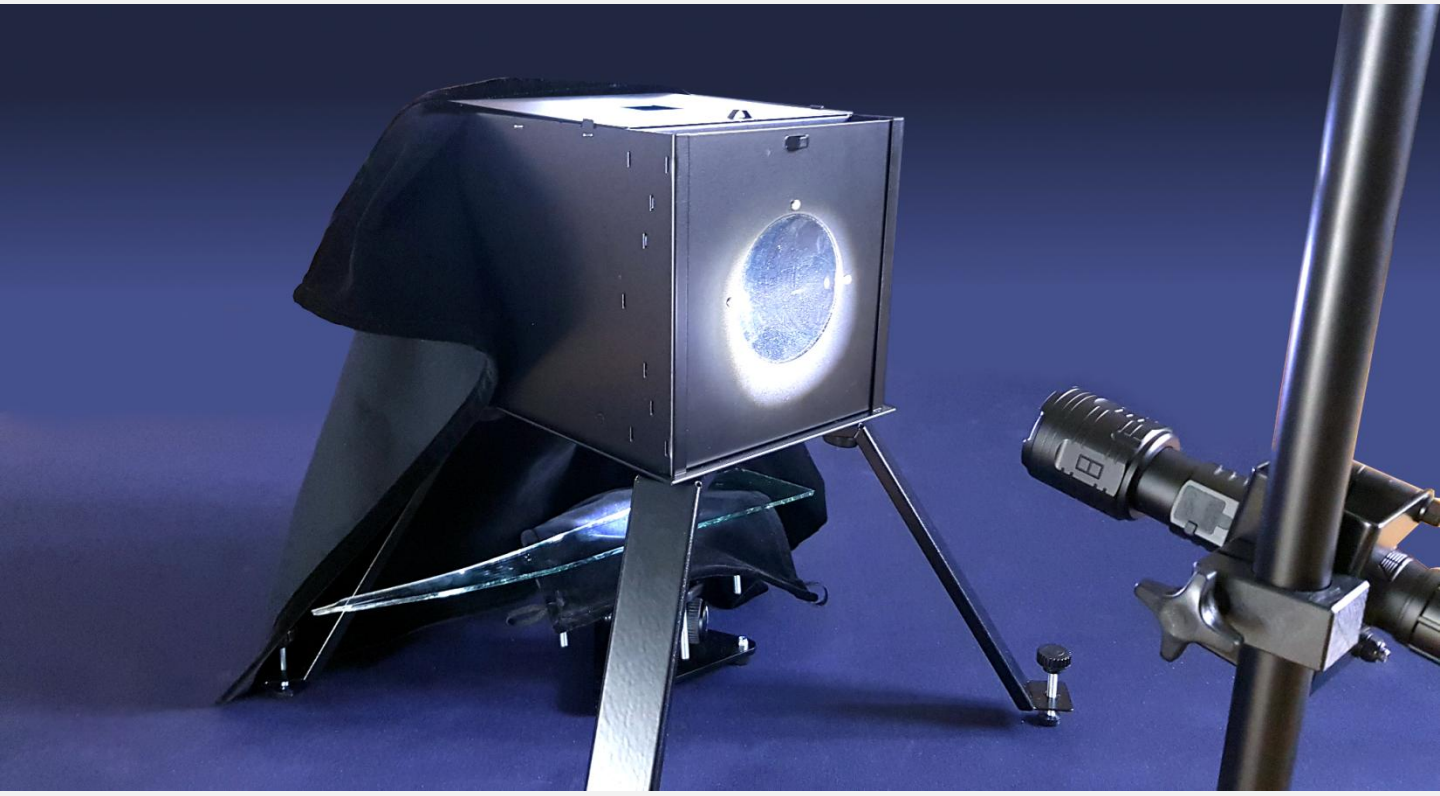
VERSA LIGHT BOX

For Fingerprint Photography

New design of Versa Light Box with functionality like previous model but now new function for photographing fingerprints of larger evidence objects that can now be photographed.



All fingerprint examiners understand the value of high quality fingerprint photography. The difference between one light method compared with another can result in the AFIS finding or not finding 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, under light 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 light source of the system is a flashlight with lenses for projection and a 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.

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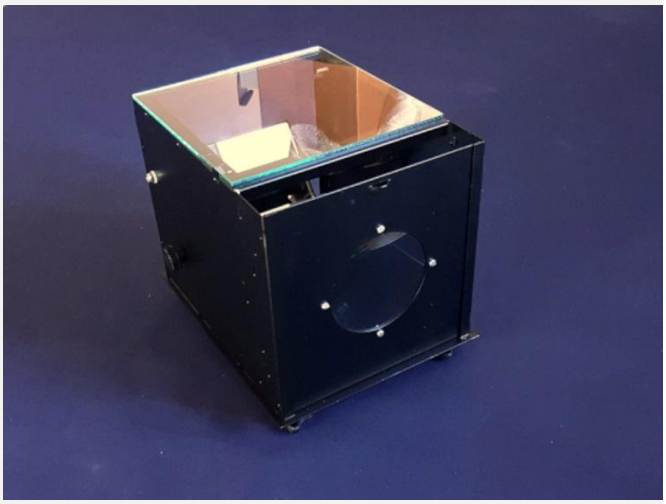
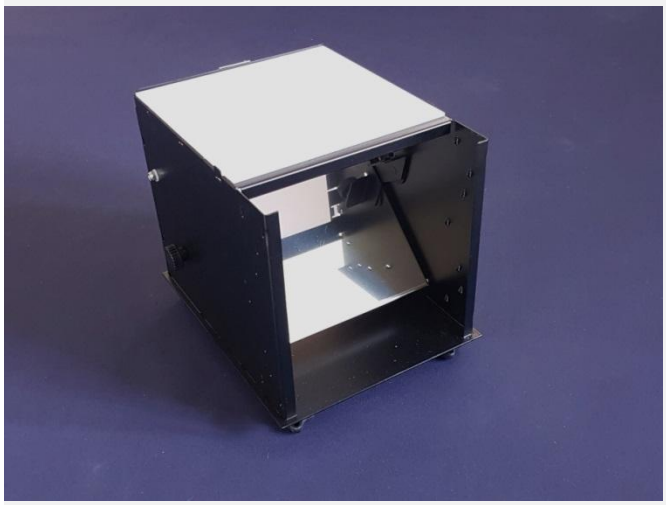
Lighting Technique Example

Lighting Box technology with legs, holders, lenses, mirrors and covering frames provide good results for fingerprint photography. These are the many configurations and options that can be made with the Versa Light Box.

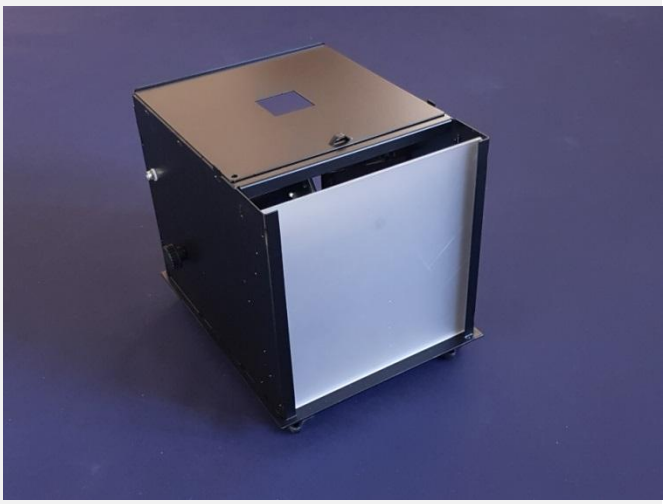
To clamping the evidence where the fingerprint is located. It is easy with the Evidence Platform.



Dark-Field Lighting Technique can be used for fingerprints on transparent material.



Opal Light Technique Brushed and lifted fingerprints with transparent tape.



Episcopic Technique with Mirrors, Plastic Board and Covering frames achieves good results for fingerprint photography.

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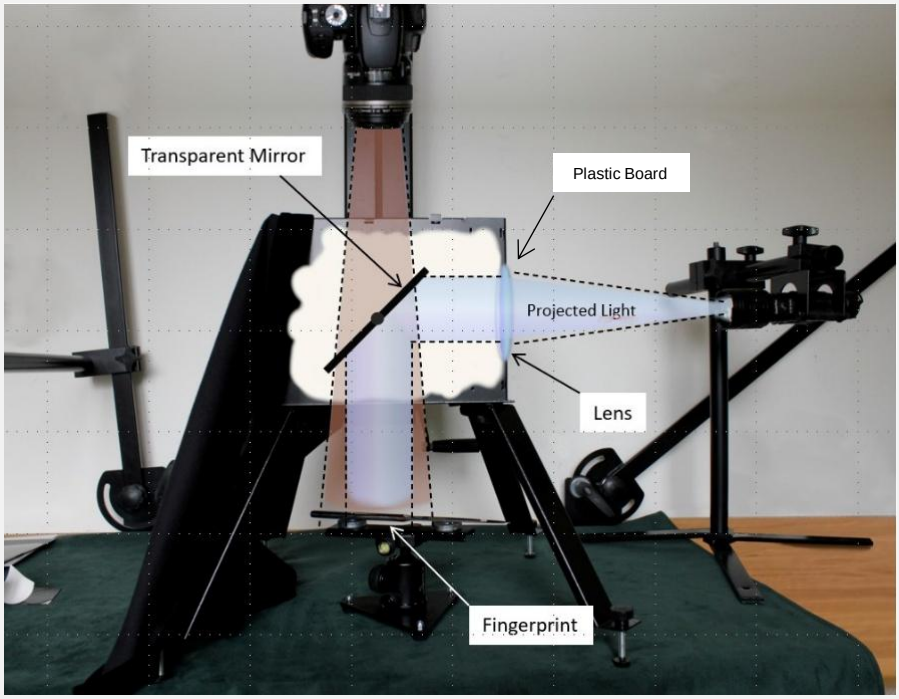
Lighting Technique Example

Here are some examples of what you can do with the Versa Light Box.

Episcopic Technique



The Episcopic Technique can be used to photograph fingerprints from small or larger evidence items that have developed fingerprints with superglue, Mikrosil, Wet Powder or no developed fingerprint.

Fingerprint in blood on a knife under the Lightbox. Undeveloped fingerprint

Fingerprint in blood on a glass placed under a lightbox. Undeveloped fingerprint

Fingerprint in blood on a glass developed, fingerprint by Mikrosil, Placed inside of the lightbox.

Fingerprint in blood on a glass. Placed inside the lightbox. Undeveloped fingerprint

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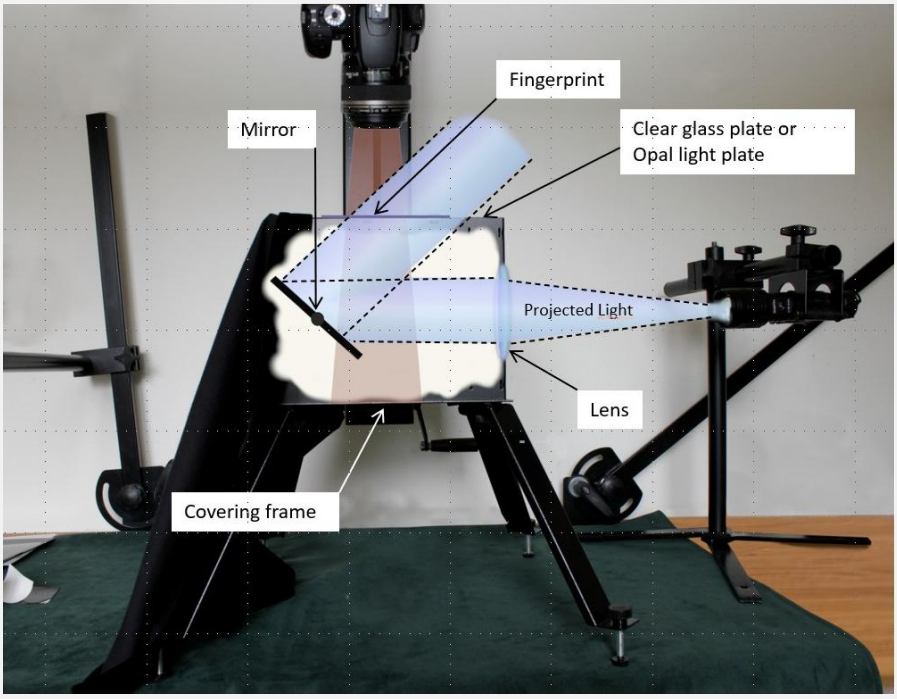
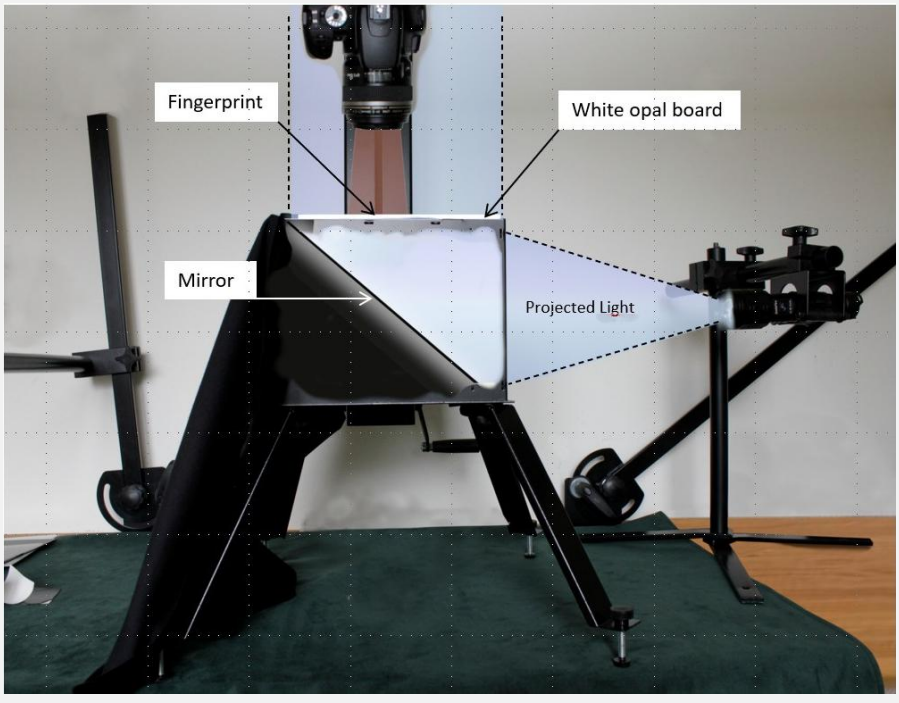
Lighting Technique Example

Dark-Field Lighting Technique / Episcopic Technique



Fingerprint in blood on a glass on top of the Light Box.
Undeveloped fingerprint.

Dark-Field Lighting Technique can be used for fingerprints on transparent material can be used to photograph fingerprints from small or larger evidence items that have developed fingerprints with superglue, brushed or no developed fingerprint.



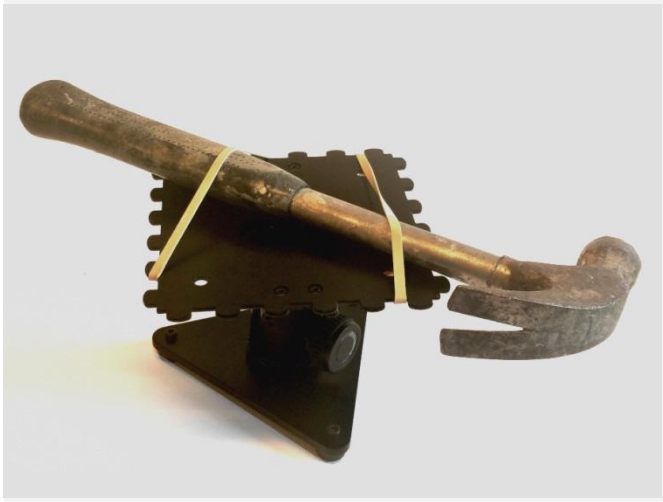
Fingerprint in blood on a glass on top of the Light Box. Brushed fingerprint.

The Opal Light Technique can be used for fingerprints on transparent material and can be used to photograph fingerprints from small or larger evidence items that have developed fingerprints with superglue, brushed or no developed fingerprints.

VERSA LIGHT BOX

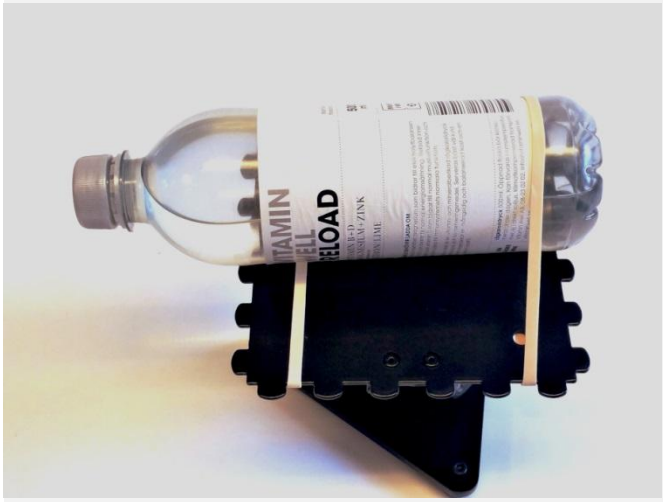
Evidence Platform

To clamping the evidence where the fingerprint is located. It is easy with the Evidence Platform and the many different options. Here are some options that we show here.



Even large and heavy objects can be fixed on the evidence platform with rubber bands.

A knife is mounted on a magnetic profile.



A bottle is mounted on the evidence platform with rubber bands.

A small piece of evidence can be fixed with a tweezer on the magnetic profile.

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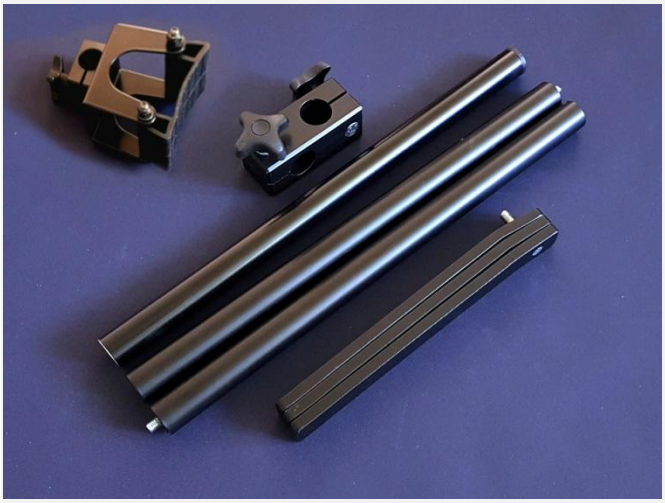
Stand and Flashlight



Light Stand Parts and Flexible flashlight holder.

Light Stand, Flexible flashlight. and
LED flashlight

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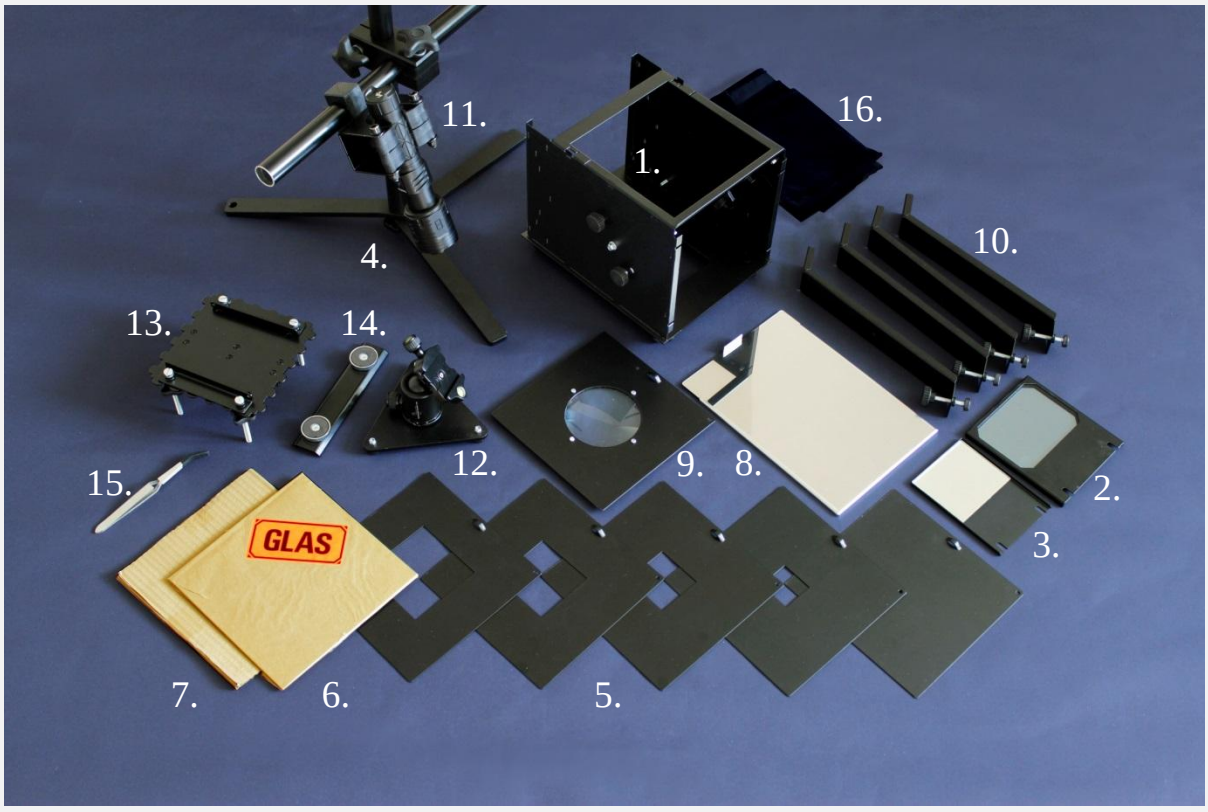
System Parts



1. Light Box
2. Transparent mirror for Episcopic technique
3. Mirror for dark-field lighting technique
4. Light stand
5. Covering frames for dark-field lighting
6. Clear Glass plate
7. Opal light plate and Defuse filter
8. Mirror for opal light technique
9. Front lens
10. Removable and adjustable legs
11. Flexible flashlight holder and LED light
12. Ground plate with ball head
13. Evidence platform
14. Magnetic profile
15. Tweezer with removable silicone tops
16. Black Velvet textile

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