



QALIF SPECTRO



PRODUCT NAME:

Qalif Spectro

Re-engineered from the ground up in a more ergonomic form factor the Qalif Spectro v3 is not only designed for use with all cinema projectors including Laser RGB, Laser Phosphor, Xenon, UHP Lamps but thanks to the new calibration capabilities and accessories attachment it allows measurement of Direct-View video walls, LED, computer monitors and lab experiments.

Features and Benefits

- Cinema industry leading stand-alone spectrometer
- Portable device with fast alignment thanks to the integrated targeting laser pointer
- Accurate light and color readings for excellent repeatability
- Performs in ultra-low luminance environments with fast measurement integration time
- Superior Pixel resolution provides more data points per nm.
- Internal switchable ND filter calibrated from factory for singlechip color wheel projectors
- Software integration in 3rd Party calibration support:
 - ColourSpace (Light Illusion)
 - Calman (Portrait Displays)
 - Others upon request
- Increased calibration quality thanks to a new automated factory calibration process
- Custom spectrum calibration available and not restricted to the standard CIE Illuminant A

Product Enhancements

- Redesigned ergonomic chassis
- Hard and soft bag carry system for improved portability
- Reduced environmental impact using standard USB-C connector and embedded rechargeable battery with improved battery management for power saving capabilities
- Improved LCD touch screen resolution and viewing angle
- Adjustable handle for a better grip
- Magnetic and rail accessories attachment:
 - Filters holder (magnetic)
 - Tube for contact measurement (magnetic)
 - Broadband Hybrid Diffusers
 - Rail for lab experiments

Technical Overview

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| Spectral range | 380nm to 780nm Photometric CIE values |
| Spectral bandwidth | FWHM: 1.8nm |
| Color accuracy (Illuminant A) | ± 0.0015 for CIE 1931 (xy) |
| Calibration* | NIST traceable; CIE Illuminant A and custom Illuminant |
| Repeatability | $\leq 1\%$ |
| Luminance range | Greater than 200,000 cd/m ² |
| Luminance accuracy | $\pm 1\%$ |
| Measuring values | cd/m or fL, Y, CCT/xy/u'v'/uv/wavelength peak |
| Measuring aperture | 2° (FOV) |
| Power | USB-C, Li-ion with 4hr battery life |
| Dimensions | 6.4" x 5.5" x 4"/162 x 140 x 101mm, 2.64lbs/1.2kg |

*Calibration recommended every year, dependent on requirements
Specifications are subject to change without notice