Examine Art
Using Labino Ultra Violet Lights

Detect alternations and restore cultural treasures
using Labino Ultra Violet Lamps.

Art examination with UV

The use of UV light is a commonly used to identify the authenticity of works of art or to inspect damaged or repaired paintings. Longwave ultraviolet light (365 nm) helps to detect overpainting, repairs, and forged signatures that are normally invisible to a naked eye. The slightest alteration will stand out with extreme clarity under UV light. Not only paintings can be examined with UV, but also pieces of art made of marble, jade, and ivory.

Modern paint fluoresce under UV - older paints do not

Because of the different chemical properties, modern paint will fluoresce or glow under UV, while older paints will not. Therefore it can be determined whether a painted object is an antique or a newer reproduction. UV can also be used to identify whether a piece of art has been repaired and if so, how extensive was the repair.

Different indications appears in different ways under UV

A piece of art can be easily scanned with a hand-held UV lamp in a dark room. If there are dark blotches, they indicate over-painting and over-cleaning. Bluish-white spots indicate the presence of lining compound, dark bluish-violet indicates picture repair, and very small blue dots are dust. A chartreuse haze indicates old varnish, which shows that no recent restoration work has been done.

Different lamps and filters for different applications

The UV lamp, used in art conservation, should be a professional lamp with all visible light filtered out. Labino lights are perfect for this purpose. There is a wide choice hand-held lamps with special visible light filters. There are portable battery operated models, as well as mains operated. Special fixtures for permanent or studio use can be also provided.

SuperXenon for high intensity in day light

SuperXenon is a high intensity light, perfect for examinitation in broad day light. When you are not able to darken the area. For example when examining large wall paintings and fixed installations. The lamp offers a 50 watt bulb, together with a Midlight reflector you will get a high intensity and a very good coverage. SuperXenon is available with pistol handel and top handle, as well as battery or AC operated.

BigBeam Helios Midlight for Large Coverage

BigBeam Helios Midlight offers a wide beam for large coverage and hands free inspection. You can mount the BigBeam in several ways. Either with a mounting bracket or on a friction arm. It is also very useful for handheld inspection using a pistol handle. BigBeam is available as battery operated as well as AC.

MidBeam 2.0 for Hand Held Inspection

MidBeam 2.0 is a small handheld lamp with excellent coverage for its size. The lamp is available as battery or mains (AC) operation. If a hands free inspection is required the lamp can easily be mounted on a friction arm or on a flexible arm.

Model	UV Intensity at 38 cm (15'')	Beam coverage at 38 cm (>1200 µW/cm²)	Installation
SuperXenon Midlight	>17000 µW/cm²	≈ 230 mm (9.0'')	Handheld or fixed installation using a friction arm.
BigBeam Helios Midlight	>8000 µW/cm²	≈ 275 mm (10.8'')	Handheld or fixed installation using a mounting yoke or a friction arm.
MidBeam 2.0 Zeus	>5 000 µW/cm²	≈ 200 mm (7.9'')	Handheld or fixed installation using a flexible arm or a friction arm.

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