

## 1. TECHNICAL SPECIFICATIONS

Accuracy is indicated as [% rdg]. It is referred to the following reference conditions: 23°C ± 5°C with RH < 80%. The luxmeter is calibrated with standard incandescent lamp at color temperature 2856 K and corrected LED in white, yellow, green, blue, red LED light spectrum

### Illuminance measurements (Aurorance)

Range (Lux)	40	400	4k	40k	400k
Resolution (Lux)	0.01	0.1	1	10	100
Accuracy	± (3% rdg)				

Range (Fc)	40	400	4k	40k
Resolution (Fc)	0.01	0.1	1	10
Accuracy	± (3% rdg)			

- 1Fc (Footcandle)=10.76Lux, 1Klux=1000Lux, 1Kfc=1000fc.
- For temperature/color different form reference, accuracy its 6%rdg

### Luminous intensity measurements (Aurorance)

Range (Cd)	depend on Lux(Fc) measurements
Range distance	0.01 ÷ 30.47m (0.01 ÷ 99.99ft)

- Luminous intensity (Cd) = Illumination (Lx/Fc) x distance (m<sup>2</sup>/ft<sup>2</sup>)

### Specifications

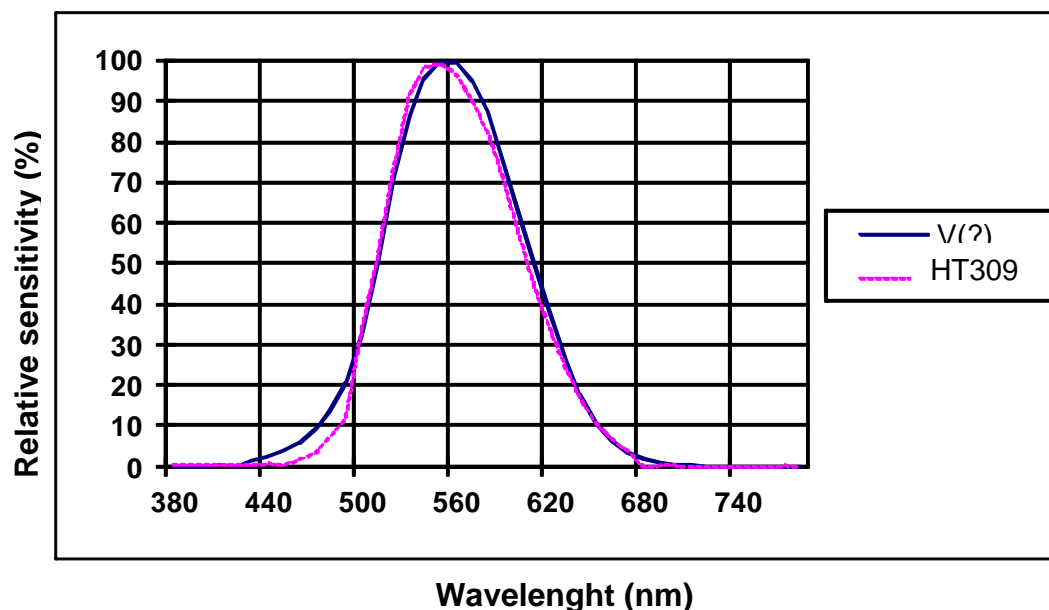
Spectral response: CIE Photopic. (CIE human eye response curve).  
Accuracy on angular deviation from cosine curve: 30° (± 2%), 60° (± 6%), 80° (± 25%)

### Light source specifications

LED colour	White	Red	Yellow	Green	Blue	Purple
Light source factor	0.99	0.516	0.815	1.216	1.475	1.148

### Spectral sensitivity

The photodiode with filters makes the spectral sensitivity almost meet the CIE photo-optic curve V(λ) as shown below.



### Photo detector

The photo detector is a silicon photodiode with spectral response filter.



## 2. GENERAL SPECIFICATIONS

### Features

Data HOLD  
MAX/MIN/AVG  
Digital Zero adjustment  
Autorange  
Internal memory: max 99 locations  
Recall and Clear memory

### Mechanical characteristics

Meter sizes: 130(L) x 55(W) x 38(H)mm  
Sensor sizes: 80(L) x 55 (W) x 25(H) mm  
Weight (including battery): 250g

### Supply

Battery type: 1x9V type IEC 6F22 JIS 006P  
Low battery indication: "⚡" is displayed when the battery level is too low.  
Battery life: about 200 hours  
Auto Power OFF: after 5 minutes of idleness (disable)

### Display

Characteristics: LCD, 4000 points, with "OL" indication.  
Sample rate: 2.5 times/sec

### Standards considered

Standard guidelines: JIS C 1609:1993 and CNS 5119  
general Class A specification

## ENVIRONMENTAL CONDITIONS

### Climatic conditions

Reference temperature:  $23^{\circ} \pm 5^{\circ}\text{C}$   
Operating temperature:  $-5 \div 40^{\circ}\text{C}$   
Operating humidity:  $<80\% \text{ RH}$   
Storage temperature:  $-10 \div 60^{\circ}\text{C}$   
Storage humidity:  $<70\% \text{ RH}$   
Max altitude of use: 2000m  
Pollution degree: 2

**This product conforms to the prescriptions of the EMC directive 2004/108/EEC**