

L22

Luminance camera



Technical specification

SENSOR

CMOS mono 8,1/12,4/24,6 Mpix

SYSTEM / INTERFACE

- Autonomous (embedded microcomputer)
- PC via USB / WiFi

MEASURING RANGE

0,1 cd/m²(16s) to 5.000.000 cd/m² (10us)
up to 10⁸ cd/m² with additional ND filters

MEASURING QUANTITIES

Luminance: L [cd/m²]
Color (only for color version):
x, y, RGB, XYZ, sRGB, Lxy, Luv,
Lu'v', L*a*b, HIS, HSV, HSL

SPECTRAL MISSMATCH

V(λ) [$f_1' < 3,5\%$]

IMAGE FIELD

Depending on the lens used:
12mm, 16mm, 25mm, 35mm, 50mm

REPEATABILITY

$\Delta L < 0,05\%$ (to the average value)

OPERATING TEMPERATURE

+5°C - +30°C

SOFTWARE

L22 Lum Basic / Pro (customization capability)

DIMENSIONS (LxWxH)

63 mm x 137 mm x 200 mm (without antenna)
Mounting: BSW 1/4" tripod thread

Top features

LUMINANCE DISTRIBUTION

Measurement of direct and reflected luminance distributions

LUMINOUS INTENSITY DISTRIBUTION

Calculation of LID based on the analysis of luminance distribution measurement on the surface of a calibrated screen

LUMINANCE/COLOR UNIFORMITY*

Uniformity of the light spot "3D" (luminance, color, color temperature, etc.)

LED/OLED DISPLAY UNIFORMITY

Luminance and color uniformity of LED/OLED screen and display surfaces

CALIBRATION OF LUMINAIRES

Evaluation of LED parameter changes over time
Calibration and adjustment capabilities of LED/OLED luminaires.

ROAD LIGHTING MEASUREMENTS

Evaluation of parameters of street lighting, according to PN/EN 13201 standard.

CUSTOM SOLUTIONS

The ability to develop configurations and software tailored to the customer's needs