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LED Module 3 W for Arduino™

GB Operating instructions

Latest operating instructions

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Delivery contents

- LED Module 3 W for Arduino™

Description

This 3 W LED module is specially designed for microcontroller applications, and allows you to control a high power LED with a simple digital output that only delivers a small current.

In addition to the LED, the board features a driver that allows the LED to be controlled via a GPIO port.

Product features

- 3 W high power LED
- Digital control input
- 180 to 200 lumens brightness
- 180° beam angle
- Arduino™ compatible

Hardware

The LED board has 3 pin contacts for the connection.

The following overview shows the functions of the contacts:

- G Ground connection for power supply
- + Power supply (3.3 - 3.6 V/DC)
- S GPIO (control input)

The LED will light up when a voltage of 3.3 to 5 V/DC is connected to the "S" connection. The LED will switch off when the connection is connected to GND.

Specifications

Operating voltage (forward voltage)	3.3 - 3.6 V/DC
Current consumption (forward current)...	700 mA
Reverse voltage.....	5 V/DC
Power	3 W
Luminous flux	180–200 lm
Color temperature.....	3000K–3200K (warm white) 6000K–6500K (cold white)
Beam angle	180°
Operating temperature	-20 °C to +60 °C
Dimensions (W x H x D)	27 x 8 x 30 mm
Weight	4 g

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