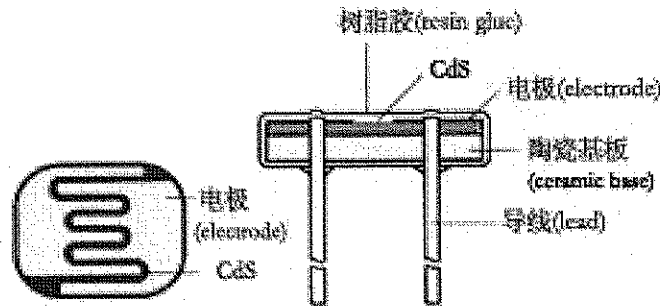


GL45 Series Photoresistor

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 Voltage	Maximum power	Environmental temperature	Spectrum peak value
Φ4 series	GL4516	150	50	-30~+70	540
	GL4526	150	50	-30~+70	540
	GL4537-1	150	50	-30~+70	540
	GL4537-2	150	50	-30~+70	540
	GL4548-1	150	50	-30~+70	540
	GL4548-2	150	50	-30~+70	540

Specification	Light resistance (10Lux) (K Ω)	Dark resistance (M Ω)	γ_{10}^{100}	Response time [*] (ms)		Illuminance resistance characteristic
				Increase	Decrease	
Φ4 series	5-10	0.6	0.5	30	30	2
	10-20	1	0.6	30	30	3
	20-30	2	0.6	30	30	4
	30-50	3	0.7	30	30	4
	50-100	5	0.8	30	30	6
	100-200	10	0.9	30	30	6

Testing Conditions

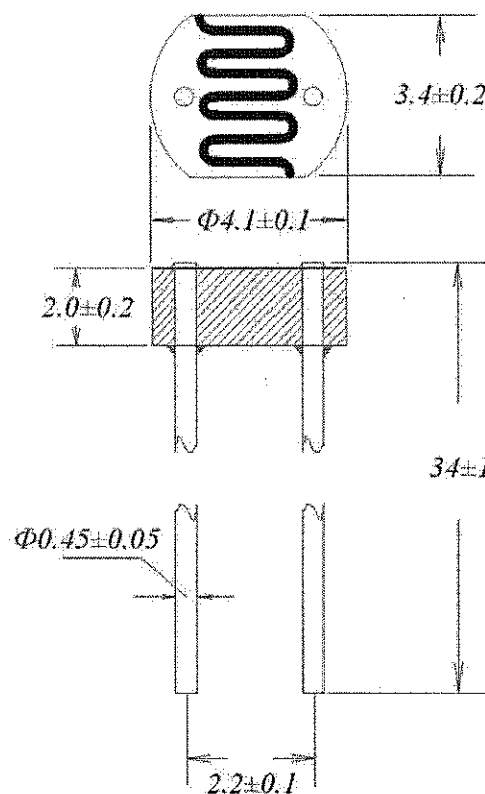
Max external voltage: Maximum voltage to be continuously given to component in the dark.

Max power consumption: Maximum power at the environmental temperature 25°C.

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

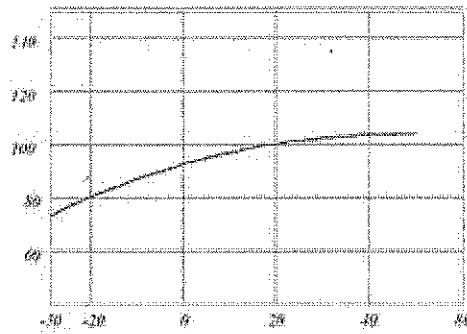


Specification unit: mm

MOBICON
Electronic Components

Mobicon Holdings Limited
7/F., New Trend Centre, 704 Prince Edward Road East, San Po Kong, Kowloon, Hong Kong.
Tel: (852) 2397 6628 / 2397 8218; Fax: (852) 2397 0339 / 2397 8187
<http://www.mobicon.com> E-mail: info@mobicon.com

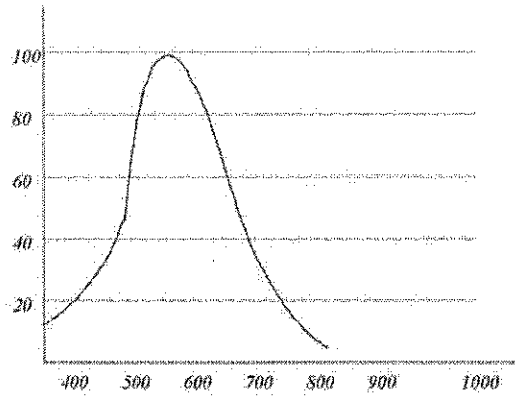
Relative Resistance (%)



Temperature (°C)

Temperature-Property

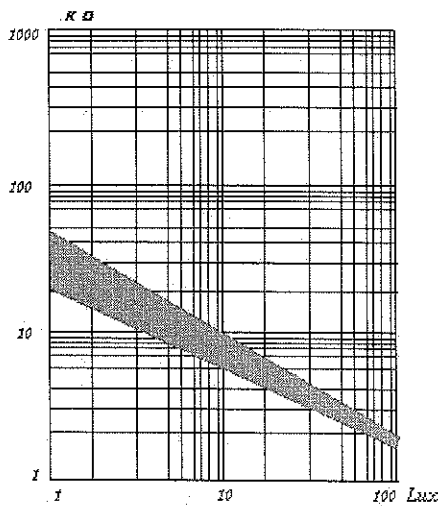
Relative Response (%)



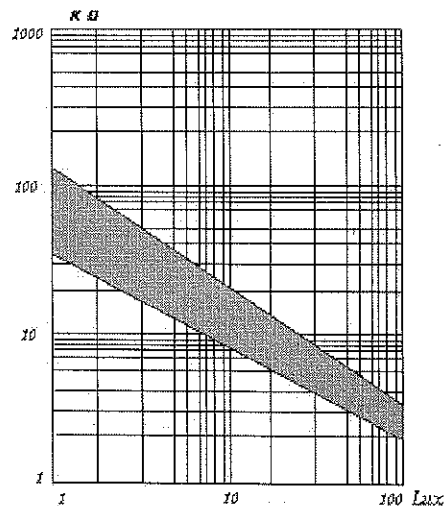
Wavelength λ (nm)

Spectrum Response Characteristic

Illuminance-Resistance Characteristics Curve



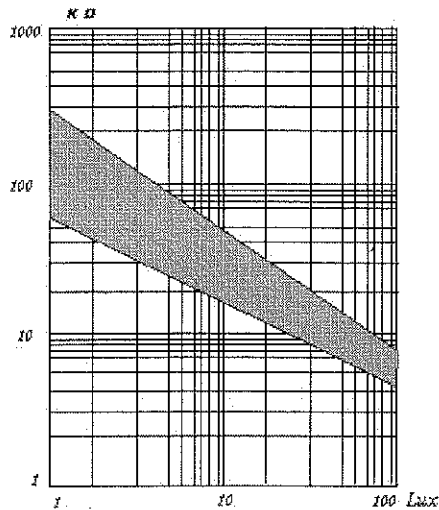
Illuminance-Resistance Curve



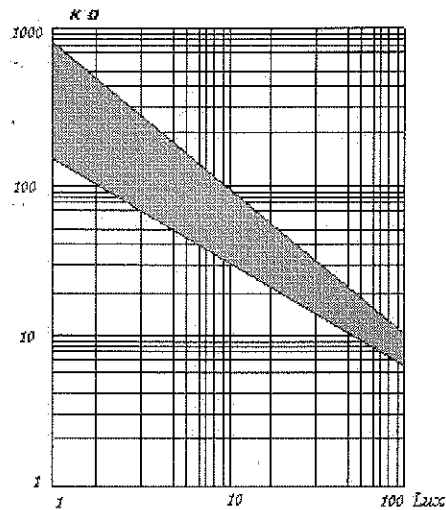
Illuminance-Resistance Curve



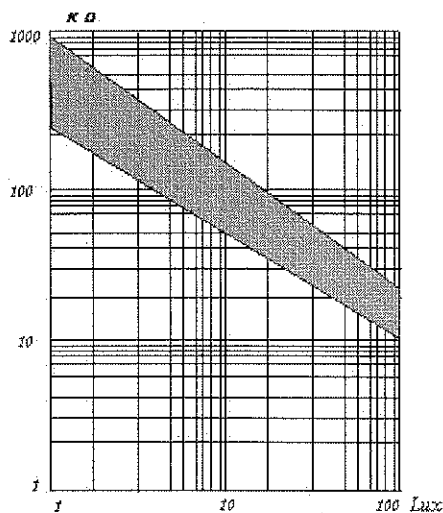
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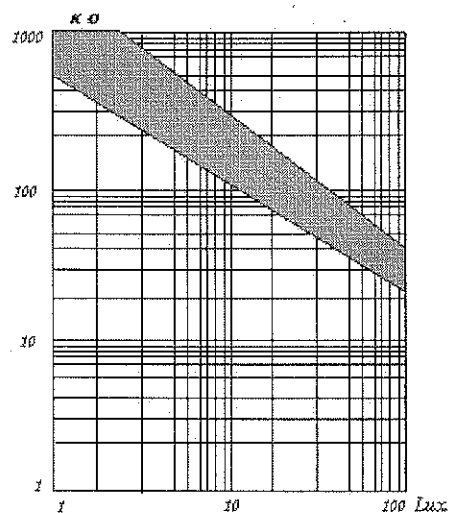
Illuminance –Resistance Curve



Illuminance –Resistance Curve



Illuminance –Resistance Curve



Illuminance –Resistance Curve

Packaging and Notice

This product is packed with the environmental protection material, Small package have 100PCS, and big package have 1000PCS.

Avoid storing CdS in wet or high temperature environment.

Soldering time is as short as possible.

It is recommended that the welding length of the CdS's down-lead should not be less than 4mm.

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