POWER PARAMETERS

QUALITY AND PRECISION IN POWER

Chroma Lightmeter Plus ST522



Applications

- Color LED Lighting
- Commercial Displays
- Film and Television
- Projection Halls
- Art Galleries
- Museums
- Theatres
- Arenas
- Stadiums



- Greenhouse lighting



- Street lighting



- Interior room lighting

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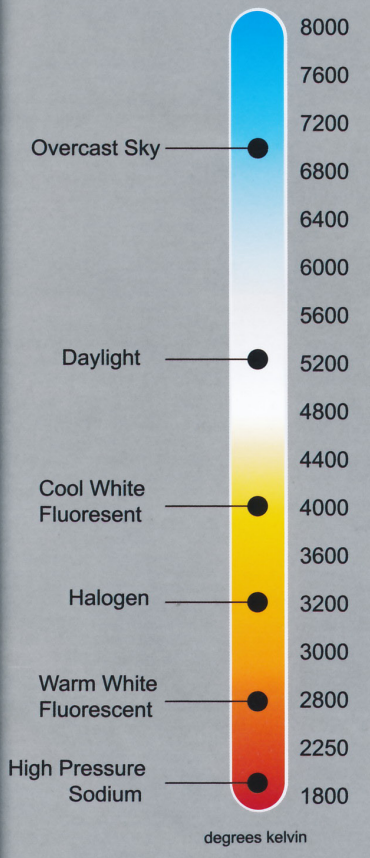
Features

- Multi-light sources measurement of light illuminance.
- Multi-light sources selection function.
- Meets CIE Photopic spectral response.
- Data Hold function.
- Fast responding.



SPECIFICATIONS

Model name	ST522
Sensor Element	SPC(Silicon Photocell)
Measuring Function	Illuminance：Ev (lx or fcd) Color Coordinate：(x, y), (u', v') (CIE 1960) Correlated Color Temperature：CT, ⊿uv Color Difference：(⊿Ev, ⊿x, ⊿y), (⊿Ev, ⊿u', ⊿v'), (⊿Ev, ⊿CT, ⊿u'v'), (One set of reference color)
Measuring Range	Ev：0~80000 lx(0~7432 fcd) CT：99990 K Max.
Accuracy (at 25˚C, 60% RH)	Ev：±(3%+2 Digital) (3000 lx, standard illuminant A measured) x, y：± 0.02 (100 lx, RGB LED Light)
Resolution	Ev：1(0~9999), 10(Over 10000), lx ; 0.1(0.0~999.9), 1(Over 1000), fcd ; CT：1(0~9999), 10(Over 10000), K ; x, y：0.001 ; u', v'：0.001
Response Time	Approx. 1 sec.
Repeatability	x, y：±0.003 (100 lx, RGB LED Light)
Temperature Drift	Ev：±(5%+2 Digital) (3000 lx, standard illuminant A measured) x, y：± 0.008 (100 lx, RGB LED Light)
Humidity Drift	Ev：±(3%+2 Digital) (3000 lx, standard illuminant A measured) x, y：± 0.005 (100 lx, RGB LED Light)
Operation Temperature	32˚F to 122˚F (0˚C to 50˚C), Less than 80% RH
Store Temperature	14˚F to 140˚F (-10˚C to 60˚C), Less than 85% RH
Battery life	70 hours or longer continuous use
Measuring Light Sources	FL (Fluorescent), INC (Incandescent), LED
Multi-Display	Triple readings
Over range indication	Yes (〝－HI－〞)
Data Hold	Yes
Low battery indication	Yes
Auto Power Off	10 Minutes of idle
Weight	6.3 oz. (179g) without battery
Dimensions	Main Instrument：5.5 x 1.9 x 1.1 inch (140 x 49 x 29 mm) Sensor Probe：6.5 x 2.0 x 1.4 inch (165 x 50 x 36 mm)
Accessories	9V Battery x1, Instruction manual x1, Carrying case x1



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