible selectable modes, with 16-bit digital output at 400 kHz I2C Fast-Mode. It supports a wide dynamic range of 0.1 - 40,000 LUX and an operating temperature range of -40℃ to 85℃, and features a programmable interrupt function with user-defined upper and lower threshold settings, all via a Grove unified socket for plug-and-play use.

Key Features

01 **Flexible detection modes**

Infrared mode, full-spectrum mode, and human visible mode selectable

02 **High-resolution**

16-Bit digital output at 400 kHz I2C Fast-Mode

03 **Support measurement in various lighting situations**

Support a wide dynamic range of 0.1 - 40,000 LUX and a wide operating temperature range of -40℃ to 85℃

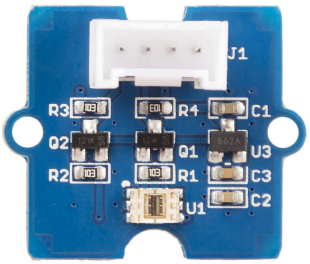
04 **Programmable interrupt function**

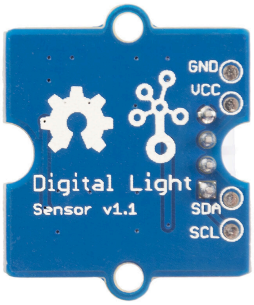
User-Defined Upper and lower threshold settings

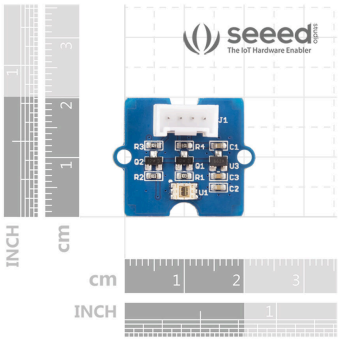
05 **Grove unified socket**

The product ensures "Plug and Play" and could be versatile for various applications of Grove

Product Gallery







Resource Links

- https://www.seeedstudio.com/Grove-Digital-Light-Sensor-TSL2561.html
- TSL2561 Datasheet
- Grove - Digital Light Sensor Schematic
- Grove - Digital Light Sensor Sch PDF File
- Grove - Digital Light Sensor PCB PDF File
- Library Github Grove-Digital Light

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