

Fabrizio – Ultraviolet Lamp

Technical Data Sheet

1. Product Overview

Fabrizio is a high-performance ultraviolet (UV) LED lamp designed for cultural heritage, art conservation, and scientific examination. It provides intense and spectrally pure UVA radiation optimized for ultraviolet fluorescence (UVF) and reflected ultraviolet (UVR) technical photography.

2. Technical Specifications

UV Emission Type	UVA LED
Peak Wavelength	365 nm
Radiant Power	14,250 mW
Beam Angle	60° focusing lens
UV Purity	Visible and IR radiation filtered
LED Lifetime	30,000 – 50,000 hours
Dimensions	16 × 14 × 14.5 cm
Weight	1.5 kg
Power Supply	110–220 V AC
Power Cable Length	5 m
Mounting	Handheld or photographic tripod adapter

3. Optical and Spectral Performance

The lamp integrates a high-power UVA LED source combined with optical filtering to remove residual visible violet light and infrared emission. This ensures accurate fluorescence excitation and minimizes spectral contamination during technical imaging.

4. Typical Applications

- Ultraviolet fluorescence (UVF) imaging of artworks
- Reflected ultraviolet (UVR) photography
- Detection of varnishes, restorations, and retouching
- Conservation diagnostics and documentation
- Scientific and forensic UV examination

