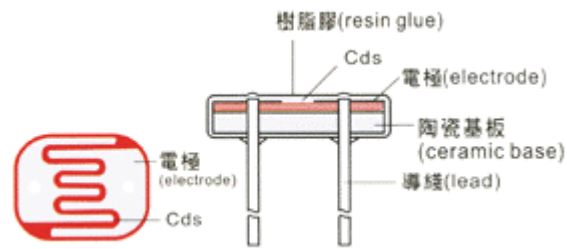


Cds Series Photosensitive Resistance

Special produce 3、 4、 5、 7、 9、 12、

20



❖ Performances and features

Coated with epoxy

Small volume

Quick response

Good reliability

High sensitivity

Good spectrum characteristic

❖ Application range

Camera automation photometry

Indoor sunlight control

Industrial control

Optical control lamp

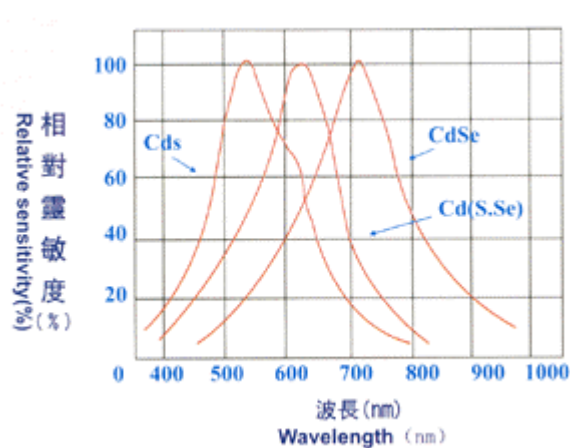
Photoelectric control

Annunciator

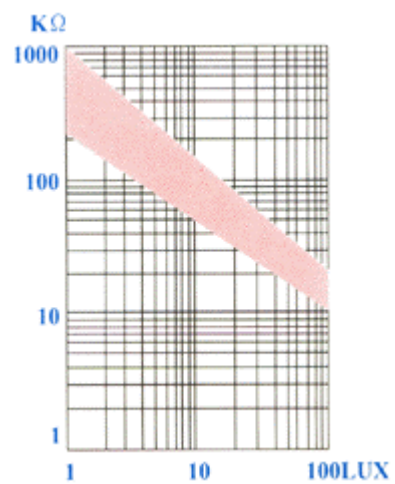
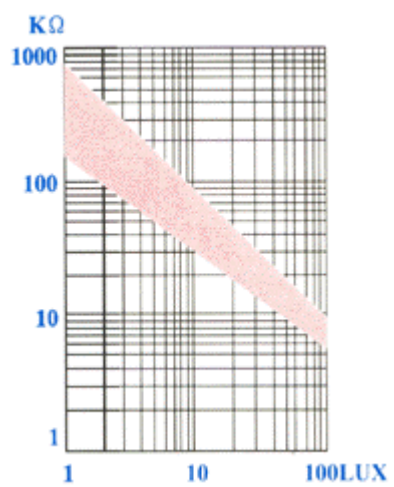
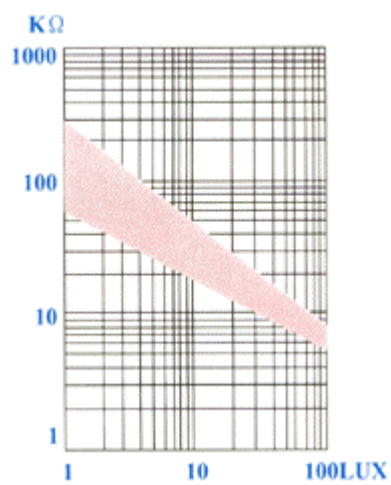
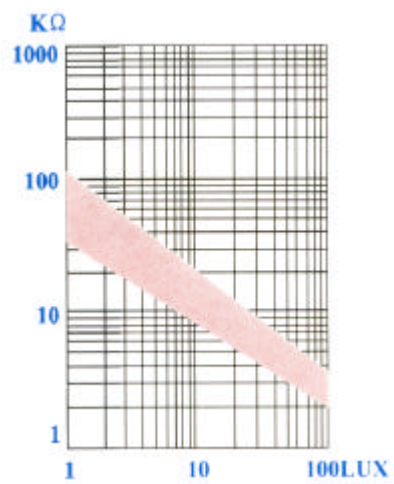
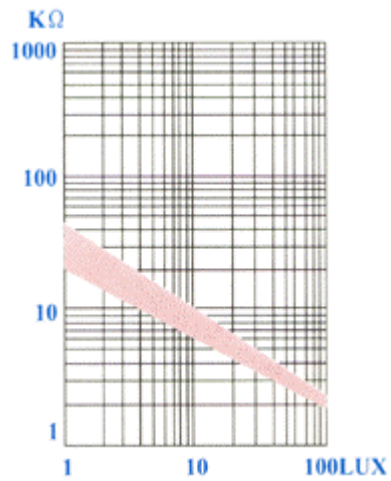
Optical control switch

Electronic toy

❖ Spectrum response characteristic



❖ Illuminance-resistance characteristic



❖ Testing conditions

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.

λvalue is the standard value under 10Lux and 100Lux.

$$= \lg(R_{10}/R_{100}) / \lg(100/10) = \lg(R_{10}/R_{100})$$

Max power consumption:

Maximum power at the environmental temperature 25℃.

Max external voltage:

Maximum voltage to be continuously given to component in the dark.

❖ Specification and type

Specification	Type	Maximum Voltage (VDC)	Maximum power consumption (mw)	Environmental temperature	Spectrum peak value (nm)
f 3 series	GL3516	100	50	-30~+70	540
	GL3526	100	50	-30~+70	540
	GL3537-1	100	50	-30~+70	540
	GL3537-2	100	50	-30~+70	540
	GL3548-1	100	50	-30~+70	540
	GL3548-2	100	50	-30~+70	540
f 4 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
f 5 series	GL5516	150	90	-30~+70	540
	GL5528	150	100	-30~+70	540
	GL5537-1	150	100	-30~+70	540
	GL5537-2	150	100	-30~+70	540
	GL5539	150	100	-30~+70	540
	GL5549	150	100	-30~+70	540
	GL5606	150	100	-30~+70	560
	GL5616	150	100	-30~+70	560
	GL5626	150	100	-30~+70	560
	GL5637-1	150	100	-30~+70	560
	GL5637-2	150	100	-30~+70	560
	GL5639	150	100	-30~+70	560

	GL5649	150	100	-30~+70	560
f 7 series	GL7516	150	100	-30~+70	540
	GL7528	150	100	-30~+70	540
	GL7537-1	150	150	-30~+70	560
	GL7537-2	150	150	-30~+70	560
	GL7539	150	150	-30~+70	560
f 9 series	GL9516	200	150	-30~+70	560
	GL9528	200	150	-30~+70	560
	GL9537-1	200	150	-30~+70	560
	GL9537-2	200	150	-30~+70	560
	GL9539	200	150	-30~+70	560
f 12 series	GL12516	250	200	-30~+70	560
	GL12528	250	200	-30~+70	560
	GL12537-1	250	200	-30~+70	560
	GL12537-2	250	200	-30~+70	560
	GL12539	250	200	-30~+70	560
f 20 series	GL20516	500	500	-30~+70	560
	GL20528	500	500	-30~+70	560
	GL20537-1	500	500	-30~+70	560
	GL20537-2	500	500	-30~+70	560
	GL20539	500	500	-30~+70	560

Specification	Light resistance (10Lux) (KO)	Dark resistance (MO)	γ_{10}^{100}	Response time (ms)		Illuminance resistance characteristic
				Increase	decrease	
f 3 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
f 4 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
f 5 series	5-10	0.5	0.5	30	30	2
	10-20	1	0.6	20	30	3
	20-30	2	0.6	20	30	4
	30-50	3	0.7	20	30	4
	50-100	5	0.8	20	30	5
	100-200	10	0.9	20	30	6
	4-7	0.5	0.5	30	30	2
	5-10	0.8	0.6	30	30	2
	10-20	2	0.6	20	30	3
	20-30	3	0.7	20	30	4
	30-50	4	0.8	20	30	4
	50-100	8	0.9	20	30	5
	100-200	15	0.95	20	30	6
f 7 series	5-10	0.5	0.6	30	30	2
	10-20	1	0.6	30	30	3
	20-30	2	0.7	30	30	4
	30-50	4	0.8	30	30	4
	50-100	8	0.8	30	30	6
f 9 series	5-10	1	0.6	30	30	3
	10-20	2	0.6	30	30	3
	20-30	3	0.7	30	30	4
	30-50	5	0.7	30	30	4
	50-100	8	0.8	30	30	6
f 12 series	5-10	1	0.6	30	30	3
	10-20	2	0.6	30	30	3
	20-30	3	0.7	30	30	4
	30-50	5	0.7	30	30	4
	50-100	8	0.8	30	30	6
f 20 series	5-10	1	0.6	30	30	3
	10-20	2	0.6	30	30	3
	20-30	3	0.7	30	30	4
	30-50	5	0.7	30	30	4
	50-100	8	0.8	30	30	6