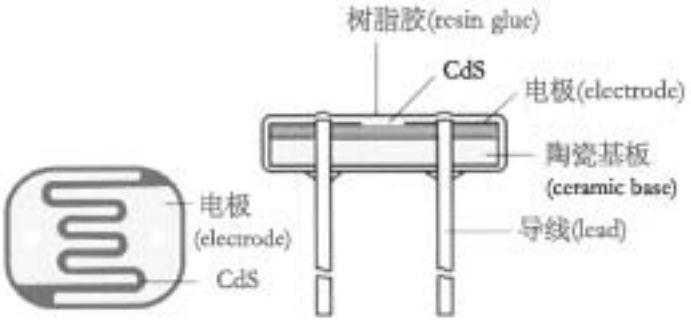
# GL5528

## Schematic Drawing




## Performances and Features

- Coated with epoxy
- Good reliability
- Small volume
- High sensitivity
- Quick response
- Good spectrum characteristic

## Typical Applications

- Camera automation photometry
- Photoelectric control
- Indoor sunlight control
- Annunciator
- Industrial control
- Optical control switch
- Optical control lamp
- Electronic toy

## Standard Type and Specifications

| Specification | Type | Maximum | Maximum power | Environmental | Spectrum peak value |
|---|---|---|---|---|---|
| Φ5 | GL5528 | 150 | 100 | -30~+70 | 540 |

| Specification | Light resistance (10Lux) (KΩ) | Dark resistance (MΩ) | $\gamma_{10}^{100}$ | Response time (ms) | | Illuminance resistance characteristic |
|---|---|---|---|---|---|---|
| | | | | Increase | Decrease | |
| Φ5 | 10-20 | 1 | 0.6 | 20 | 30 | |

Testing Conditions

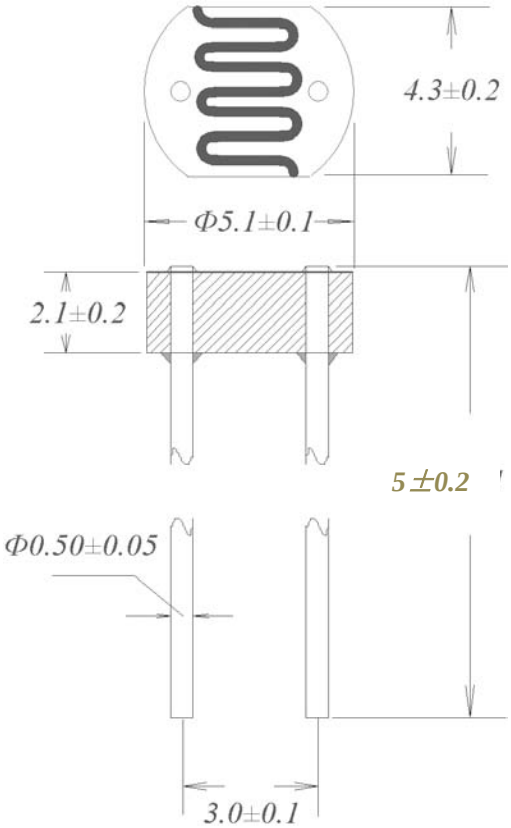
**Max external voltage:** Maximum voltage to be continuously given to component in the dark.

**Max power consumption:** Maximum power at the environmental temperature 25℃.

**Light resistance** Irradiate by 400-600Lux light for two hours, then test with 10Lux under standard light source A(as colour temperature 2856K)

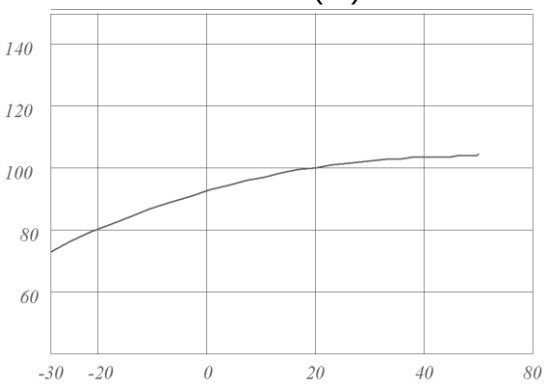
**Dark resistance** Refer to the resistance value ten seconds after the 10Lux light is shut up.

Main Characteristics Curve and Dimensions




Specification unit: mm

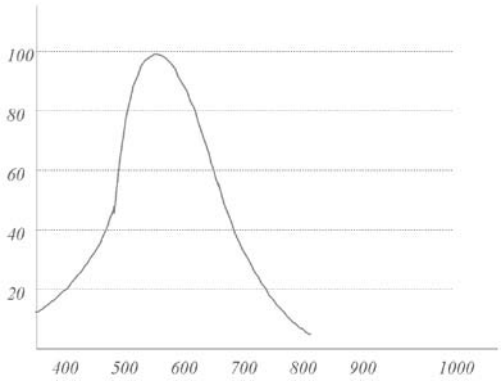
Relative Resistance (%)




Temperature (℃)

Temperature-Property

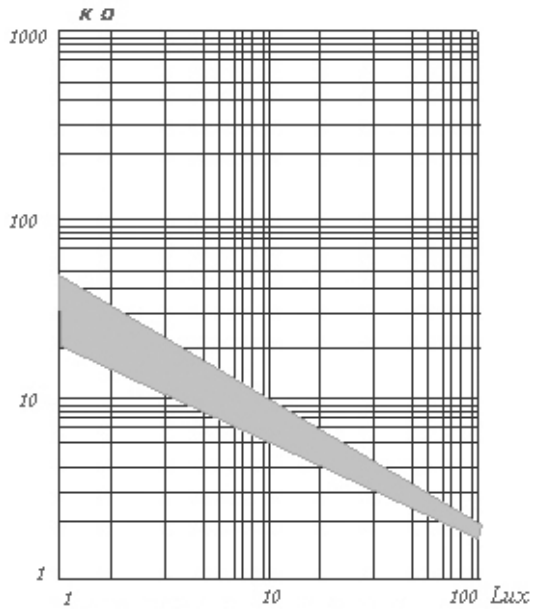
Relative Response (%)

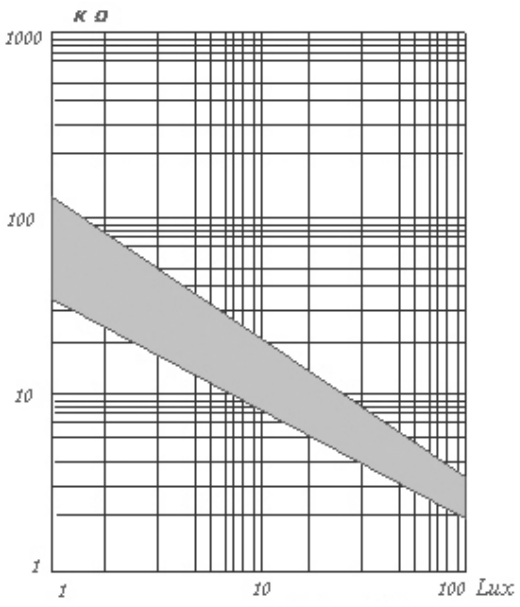


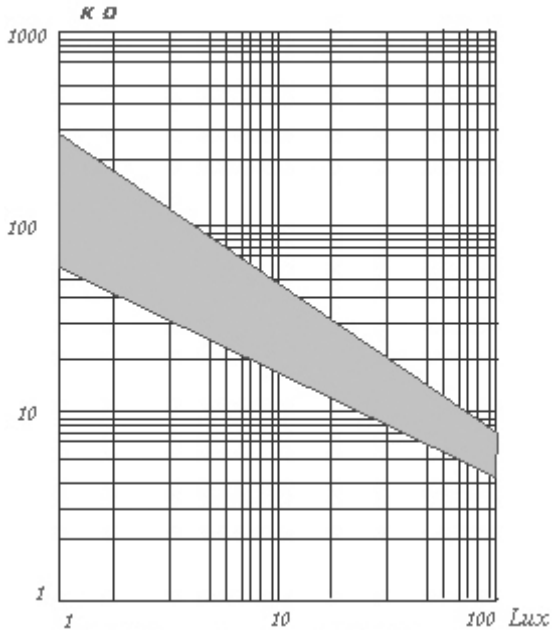

Wavelength λ (nm)

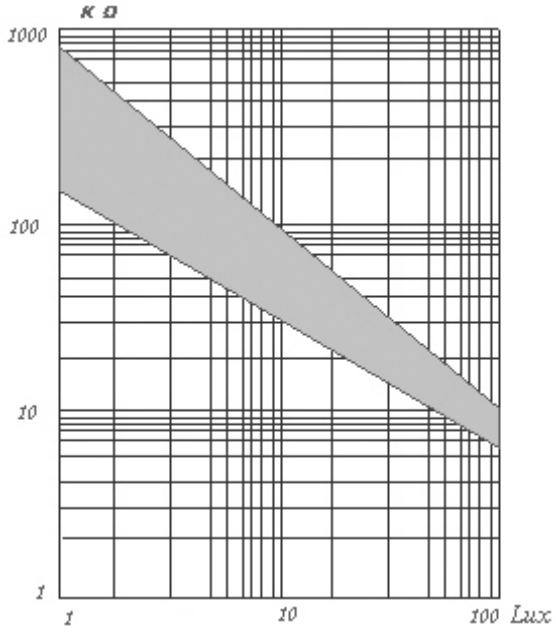
Spectrum Response Characteristic

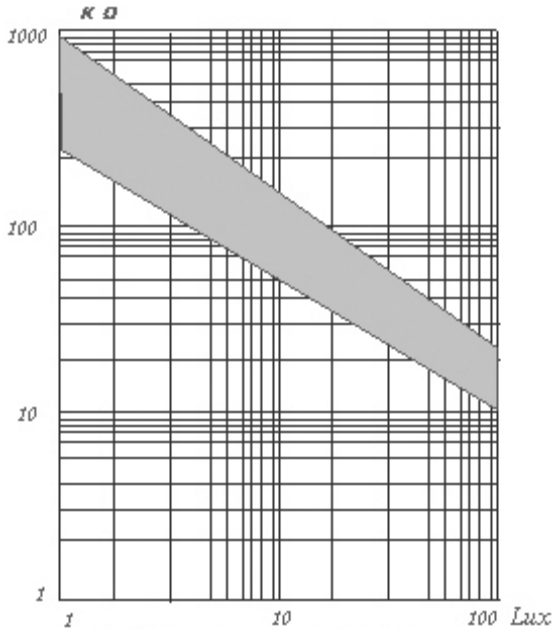
Illuminance-Resistance Characteristics Curve

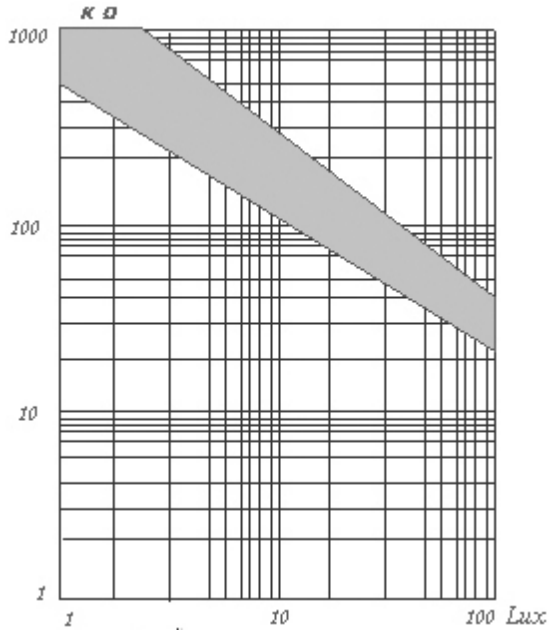





**Packing and Precaution**

1. This product is packed with the environmental protection material, 100pcs per small package,1000pcs per big package.
2. Avoid high temperature and humidity for storing.
3. Soldering should be completed in the shortest possible time.
4. It is recommended that the soldering should keep 4mm away from ceramic substrate. If with wave soldering, the furnace temperature shall not be higher than 250℃.