

λ22

Spectrometer



Technical specification

SENSOR

CMOS 256 linear image sensor with a slit
Resolution: 1,72nm
Wavelength reproducibility: (-0,5 to 0,5nm)
Integration time: <0,1ms - 1s

SYSTEM / INTERFACE

- Autonomous (embedded microcomputer)
- PC via USB-C / WiFi
- Mobile via USB-C / WiFi (Android / iOS)

MEASURING QUANTITIES

Illuminance: E [lx]
Spectral power distribution

CALCULATED VALUES

XYZ, x, y, RGB, sRGB, Lxy, Luv, Lu'v', L*a*b, HIS, HSV, HSL, CCT, Duv, CRI, Rf, Rg, TM-30 etc.

REPEATABILITY

$\Delta I < 0,1\%$ (for standard Illuminant A)

OPERATING TEMPERATURE

+5°C - +30°C

SOFTWARE

L22 Spec Basic / Pro (customization capability)

BATTERY

1600 mAh, 5V, rechargeable via USB-C cable

DIMENSIONS (LxWxH)

30 mm x 91 mm x 130 mm (without antenna)
Mounting: BSW 1/4" tripod thread

Top features

AUTOMATIC LID/CD* MEASUREMENT

Automatic LID* and CD* measurement for movable luminaires (DMX/ArtNet) and for others with the λ22 goniometer.

SPECTRUM DISTRIBUTION

Ultra fast measurement of spectral distributions from 340 to 780nm

ADJUSTMENT/ EVALUATION

Assess and adjust lighting parameters with the support of AI algorithms.

CUSTOM SOLUTIONS

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

CAPTURE COLOR

Capture and automatically replicate the color of any lighting device using another device with multicolor LED. Take advantage of our scanning and color matching system.