

Operating manual for derma Litecheck® UV

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derma Litecheck® UV is used according to the **Dermalux®** fluorescence method in one-to-one instructions and short training courses within the scope of hand hygiene and skin protection training programs for trade and industry.

General safety instructions

- Read operating manual carefully prior to the initial operation of this device.
- Keep this operating manual safe!
- This device is designed for use within the scope of training programs only.
- Always disconnect the device from mains in case it is not used, tubes are exchanged or failures occur. Turn the device off beforehand. Pull the plug, not the cable.
- Only switch device on and operate it when it is open.
- Never turn the device on without fluorescent tubes!
- Regularly check cable and device for damages. Do not put device into operation in case of any type of damage.
- Do not repair the device yourself, but refer to our repair service.
- Keep the device away from heat, direct sunlight, moisture, sharp edges and the like.

Special safety instructions for this device

- The device may only be operated with the provided mains cable.
- Only use lamp type LL8W/BLB.
- Warning: Never turn the device on without fluorescent tubes!
- After training courses and when unwatched, turn the device off and disconnect it from mains.
- Never clean the electric components with water.
- Only operate device in upright position and do not directly look into the UV light.
- Please note the recommendations for use and occupational safety guidelines when using UV lamps.
- Persons taking certain drugs, e.g. certain antibiotics, or with known hypersensitivities might experience the skin to be more sensitive to UV light. It is advisable to seek medical advice beforehand also for persons who, for example, had a cataract surgery. UV protective glasses might be necessary in individual cases.

Initial operation of the derma Litecheck® UV device

Place device in an upright position with the electronic to the top. Open right and left flap. The flaps are locked with push buttons. Do not overstretch the flaps! Fold the black bottom flap down.

Take out the accessories box by releasing the 2 hook-and-loop tapes under the box and open it outside the device.

Take out the mains cable. Plug the mains cable into the mains socket. Afterwards plug the cable into the socket on the left side of the device.

After actuating the toggle switch on the side of the device the control lamp flashes and indicates the device's stand-by mode.

Fluorescent test agents

Test agents can be ordered www.derma-litecheck.com or www.dermalux.com

Performing the fluorescence tests

Select an adequate training location with no direct light shining into the device that would interfere with the attractive, white fluorescence effect. In addition, preferably use a dark table surface. To reach the lamps' optimal effectiveness, turn the device on several minutes before training.

For examining the hands in the derma Litecheck® UV device, the test person positions herself/himself in front of the device and holds her/his hands under the UV light by keeping sufficient distance (approx. 15-20 cm). Afterwards the test person looks at her/his hands from the top. The hands are only moved slowly to be able to clearly see the effect. The trainer and further persons can also watch the test from the side. Do not drip Alcohol Tester on the equipment. Protect floor and table surfaces if necessary. Remove stains inside the device immediately. Handwashing after the tests is recommended.

After the training

Turn the device off and disconnect it from mains after the training course.

Still leave the derma Litecheck® UV device in the upright position.

Put the mains cable and other parts back into the accessories box. Close the box and attach it to the device's bottom using the hook-and-loop tapes. Fold the black bottom flap up and close the left side flap using the push button. Afterwards close the right side flap; it will be also locked by a push button. For storage, the device fits into a office cabinet.

Maintenance/cleaning

If soiled wipe device with a damp cloth; use alcohol for cleaning if necessary.

Turn off and unplug device beforehand. Do not use solvent-based cleaning agents.

Technical data

Power supply: 110 - 235 V AC, 50/60 Hz. The device conforms to the CE standards.

The device is equipped with 2 fluorescent tubes – type T5 8W/BLB – and may only be operated with this type. These black glass emitters have a wavelength ranging between 320 nm ÷ 400 nm (UVA), max. 365 nm. Effective irradiance UVA (0.5 m) ~ 1.2 W/m².

Warranty

6 months from date of invoice. This excludes the lamps.

Replacement tubes

Replacements lamps can be ordered by **order number 30040** online at www.dermalux-shop.com

To replace defective fluorescent lamps loosen the screws of the protective glass with a cross-head screwdriver and refasten them afterwards.

Repair service

Ingenieurbuero Ott, Auf dem Meer 4, D-56333 Winningen

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derma Litecheck® UV devices can only be accepted for repair at this address.