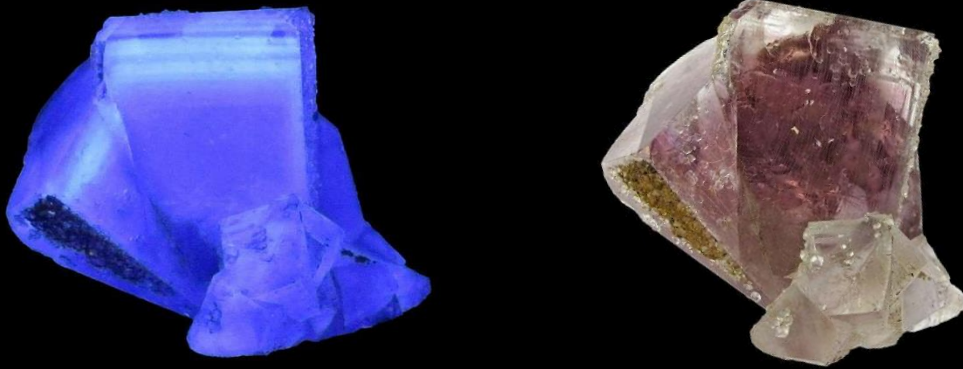


Explore Gems and Minerals Using Labino Ultra Violet Lights



Find the valuable gems and minerals by making the glow and fluoresce using Labino UV lights.



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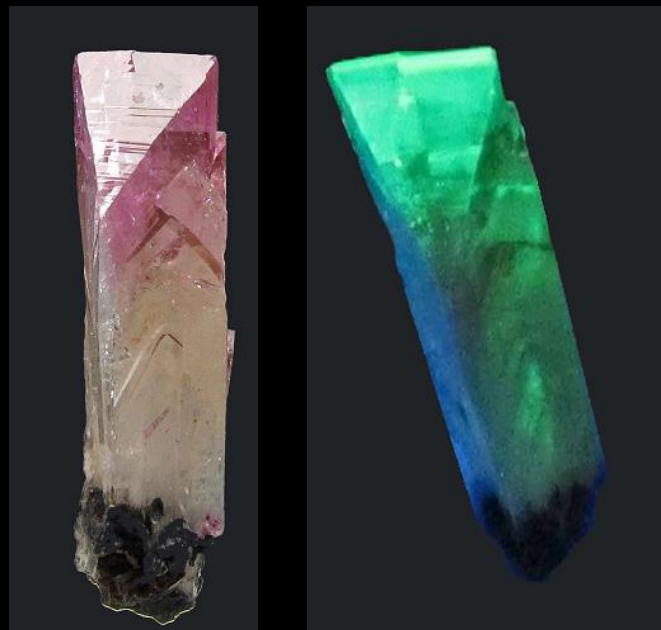
Find Gems and Minerals using UV light 365 nm

Minerals have the ability to reflect light and therefore to become visible to the human eye. Some minerals (but not all) have the ability to “fluoresce” meaning to temporarily absorb a small amount of light and release it at a different wavelength. This change in wavelength causes a temporary color change of the mineral, visible to the naked eye. This change in color becomes emphatically visible when illuminated in darkness by a UV light. Fluorescence is triggered when UV radiation is absorbed by impurities within the mineral, commonly known as “activators” such as tungsten, titanium, manganese etc. However, some impurities such as iron or copper have the opposite effect, restricting or eliminating fluorescence. Most minerals fluoresce a single color, although exceptions do exist. Many minerals fluoresce one color under Short-Wave UV light (100-280nm) and another color under Long-Wave UV light (315-400nm). The color emitted makes the identification of the mineral a simple and cost effective task.

Labino UV lights, large and small models, mains or battery models, are used by gemologists, jewelers and hobbyists alike to identify the correct minerals either at a work environment or out in the open.

Beautiful color change illuminating the minerals with UV

Not only are fine minerals exceptionally beautiful in their own right - many mineral collectors prize the secret color changes that occur when minerals are exposed to UV light. Only about 15% of minerals have the ability to fluoresce under UV light. Fluorite, calcite, and adamite are common minerals that fluoresces, but it's not uncommon for ruby, kunzite, diamond, opal, zektzerite, sodalite, selenite, topaz to react beautifully with UV light.



Xenon Light for High intensity in Day light

SuperXenon is a high intensity light, perfect for out dorr inspection in broad day light. The lamp offers a 50 watt bulb, together with a Midlight reflector you will get a very good coverage. SuperXenon is available with pistol handel and top handle, as well as battery or AC operated.



BigBeam for Large Coverage

BigBeam offers a wide beam for large coverage and hands free inspection. You can inspect several parts at the same time without interruption. You can mount the BigBeam in several ways. Either with a mounting bracket on the wall or ceiling, or a friction arm to mount from a table or floor.



MidBeam 2.0 for light weight 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.



UV Torch Lights and Head lights

Labino offers a wide range of torches and Headlights. The most popular for Leak Detection are UVG2 Spotlight and UVG4 Headlight Spotlight. The high intensity makes it possible to detect leakage in day light.



Model	UV Intensity at 38 cm (15'')	Beam coverage at 38 cm (>1200 μW/cm ²)	Installation
SuperXenon 50 watt MPXL 135 Series Spotlight	>60 000 μW/cm ² >45 000 μW/cm ²	≈ 140 mm (5.5'') ≈ 125 mm (4.9'')	Handheld or fixed installations using a mounting yoke or friction arm.
BigBeam Helios Midlight	>8000 μW/cm ²	≈ 275 mm (10.8'')	Handheld or fixed installations using a mounting yoke or friction arm.
MidBeam 2.0 Zeus	>5 000 μW/cm ²	≈ 200 mm (7.9'')	Handheld or fixed installation using a flexible arm or a friction arm.
Torch Light UVG2 & UVG4 Spotlight	>25 000 μW/cm ²	≈ 30 mm (1.2'')	Handheld. Tripod is available.



Labino Distributor:



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