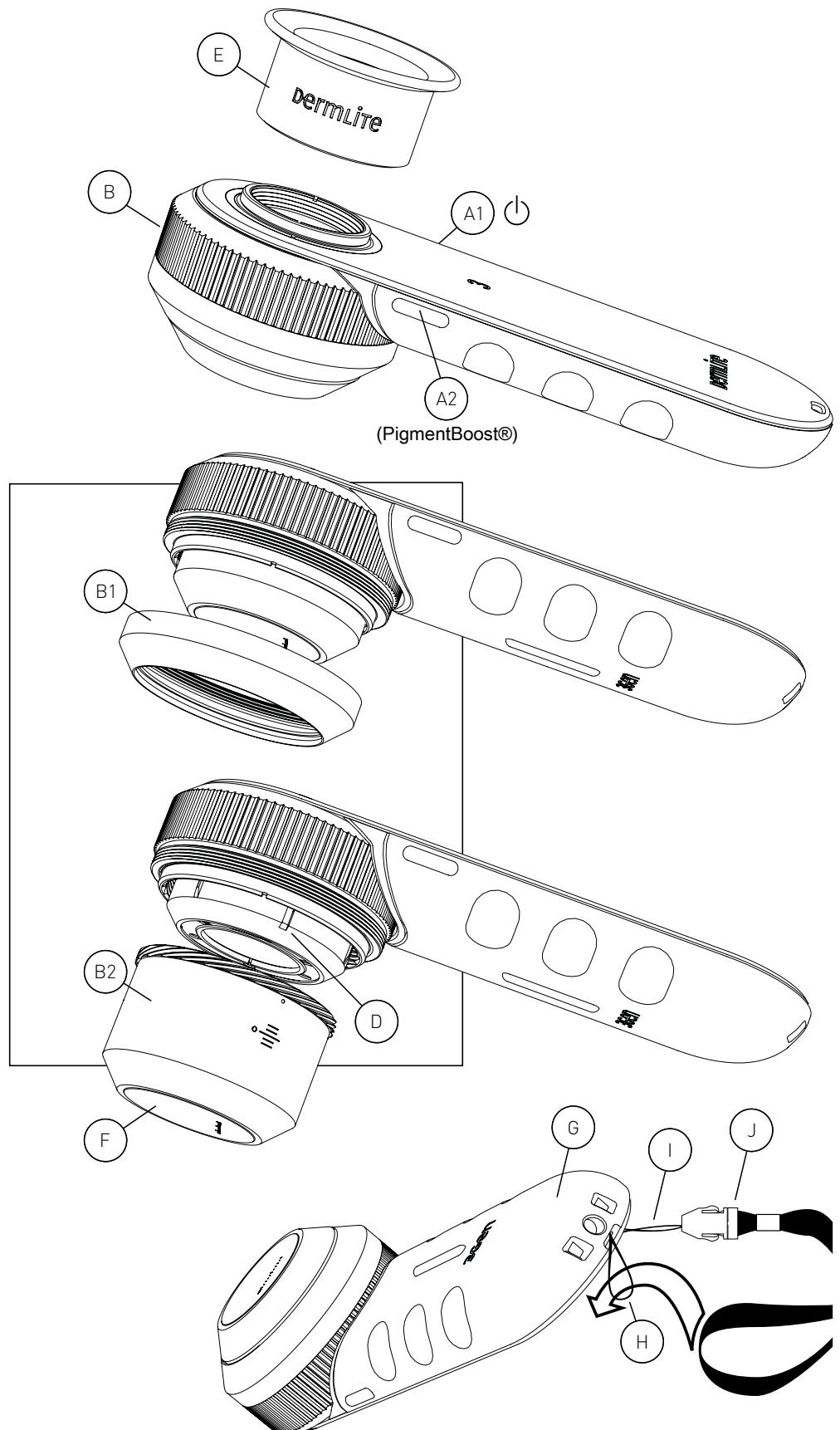


# dermLite® DL3N



# Instructions

## Intended Use

This device is intended for medical purposes to illuminate body surfaces. It is used for non-invasive visual examination of intact skin.

This battery-operated product is designed for external examination only within professional healthcare facilities by medical professionals.

Check the correct operation of the device before use! Do not use the device if there are visible signs of damage.

**CAUTION:** Do not look directly into the LED light. Patients must close their eyes during examinations.

In case of a serious incident with the use of this device, notify DermLite immediately and, if required by local regulations, your national health authority.

**CAUTION:** Do not use the device in fire or explosive risk area (e.g. oxygen-rich environment).

**WARNING:** This product can expose you to chemicals including methylene chloride and hexavalent chromium, which are known to the State of California to cause cancer or reproductive toxicity. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## Electromagnetic Compatibility

This device complies with the EMC Emissions and Immunity level requirements of the standard IEC 60601-1-2:2014. The emission characteristics of this equipment make it suitable for use in professional healthcare environment as well as residential environment (CISPR 11 Class B).

This equipment offers adequate protection to radio communication service. In the rare event of interference to the radio communication service, the user might need to take mitigation measures, such as relocating or re-orienting equipment.

**WARNING:** Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

**WARNING:** Use of accessories other than those provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation. **WARNING:** Portable RF transmitters should be used no closer than 30 cm (12 inches) to any part of the device. Otherwise, degradation of the performance of this equipment could result.

**IMPORTANT:** Before initial use, please charge the internal lithium ion battery. See "Battery and Charging" for details.

DermLite DL3N is a smartphone-compatible

ible pocket dermatoscope designed to view skin lesions using cross-polarized or non-polarized light and high magnification and clarity.

A high-quality 10x lens with superb color correction and reduced image distortion produces an image rich in surface detail.

Hold your DermLite DL3N so that the LEDs are aimed in the direction of the lesion to be examined. Place the device approximately 25 mm (1") from the skin. Push and hold the power button (A1) for approximately 1 second to activate cross-polarized mode. A quick tap of the button toggles between polarized and non-polarized modes. The additional PigmentBoost® illumination may be activated via the left button (A2).

Look through the lens with your eye placed about 25-100 mm (1-4") above the lens. Move the device closer or further away from the skin to focus. For dermoscopy with skin contact, extend the spacer by rotating the Focus Dial (B). To turn off your DermLite, push & hold the power button for about 1 second.

## Removing the Spacer

Unscrew the Retaining Ring (B1) and rotate the Focus Dial (B) until the Spacer (B2) drops.

To re-attach the Spacer, slip its three pins through the three notches (D) and gently rotate the Focus Dial until the Spacer is being pulled back in. Reattach the Retaining Ring.

## Eyepiece

To reduce internal reflections and improve the contrast of the image, attach the optional eyepiece onto the 28mm thread (E).

## Photography

DermLite adapters for mobile devices and cameras (sold separately) are designed to attach to the 28 mm thread (E). To accept DermLite magnetic adapters, attach the included steel ring to the 28 mm thread. Prior to taking images, wipe the Faceplate (F) clean and extend the Spacer to the "0" position.

## Battery and Charging

**CAUTION:** This device uses a special 3.7V 1250 mAh lithium ion battery, which can only be purchased from DermLite or from an authorized DermLite dealer. Do not under any circumstances use another battery other than the one designed for this unit.

Prior to using the DermLite, insert the 110V-220V power plug into an electrical outlet and the other end into the back of the charging base. Set the base on a level surface. Place the DermLite onto the base, and the "3" illuminates red to indicate charging. When fully charged, the "3"

turns green and the device will allow up to 2 hours of continuous operation. When less than 25% battery life remains, the "3" turns orange.

The battery's capacity diminishes after years of use. To replace the battery, slide the rubber handle (G) back and completely off the device. Disconnect the small white battery plug and remove the battery. Insert a new battery and reconnect the battery plug. Slide the rubber handle securely onto the device.

## Troubleshooting

Please check [www.dermlite.com](http://www.dermlite.com) for the most current troubleshooting information. If your device requires servicing, visit [www.dermlite.com/service](http://www.dermlite.com/service) or contact your local DermLite dealer.

## Care and Maintenance

**CAUTION:** No modification of this equipment is allowed.

Your device is designed for trouble-free operation. Repairs shall be made only by qualified service personnel.

## Cleaning

The exterior of your device, except the optical parts, may be wiped clean with isopropyl alcohol (70% vol.) prior to use on a patient. The lens should be treated as high-quality photographic equipment and should be cleaned with standard lens cleaning equipment and protected from harmful chemicals. Do not use abrasive material on any part of the equipment or immerse the device in liquid. Do not autoclave.

**Warranty:** 5 years for parts and labor. The battery is warranted for 1 year.

## Disposal

This device contains electronics and a lithium-ion battery that must be separated for disposal and may not be disposed of with general household waste. Please observe local disposal regulations.

## This set includes:

DermLite-Dermatoscope (28 LEDs, 25mm 10x lens, cross-polarized and non-polarized illumination, PigmentBoost, retractable faceplate spacer with 10mm reticule), charging base, leather sleeve, 28 mm eyepiece, lanyard

## Technical Description

Visit [www.dermlite.com/technical](http://www.dermlite.com/technical) or contact your local DermLite dealer.