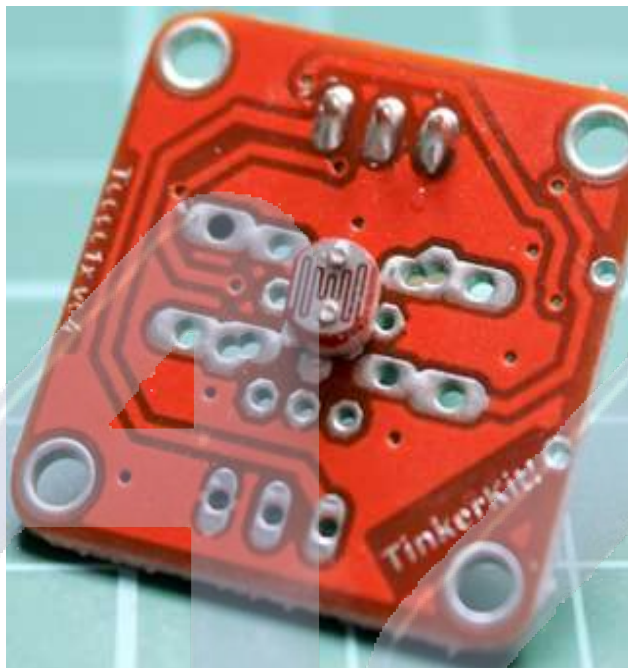


## Tinkerkit LDR Sensor Module

Número de Parte: T000090



**LDR** (or **Light Dependent Resistor**, or **Photoresistor**) is a variable resistor. Light falling on the sensor decreases its resistance.

**Output:** This module outputs 5V when the sensor receives no light (the circuit is open) and 0V when exposed to bright light (the circuit is closed). When connected to an input of the

**Available methods** Arduino using the TinkerKit Shield, you can expect to read values from 0 to 1023.

**Module Description:** This module features a Light Dependent Resistor, a signal amplifier, the standard TinkerKit 3 pin connector, a green LED that signals that the module is correctly powered and a yellow LED whose brightness changes according to the amount of lightness.

TKLightSensor ldr(IO);

**read()** return the light sensor reading. It is an analog value from 0 to 1023



*Electrónica S.A. de C.V.*

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|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------|-------------|
|                |                                                                           |                          |             |
| AG Electrónica S.A. de C.V.<br>República del Salvador N° 20 Segundo Piso<br>Teléfono: 5130 - 7210 |                                                                           |                          |             |
| Acotación:<br>NA                                                                                  | <a href="http://www.agelectronica.com/">http://www.agelectronica.com/</a> | Escala<br>NA             | Rev 1. MAUM |
|                                                                                                   |                                                                           |                          | Rev 2.      |
| Tolerancia:<br>NA                                                                                 | Descripción: TinkerKit LDR Sensor Module                                  |                          |             |
| Tolerancia:<br>NA                                                                                 | Fecha:<br>26 /09/2013                                                     | Número de parte: T000090 |             |