New Product: August 2015

Crime-lite® 82L UV

High intensity linear UV light source

A specialist UV light source ideal for the examination of shoe prints, tool marks and other evidence of contact, on flat surfaces.

Designed in response to customer requests, the Crime-lite®82L UV places 16 high intensity UV LEDs behind a cylindrical lens to provide a wide linear beam of ultraviolet illumination.

The Crime-lite® 82L can stimulate bright visible fluorescence in a wide range of materials of forensic interest.

Combined with the foster+freeman DCS®-5 fingerprint imaging workstation or the Crime-lite® Cam/Toughpad CSI search kit, the examiner can create a system for visualising reflectance, absorption and scattered UV images.

UV Absorption/Reflectance

Gunshot residues and Illicit materials:
When viewed through a UV sensitive camera (fitted with UV pass filter), inorganic materials present in GSR and some illicit substances can be seen to 'glow' brightly against surfaces, which absorb UV light and appear dark.

Fresh/weathered paint:
The polymers in paint absorb UV light. However, over time oxidisation and surface contamination cause a painted surface to become more reflective to UV. The difference in absorption/ reflectance of a painted surface may allow an investigator to detect areas of fresh paint.

UV Scattering

Tool Marks & Evidence of Contact:
Scratches, scuffs and changes in surface texture caused by physical contact between objects can often be to UV light being scattered more readily from such effects.

UV Fluorescence

Body Fluids:
Body fluids including semen, sweat, saliva and urine, vital sources of DNA, can all be seen to fluoresce brightly under UV radiation.

Crime-lite® 82L UV	QCL/82L/UV
LEDs	16x high intensity LEDs
10% Wavelength	350-380nm (nominal)
Runtime	150 minutes Optional AC mains adaptor for continuous running
Weight	900g

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