

Title: Photoresistor models

Generated on: 2026-02-16 21:59:35

Copyright (C) 2026 República GmbH. All rights reserved.

For the latest updates and more information, visit our website: <https://nerdrepública.co.za>

A photoresistor is less light-sensitive than a photodiode or a phototransistor. The photoresistivity of any photoresistor may vary widely depending on ambient temperature, making them unsuitable for applications requiring precise measurement of or sensitivity to light photons. Photoresistors also exhibit a certain degree of latency between exposure to light and t...

I built a working sensor using the arduino starter kit photoresistor (datasheet) using a 10kOhm resistor and a 5V source but want to understand it better. Edit: after helpful comments, this ...

I am teaching myself electronics. I designed this circuit to use a photoresistor to trigger a transistor when I hit the photoresistor with a laser pointer. On the Arduino side, I want it to look li...

A photoresistor is defined as a sensor that changes its resistance in response to light intensity, with higher light levels resulting in lower resistance and lower light levels leading to higher resistance. ...

Based on the materials used, photo resistors can be divided into two types: intrinsic and extrinsic. Intrinsic photoresistors use undoped materials such as silicon or germanium. Photons that fall on the ...

5 As an addition to the other answers, typical CdS photoresistors have their maximum sensitivity at green light and nearly none for red and infrared. Also, their sensitive area is very uneven ...

I have this bird music box, which automatically starts when it senses less light. However I would like it to start when there's more light. Is it possible to define what has to be changed to achieve...

Why do most of dark sensor circuits in the Internet look like this? It seems to me that in such circuit, photoresistor doesn't limit base current and it doesn't work. I think that photoresistor sh...

Find 199 photoresistor 3D models for 3D printing, CNC and design. A standard photoresistor is a light-dependent resistor that changes its resistance based on the amount of light it receives.

Photoresistor models

The photoresistor is a specialized resistor made from semiconductor materials such as sulfides or selenides, operating on the principle of the internal photoelectric effect.

The GrabCAD Library offers millions of free CAD designs, CAD files, and 3D models. Join the GrabCAD Community today to gain access and download!

Light dependent resistors (LDRs) today are not that complicated. Designed originally to help count “bottles and/or cans” passing by a moving flow at production factories, they soon lost ...

Web: <https://nerdpublic.co.za>

