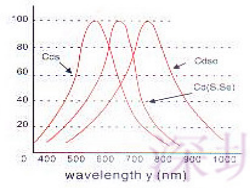


**Test Conditions & Performance Characteristics**

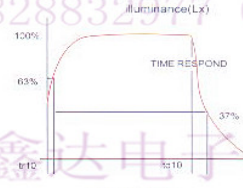
1. Bright Resistance: it refers to the resistance value which is tested with an illumination intensity of 10 Lux under standard light source A (color temperature 2854K)
2. Dark Resistance: it refers to the resistance value which is tested at the tenth second after the light source is turned off ( 0 lux).
3.  $\gamma$  value represents the standard value under illumination intensity of 10Lux and 100 Lux.  $\gamma = (R_{10}/R_{100})\log(100/10)$   
R10 and R100 are the bright resistance values for 10 Lux and 100 Lux respectively. The tolerance of  $\gamma$  value is  $\pm 0.1$ .
4. The maximum power loss: the maximum power loss at the ambient temperature of 25°C.
5. The maximum applied voltage: It refers to the maximum voltage that can be applied to the element continuously in darkness.

44系列	最大电压 VDC	最大功耗 (mw)	环境温度 °C	光谱峰值 (nm)	10Lux (K $\Omega$ )	暗电阻 (M $\Omega$ )	100 $\gamma$ 10	响应时间(ms)	
								上升	下降
LG4406	100	90	-30~+70	540	4-6	>0.5	0.6	30	40
LG4416	100	90	-30~+70	540	5-10	>1.0	0.6	30	40
LG4427	120	100	-30~+70	540	10-20	>2.0	0.7	30	30
LG4437	120	100	-30~+70	540	20-30	>5.0	0.7	20	30
LG4447	120	100	-30~+70	540	30-50	>10	0.7	20	30
LG4448	120	100	-30~+70	540	50-100	>20	0.8	20	30
LG4458	120	100	-30~+70	540	100-200	>20	0.8	20	30
LG4469	120	100	-30~+70	540	200-400	>30	0.9	20	30

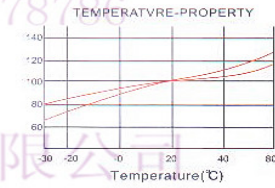
LG 44 系列 $\phi 4$	A	B	C	D	E	F	G
	4.3±0.1	3.6±0.1	2.5±0.05	36±1	1.8±0.2	0.4±0.02	0.2±0.05



光谱响应特性  
Spectrum Response Characteristics

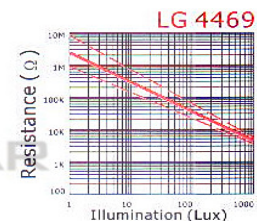
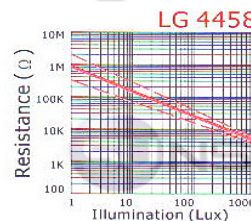
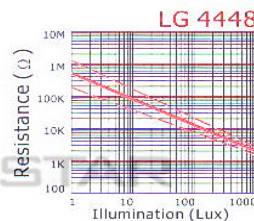
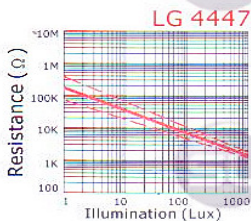
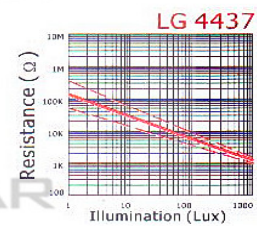
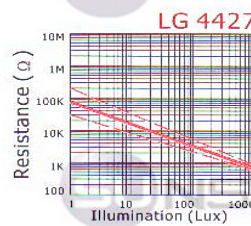
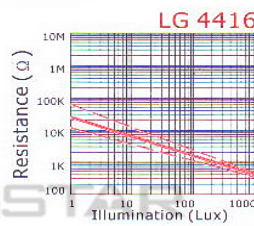
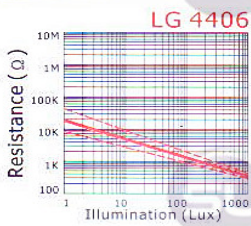


响应时间  
Response Time



温度特性  
Temperature Characteristics

**电阻、照明特性 Illumination and Resistance Characteristics**



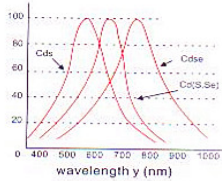
**测试条件与性能特性**

- 1、亮电阻：在标准光源A（色温2854K）下，用10Lux照度测量的阻值。
- 2、暗电阻：指关闭光照后（0Lux）第10秒的电阻值。
- 3、 $\gamma$  值是指10Lux照度和100Lux照度下的标准值。
- 4、最大功率损耗：环境温度为25℃时的最大功率损耗。
- 5、最大外加电压：指在黑暗中可连续施加给元件的最大电压。

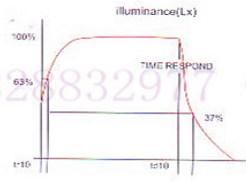
$$\gamma = \frac{10g(R_{10}/R_{100})}{10g(100/10)} = 10g(R_{10}/R_{100}) \quad \bullet \quad R_{10}、R_{100} \text{ 分别为 } 10\text{Lux}、100\text{Lux} \text{ 照度下的亮阻值，} \gamma \text{ 值的公差为 } \pm 0.1。$$

55系列	最大电压 VDC	最大功率 (mw)	环境温度 ℃	光谱峰值 (nm)	10Lux (KΩ)	暗电阻 (MΩ)	100 $\gamma$ 10	响应时间(ms)	
								上升	下降
LG5506	100	90	-30~+70	540	4-6	>0.5	0.6	30	40
LG5516	100	90	-30~+70	540	5-10	>1.0	0.6	30	40
LG5527	150	100	-30~+70	540	10-20	>2.0	0.7	30	30
LG5537	150	100	-30~+70	540	20-30	>5.0	0.7	20	30
LG5547	150	100	-30~+70	540	30-50	>10	0.7	20	30
LG5548	150	100	-30~+70	540	50-100	>20	0.8	20	30
LG5558	150	100	-30~+70	540	100-200	>20	0.8	20	30
LG5569	150	100	-30~+70	540	200-400	>30	0.9	20	30

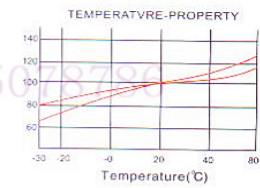
LG 55 系列 Φ5	A	B	C	D	E	F	G
	5.1±0.2	4.3±0.2	3.4±0.1	36±1	1.8±0.2	0.5±0.02	0.2±0.05



光谱响应特性  
Spectrum Response  
Characteristics

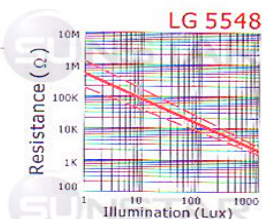
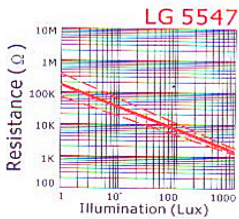
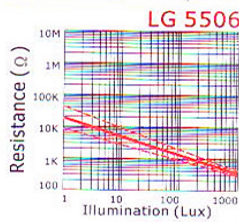


响应时间  
Response Time



温度特性  
Temperature Characteristics

**电阻、照明特性 Illumination and Resistance Characteristics**

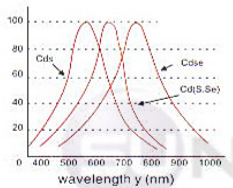
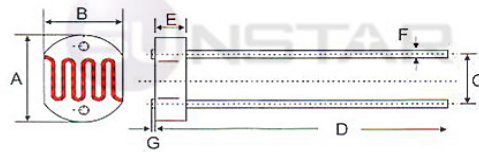


**Test Conditions & Performance Characteristics**

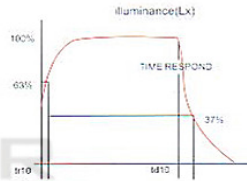
1. Bright Resistance: it refers to the resistance value which is tested with an illumination intensity of 10 Lux under standard light source A (color temperature 2854K)
2. Dark Resistance: it refers to the resistance value which is tested at the tenth second after the light source is turned off (0 lux).
3.  $\gamma$  value represents the standard value under illumination intensity of 10Lux and 100 Lux.  $\gamma = (R_{10}/R_{100})\log(100/10)$   
R10 and R100 are the bright resistance values for 10 Lux and 100 Lux respectively. The tolerance of  $\gamma$  value is  $\pm 0.1$ .
4. The maximum power loss: the maximum power loss at the ambient temperature of 25°C.
5. The maximum applied voltage: It refers to the maximum voltage that can be applied to the element continuously in darkness.

75系列	最大电压 VDC	最大功耗 (mw)	环境温度 °C	光谱峰值 (nm)	10Lux (KΩ)	暗电阻 (MΩ)	100 $\gamma$ 10	响应时间(ms)	
								上升	下降
LG7506	150	200	-30~+70	540	4-7	>0.5	0.6	30	40
LG7516	150	200	-30~+70	540	5-10	>1.0	0.6	30	40
LG7527	150	200	-30~+70	540	10-20	>2.0	0.7	20	30
LG7537	150	200	-30~+70	540	20-30	>5.0	0.7	20	30
LG7547	150	200	-30~+70	540	30-50	>10	0.7	20	30
LG7548	150	200	-30~+70	540	50-100	>20	0.8	20	30
LG7558	150	200	-30~+70	540	100-200	>20	0.8	20	30
LG7569	150	200	-30~+70	540	200-400	>30	0.9	20	30

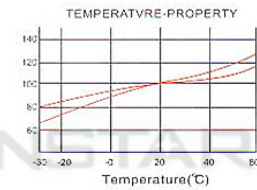
LG 75 系列 φ7	A	B	C	D	E	F	G
	7.1±0.2	5.8±0.2	5.0±0.1	36±1	1.8±0.2	0.5±0.02	0.2±0.05



光谱响应特性  
Spectrum Response Characteristics

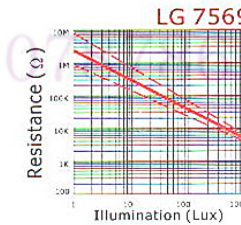
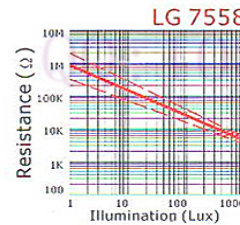
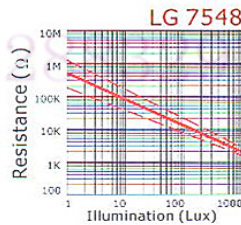
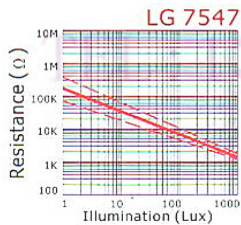
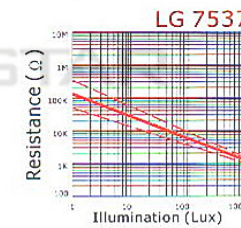
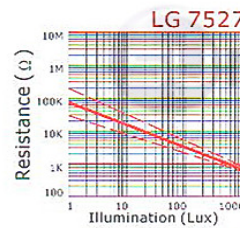
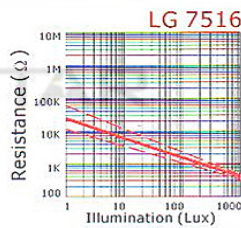
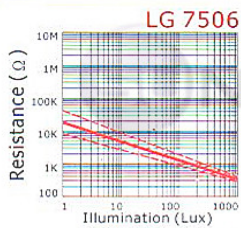


响应时间  
Response Time



温度特性  
Temperature Characteristics

**电阻、照明特性 Illumination and Resistance Characteristics**



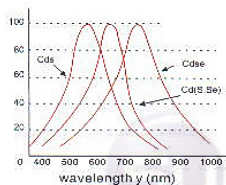
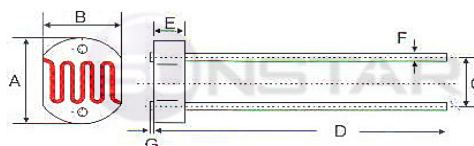
**测试条件与性能特性**

- 1. 亮电阻：在标准光源A（色温2854K）下，用10Lux照度测量的阻值。
- 2. 暗电阻：指关闭光照后（0Lux）第10秒的电阻值。
- 3.  $\gamma$  值是指10Lux照度和100Lux照度下的标准值。
- 4. 最大功率损耗：环境温度为25℃时的最大功率损耗。
- 5. 最大外加电压：指在黑暗中可连续施加给元件的最大电压。

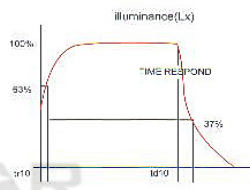
$$\gamma = \frac{10g(R10/R100)}{10g(100/10)} = 10g(R10/R100) \quad \bullet \quad R10、R100 \text{ 分别为 } 10\text{Lux}、100\text{Lux} \text{ 照度下的亮阻值，} \gamma \text{ 值的公差为 } \pm 0.1。$$

125系列	最大电压 VDC	最大功率 (mw)	环境温度 ℃	光谱峰值 (nm)	10Lux (KΩ)	暗电阻 (MΩ)	100 $\gamma$ 10	响应时间(ms)	
								上升	下降
LG12506	200	250	-30~+70	540	4-7	>0.5	0.6	30	40
LG12516	200	250	-30~+70	540	5-10	>1.0	0.6	30	40
LG12527	200	250	-30~+70	540	10-20	>2.0	0.7	20	30
LG12537	200	250	-30~+70	540	20-30	>5.0	0.7	20	30
LG12547	200	250	-30~+70	540	30-50	>10	0.7	20	30
LG12548	200	250	-30~+70	540	50-100	>20	0.8	20	30
LG12558	200	250	-30~+70	540	100-200	>20	0.8	20	30
LG12569	200	250	-30~+70	540	200-400	>30	0.9	20	30

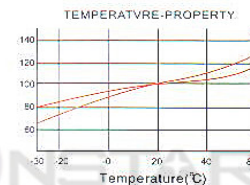
LG 125 系列 $\phi 12$	A	B	C	D	E	F	G
	11.8±0.2	10.6±0.2	9.0±0.1	36±1	1.8±0.2	0.5±0.02	0.2±0.05



光谱响应特性  
Spectrum Response Characteristics



响应时间  
Response Time



温度特性  
Temperature Characteristics

**电阻、照明特性 Illumination and Resistance Characteristics**

