



ADMINISTRACION DE COLOR

Lamparas para observacion de tintas de Seguridad

PX-780-979

MiniPrintexcell UVBlack Light Lamp, LW UVL-4

- ADMISSION / ACCESS OR CROWD CONTROL
- ARTWORK INSPECTION
- CRIME SCENE INSPECTION
- ARSON DETECTION
- GEMSTONE and MINERAL INSPECTION
- CURRENCY VERIFICATION
- FORGERY ANALYSIS
- LOCATE PET URINE SOURCES

This Portatil lamp Printexcell, Model UVL-4 Mini UV lamp is a 4-watt model with 365 nm longwave. It is an excellent lamp for office or quick field inspection. Lamp is lightweight and small enough to fit into a pocket. A nylon strap is attached for easy handling. Operates on four AA batteries. Replacement 6" BLB type LW tube bulb is optionally available.



Applications

FORGERY ANALYSIS: Forgeries of bank notes, standard checks and travelers' checks are mainly printed on inferior bleached paper or photocopied. Forgeries will glow under UV light and bona fides will be completely dull. Many newer credit cards have an invisible imprint on the front. American Express uses "AMEX". If no imprint, the card is a forgery. Alterations of legal documents such as careful erasure or ink eradication and altering paper textures are detectable with UV light.

CURRENCY VERIFICATION: Authentic U.S. paper currency has embedded stripes which will fluoresce under ultraviolet light as follows: \$5 glows blue, \$10 glows orange, \$20 glows green, \$50 glows yellow, and \$100 glows red. The \$1.00 bill has no stripe.

GEMSTONE and MINERAL INSPECTION: UV Light can react with the chemicals of a mineral specimen and cause it to glow, called fluorescence. Color and intensity of the fluorescence can identify many materials. Some minerals and gemstones will fluoresce under shortwave UV light and not fluoresce under longwave.

ARSON DETECTION: In arson detection, accelerants' fluorescent glow is greater when exposed longer to heat. Their evidence is not always visible as they are absorbed by the fire but UV light can expose them. Volatile hydrocarbons such as gasoline, grease, paints and others fluoresce when exposed to UV, and can be seen as fragments of incendiary devices. Ambient light must be minimized for use of UV light at a fire scene.

ARTWORK INSPECTION: UV or black light reveals changes on the surface of objects as it causes specific fluorescence in materials depending on composition and age. UV fluorescence can show over painting or retouching and identify types of stains.

One can detect repair in paintings and rugs using UV light, as differences can be seen between the chemical composition of newer inks, paints, and dyes and that of the originals.

ADMISSION / ACCESS OR CROWD CONTROL: In high-patronage clubs, amusement parks and swimming pools, applying quick drying readmission inks can be read easily by UV light. For beverage control, a portable, small UV light can slip in a pocket.

