

UV-COLORSCOPE NX 50

Longwave 366 nm

Fluorescence Test



Made in Germany

Information

UV-COLORSCOPE

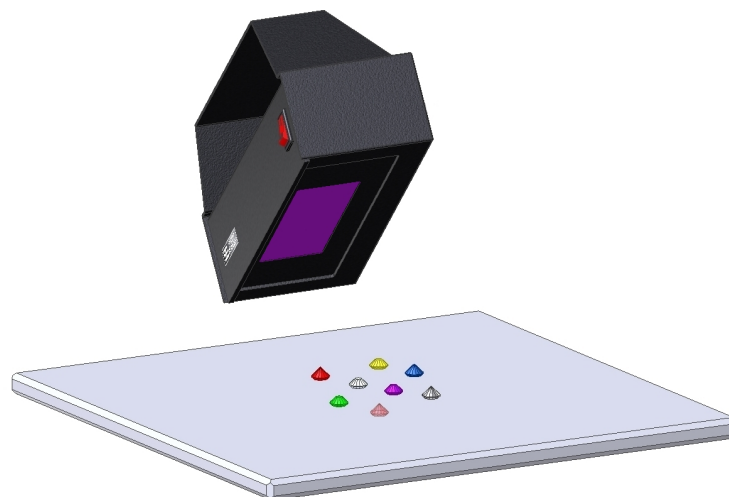
UV lamp combined with darkroom to test mainly longwave fluorescence of diamonds and other UV sensitive gems.

Transmitted UV Testing Mode



This fluorescence test with the UV-COLORSCOPE is more sensitive compared to the traditional overhead procedure. The **High Intensity** of the powerful UV lamp indicates even low grades of fluorescence, when the specimen is placed **on** top of the UV-filter. The observer's vision is not misguided by the **bluish** gleam of the visible blue part of UV light due to the incident viewing angle and the black appearing surface of the "Black Light" UV-filter. It's a real UV-DARKFIELD of highest contrast in fluorescence colours and sensation.

Incident UV UV Testing Mode



The window at the bottom side of the UV-COLORSCOPE is an additional feature of this sophisticated lighting unit. Simply held in the well known overhead UV testing position, the fluorescence colours are observed in the traditional way. Very comfortable, when e. g. testing diamonds directly in the parcel paper.

p.t.o.

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Lamp	1 x 9 Watt compact fluorescent lamp, 366 nm BLB Blacklight Blue. For transmitted and incident UV light.
UV-Exits Dimensions	UV transmitted light exit on top 104 x 36 mm (4. x 1.4") UV incident light exit at the bottom 104 x 36 mm (4 x 1.4")
Switch	At front side, flashes redish , when UV-lamp is switched on.
Incident UV Test Mode	The strength of UV fluorescence colours depends on distance between specimen and bottom exit. For comparison of test results same test distance is required.
UV Master for Diamonds	For grade of fluorescence evaluation of diamonds it is indispensable to use UV master stones at reproducible testing conditions.
UV-Lamp Lifetime	Average lifetime is approx. 5,000 hours and more, depending on operation modes.
Electronic	Flickerfree high-frequency operation with electronic ballast.
Case Design	Made of durable plastics to last unlimited.
Dimensions	(WxHxD) 213 x 98 x 78 mm (8 x 4 x 3")
Weight	500g (1 lb)
Power	240 - 220V / 50 Hz or 120 - 100V / 50 – 60Hz Power cord 1,200 mm (4'). Degree/class of protection: II Electromagnetic compatibility following the EU norms.