



## Selector Guide of Ambient Light Sensor

The following information is only for qualitative reference.

Sensor SKU	Relative Spectral Sensitivity	Illuminance Range	Output(VCC=5V)
SEN004 3 ( TEMENT6000 )	<p>18465</p>	1-5000lx	analog voltage:0-5V
SEN009 7 ( BH1750 )		1-65535lx	digital:I2C,with Low Filter(<50Hz)

SEN017  
2 ( LX1972 )

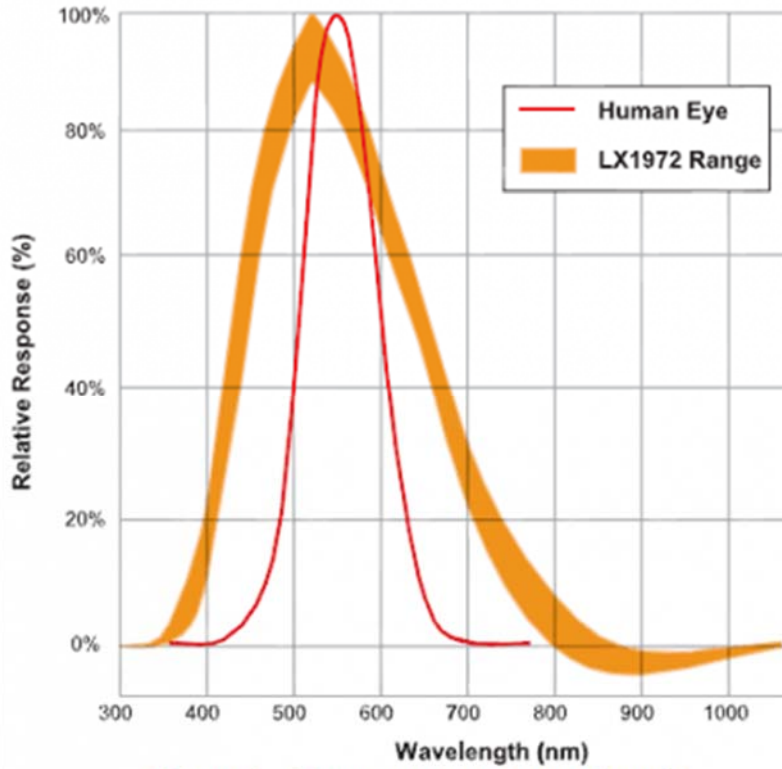
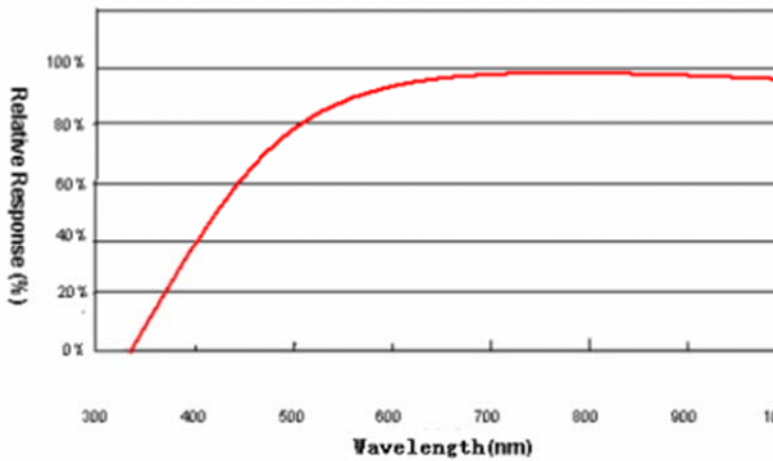


Chart 1 – Response vs. wavelength

1-800lx

analog  
voltage:0-  
3.6V,with Low  
Filter(<50Hz)

DFR002  
6 ( PT550 )



1-1000lx

analog  
voltage:0-5V

## Typical Illuminance

- Night: 0.001--0.02;
- Moonlight: 0.02--0.3;
- Cloudy indoor: 5--50;
- Cloudy outdoor: 50--500;
- Sunny indoor: 100--1000;
- under the sunlight in summer afternoon: about  $10^6$  power;
- Reading books for intensity of illumination: 500--600;
- Home video standard intensity of illumination: 1400.