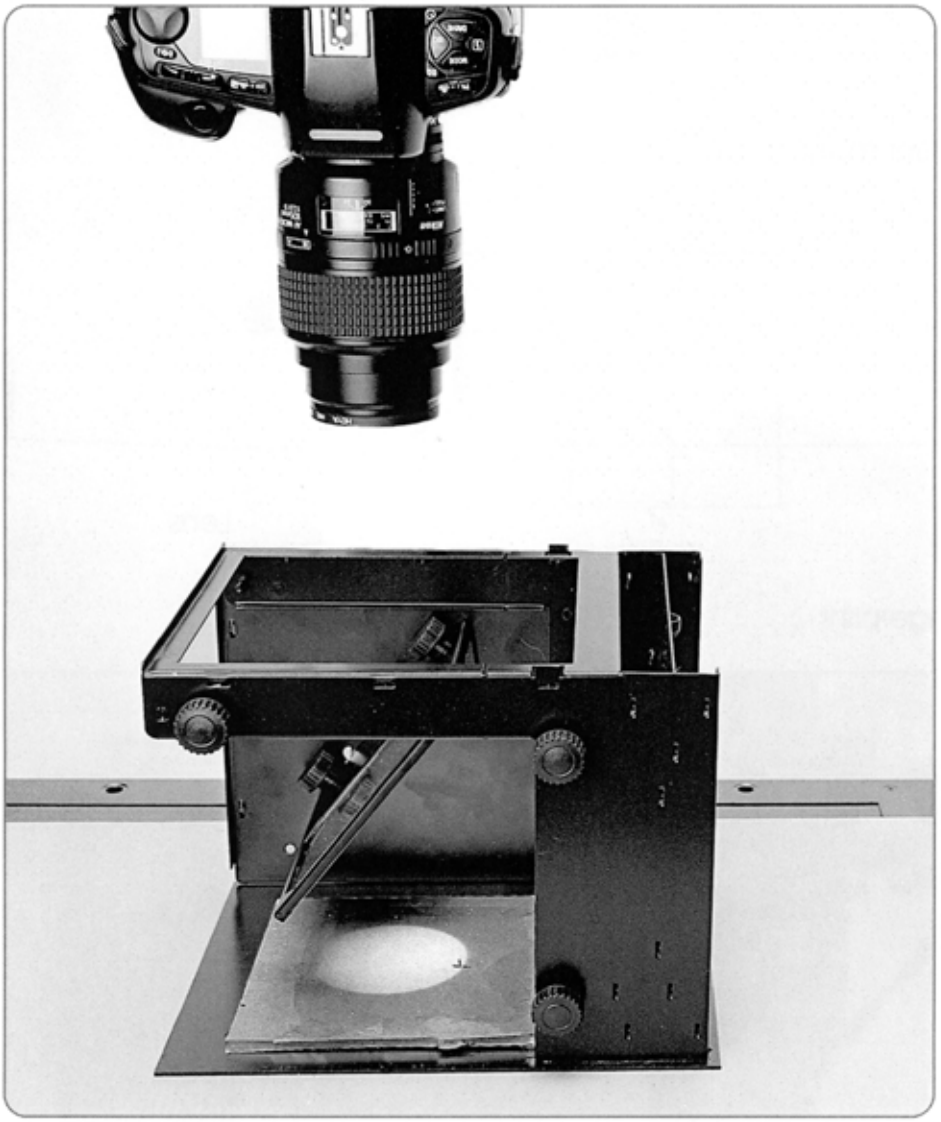
VERSA LIGHT BOX

for fingerprint photography



All fingerprint examiners understand the value of high quality fingerprint photography. The difference between one light method compared with another can result in that the AFIS finds or doesn´t find the right candidate.

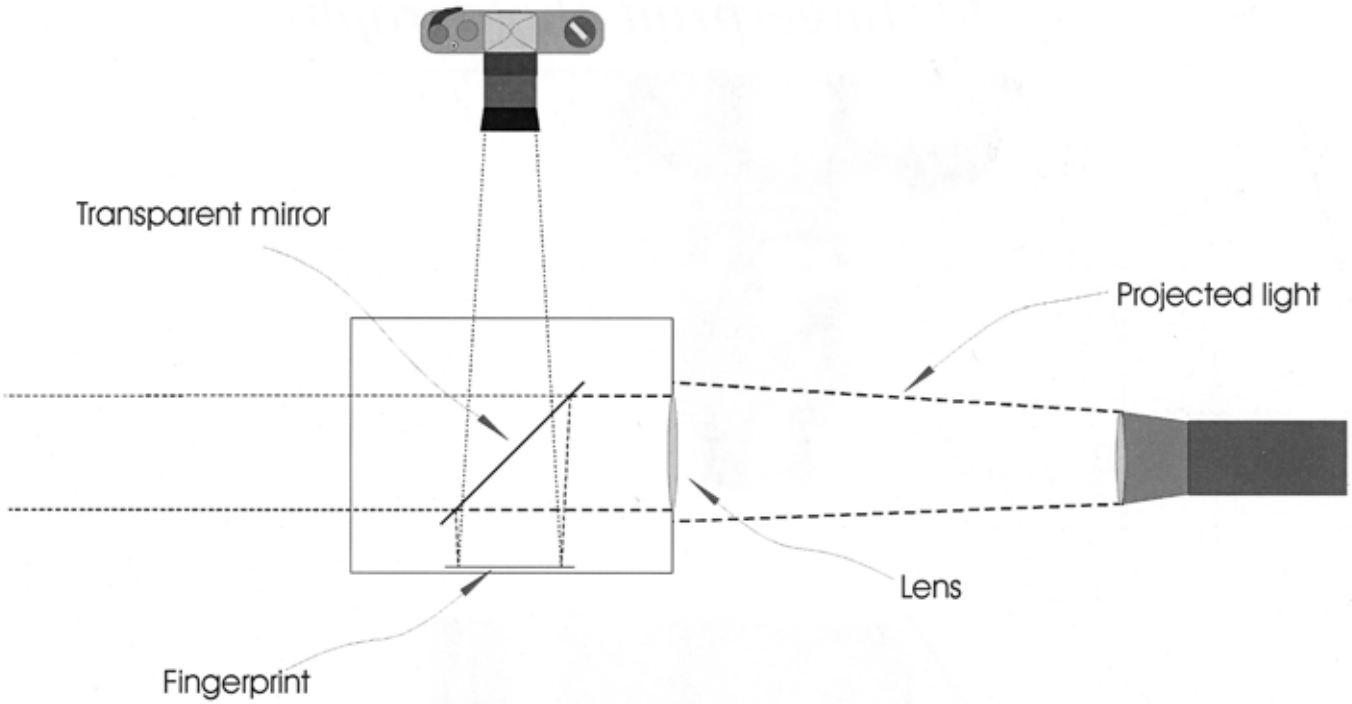
The construction of the Versa Light Box (VLB) allows quick changes between several different lighting techniques. Examples are white opal light, dark-field lighting, underlight and episcopical light using a transparent mirror.

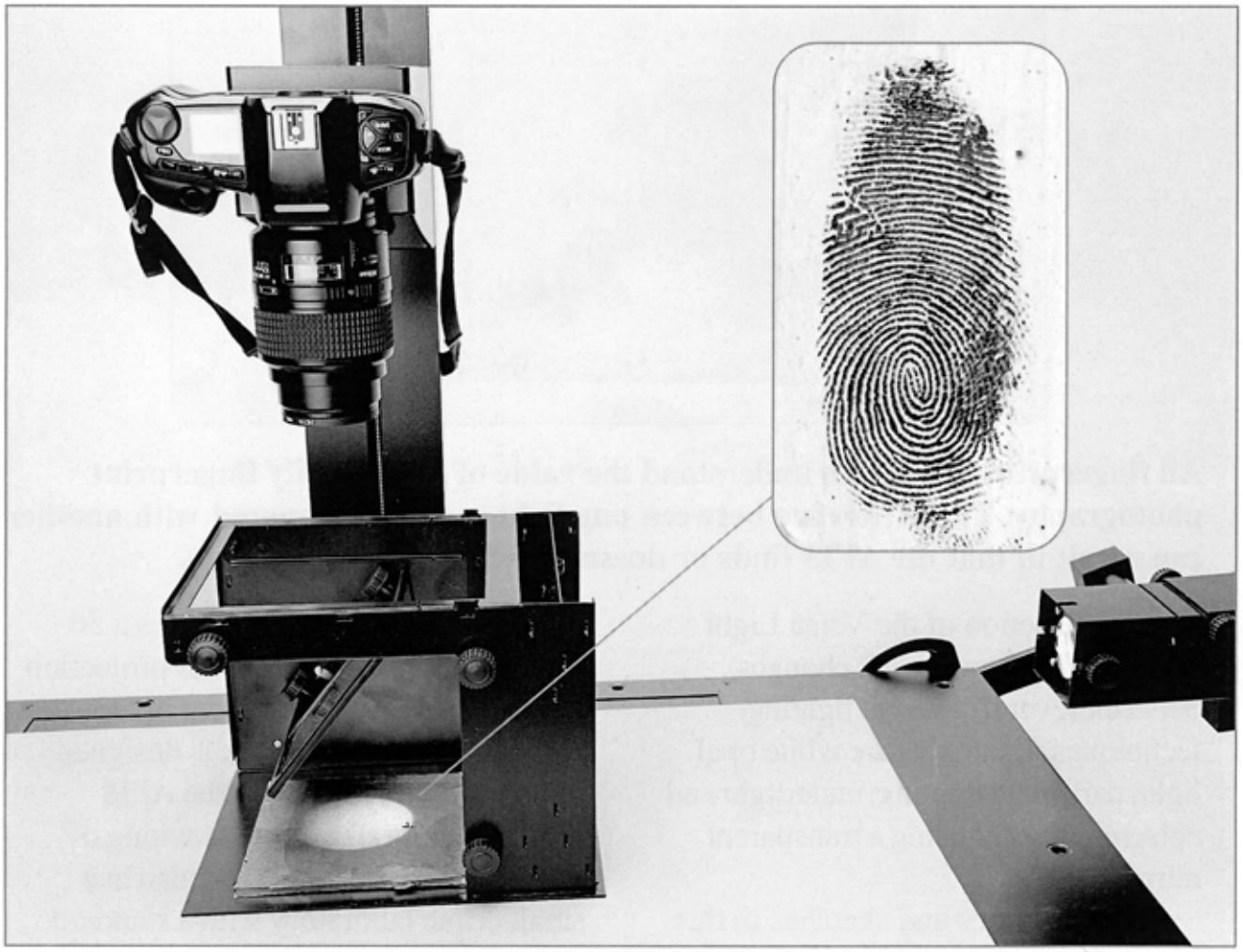
The pictures and sketches in this paper show a few examples of how to use the VLB.

The lightsource of the system is a 50 Watt spotlight with lenses for projection light and filter for fluorescent light.

The Versa Light Box is designed to be used directly under the AFIS digital camera (for direct scanning of the original fingerprint) and also in a small crime laboratory with a standard type camera.

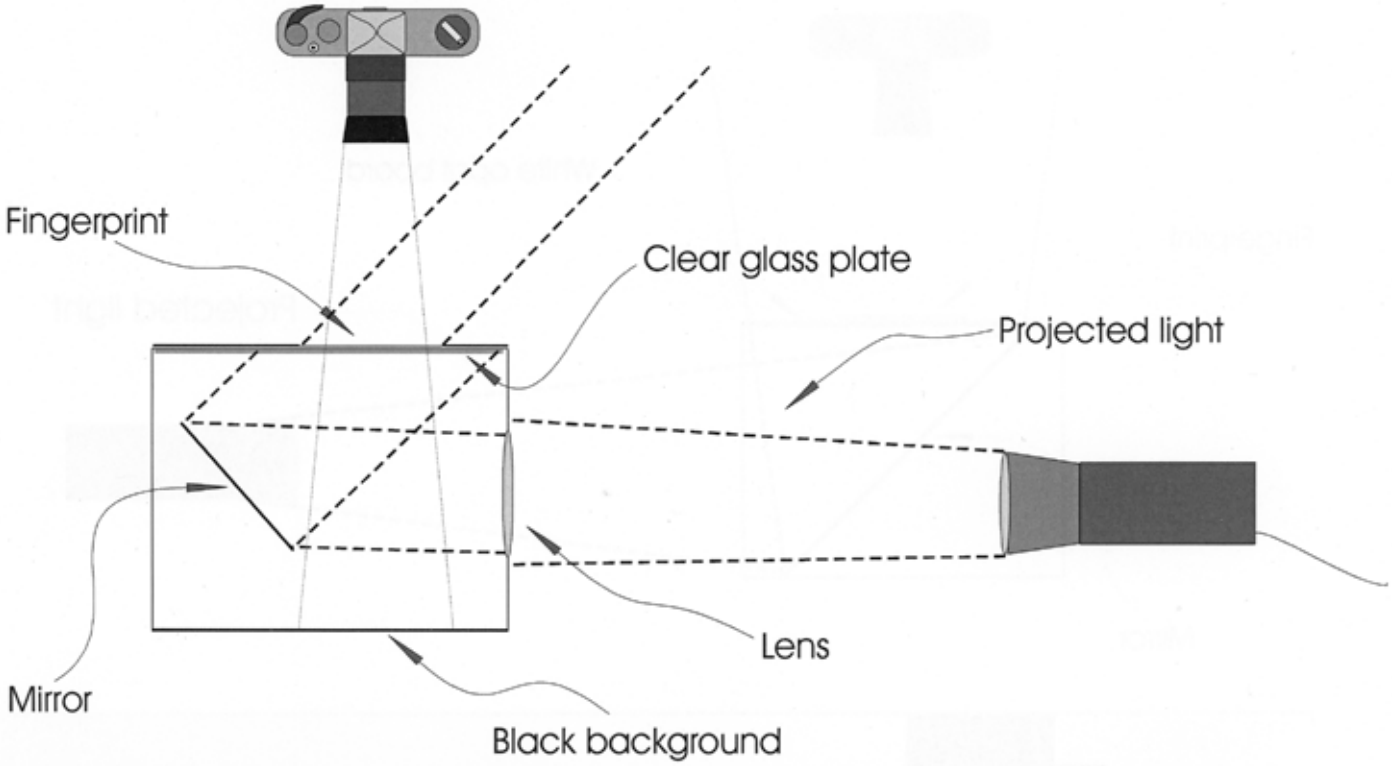
EPISCOPIC TECHNIQUE





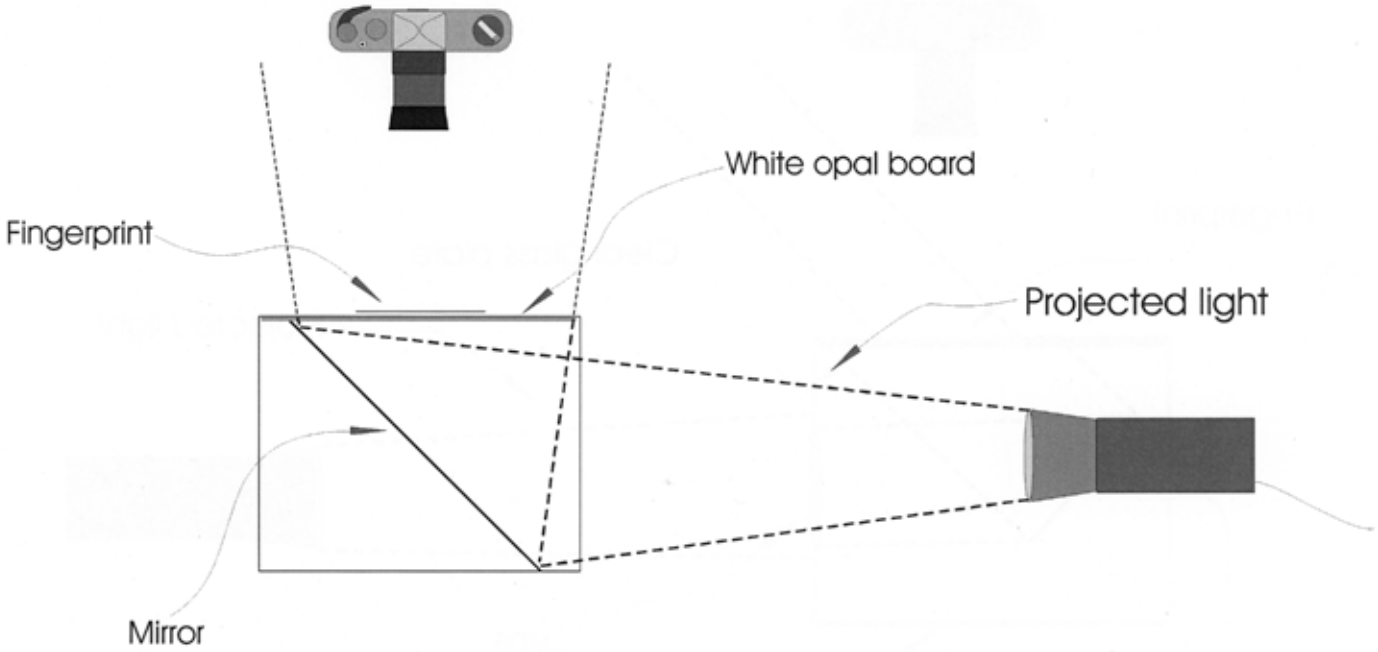
A fingerprint on a dark grey plastic bag develeoped with super glue, photographed with the episcopic technique using a transparent mirror.

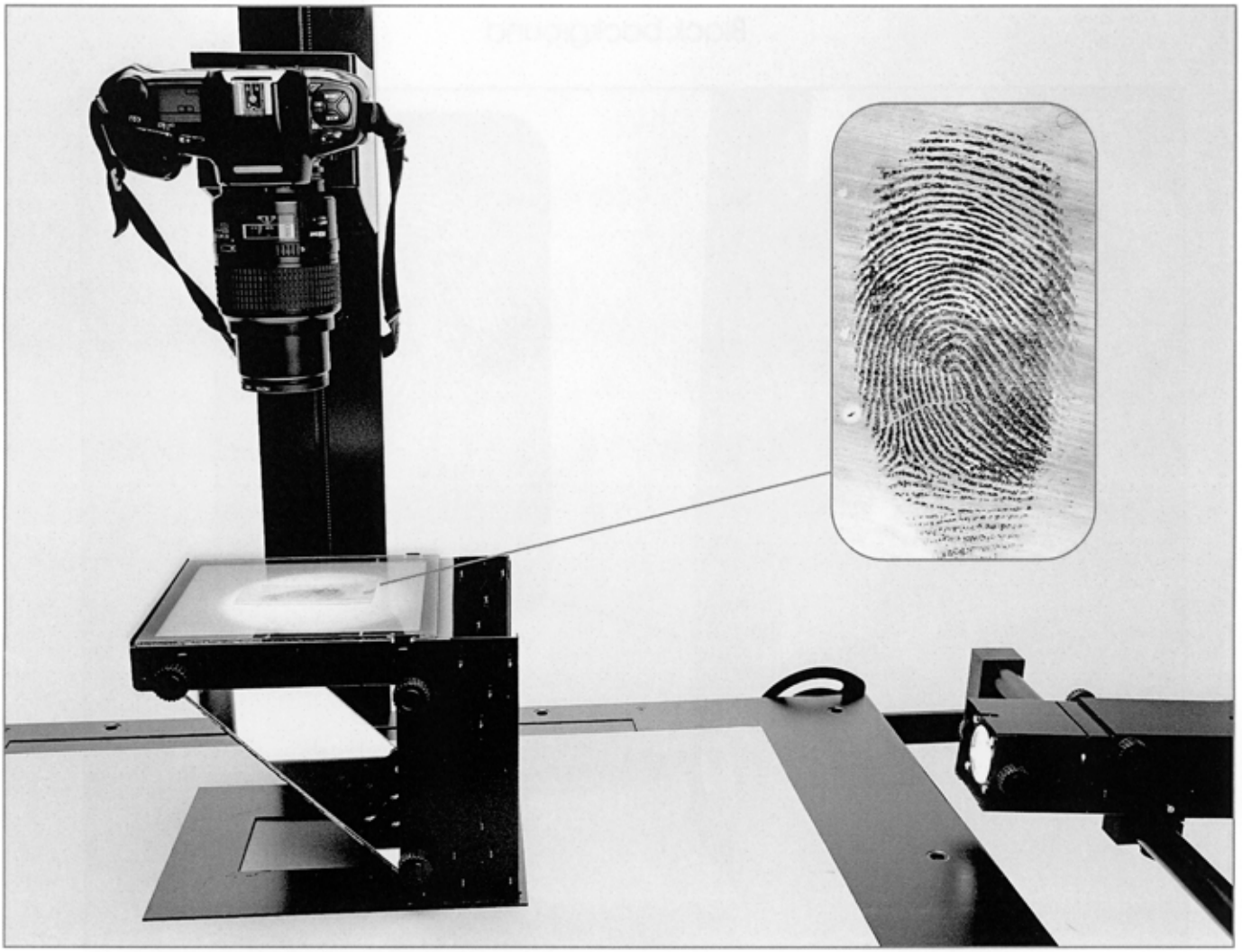
DARK-FIELD LIGHTING TECHNIQUE



Fingerprint on a piece of broken glass, photographed in dark-field lighting.

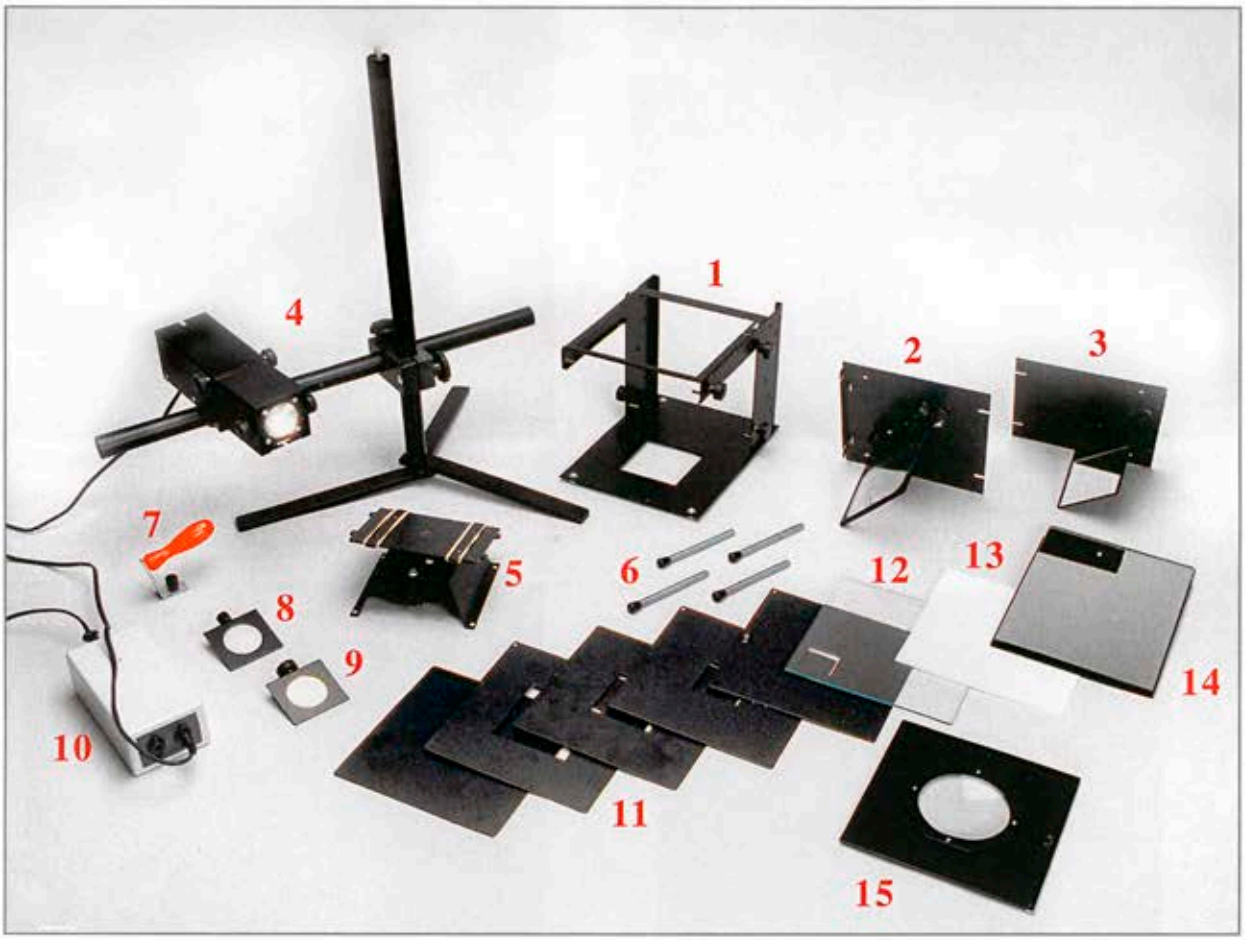
OPAL LIGHT TECHNIQUE





A brushed fingerprint lifted with transparent tape and photographed with white opal light.

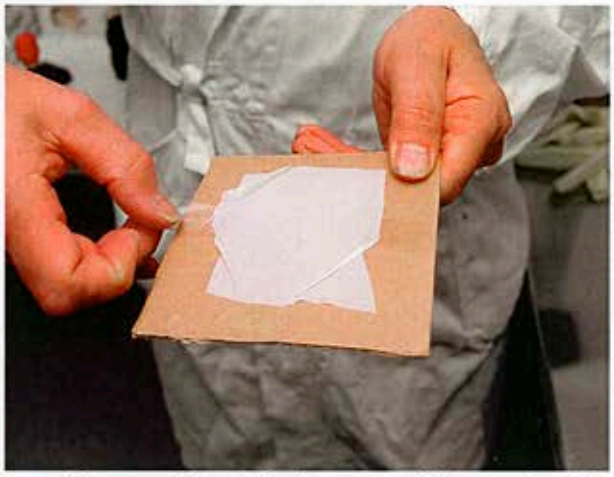
THE COMPLETE VERSA LIGHT BOX-SYSTEM



1. *Light Box*
2. *Transparent mirror for episcopic technique*
3. *Mirror for dark-field lighting technique*
4. *Lightsource with stand*
5. *Gyroboard*
6. *Extra legs for the box*
7. *Handle for lightsource*
8. *Defuser filter*
9. *Fluorescence filter*
10. *Power supply (Transformer)*
11. *Covering frames for dark-field lighting*
12. *Clear glass plate*
13. *Opal light plate*
14. *Mirror for opal light technique*
15. *Front lens*

CASE EXAMPLE

Fingerprints on a plastic bag, developed with CNA and Basic Yellow



In order to achieve the best possible result with the episcopic technique, the plastic material has to be stretched to get a flat surface.

The same fingerprint photographed in Fluorescent light (left) and with the episcopic technique (right).

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