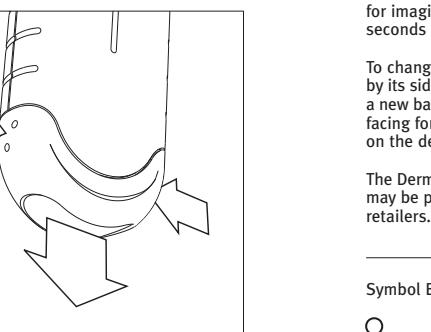
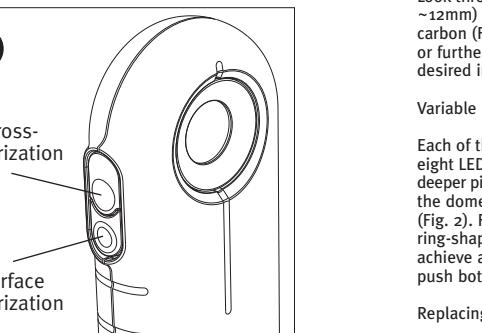
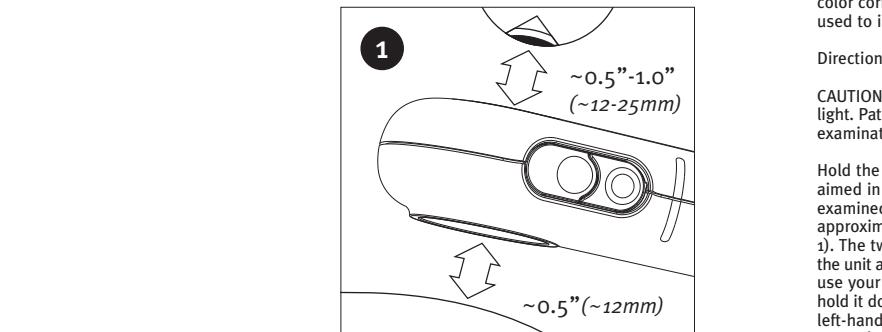


3Gen

dermlite®
carbon

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3Gen Patents Include:
7,006,223 (Dermoscopy Epiluminescence Device Employing Cross and Parallel Polarization)
7,167,243 (Dermoscopy Epiluminescence Device Employing Cross and Parallel Polarization)

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Instructions

DermLite carbon™ Pocket Epiluminescence Device

CAUTION: Prior to using the DermLite carbon, read these instructions and keep them in a safe place for future reference.

CAUTION: United States Federal Law restricts this device to sale by or on the order of a physician.

CAUTION: The DermLite carbon is designed for external examination only.

The DermLite carbon is a pocket epiluminescence microscopy (PELM) device designed to view skin lesions with high magnification and clarity. A 10x Hastings Triplet lens combined with a unique button-activated variable polarization system allowing independent activation of two sets of eight LEDs provides for ideal skin microscopy. While one set of eight LEDs produces glare-free, cross-polarized light by cancelling the reflected light from the skin, a second set provides a polarized rendition of skin rich in surface detail. A high quality, three-element lens with superb color correction and reduced image distortion is used to image the skin.

Directions for Use (Fig. 1-3)

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

Hold the DermLite carbon so that the LEDs are aimed in the direction of the lesion to be examined. Place the DermLite carbon approximately 1/2" (~12mm) from the skin (Fig. 1). The two power buttons (Fig. 2) at the side of the unit activate the LEDs. If you are right-handed, use your thumb to activate the button(s) and hold it down as long as you need light. If you are left-handed, use your forefinger to activate the power button(s).

Look through the lens with your eye placed 1/2" (~12mm) to 1" (~25mm) above the DermLite carbon (Fig. 1). Move the DermLite carbon closer or further away from the lesion to obtain the desired image focus.

Variable Polarization (2)

Each of the two power buttons activates a set of eight LEDs with distinct polarization. To examine deeper pigmentation with cross-polarization, push the dome-shaped "Cross-Polarization" button (Fig. 2). For skin surface visualization, use the ring-shaped "Surface Polarization" button. To achieve a more "natural" daylight illumination, push both buttons at the same time.

Replacing the Battery (3)

The long-life 6V Lithium battery provides up to 8 hours of continuous operation, or enough power for imaging approximately 1200 lesions at 30 seconds per examination.

To change the battery (Fig. 3), squeeze the cap by its sides and remove it and the battery. Insert a new battery of the same type with the contacts facing forward. Replace the battery cap securely on the device.

The DermLite uses a 2CR5 Lithium Battery, which may be purchased from camera stores and other retailers. You may also purchase batteries from

3 years for parts and labor.

Symbol Explanation

Do not dispose as unsorted municipal waste

Attention, consult accompanying document

EC Representative (EU Only)

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Vejledninger

DermLite carbon Dermatoskop-apparat i Lommeudgave

FORSIGTIG: Før DermLite carbon tages i brug skal man læse disse vejledninger, og derefter gemme dem på et sikker sted for fremtidig reference.

FORSIGTIG: Federal Law (USA) begrænser salg af enheden til salg af, eller per anmodning fra, en læge.

FORSIGTIG: DermLite carbon er kun designet til ekstern undersøgelse.

3Gen at low prices.

Troubleshooting

Please check our website (www.DermLite.com) for the most current troubleshooting information.

If you need to return the DermLite to 3Gen for servicing, please call 3Gen prior to returning the device.

No Light
Replace the battery with a new, unused battery and check again. If the condition persists, send the unit to 3Gen for evaluation and/or repair.

Weak Lighting
Replace the battery with a new battery.

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

Light Flickers
Remove the battery and check its metal contacts for dirt or dust. Wipe off any dust and reinsert the battery. If there are signs of corrosion, discard the battery and replace it with a new battery. Should you still encounter flickering, return the DermLite to 3Gen for evaluation and/or repair.

LED Fails
The LEDs used in the DermLite are designed to last over 100,000 hours. If any of the eight LEDs fail, return the DermLite to 3Gen for repair.

Care and Maintenance
The DermLite is designed for trouble-free operation. There are no adjustments to be made nor is any special servicing required. Never attempt to open the device for any reason.

Variable Polarization (2)

Each of the two power buttons activates a set of eight LEDs with distinct polarization. To examine deeper pigmentation with cross-polarization, push the dome-shaped "Cross-Polarization" button (Fig. 2). For skin surface visualization, use the ring-shaped "Surface Polarization" button. To achieve a more "natural" daylight illumination, push both buttons at the same time.

Cleaning and Sterilization

The DermLite's exterior may be cleaned or disinfected by wiping it with isopropyl alcohol (70% vol.). Do not use alcohol or disinfectants in the optical areas of the unit. Do not use abrasive material on any part of the equipment or immerse the device in liquid. Do not autoclave.

Cleaning the Lens and the Polarizers

The lens and the polarizing filters should be treated as high quality photographic equipment and should be cleaned with standard lens cleaning equipment and protected from harmful chemicals.

Replacing the Battery (3)

The long-life 6V Lithium battery provides up to 8 hours of continuous operation, or enough power for imaging approximately 1200 lesions at 30 seconds per examination.

To change the battery (Fig. 3), squeeze the cap by its sides and remove it and the battery. Insert a new battery of the same type with the contacts facing forward. Replace the battery cap securely on the device.

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ENGLISH

DANSK

DEUTSCH

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FRANÇAIS

Bedienungsanleitung

DermLite carbon Epilumineszenz-Taschendermatoskop

ACHTUNG: Vor Gebrauch des DermLite carbon lesen Sie diese Betriebsanleitung sorgfältig durch und bewahren Sie sie an einem sicheren Ort für späteren Gebrauch.

ACHTUNG: Die Gesetze der USA beschränken den Erwerb dieses Gerätes ausschließlich auf Ärzte sowie auf Anordnung eines Arztes.

ACHTUNG: Das DermLite carbon ist nur für äußerer Gebrauch bestimmt.

PRECAUCIÓN: antes de utilizar el DermLite carbon, lea estas instrucciones y guárdelas en lugar seguro para consultarlas posteriormente.

PRECAUCIÓN: la legislación federal de EEUU establece restricciones a la venta directa o indirecta de este dispositivo por parte de un médico.

PRECAUCIÓN: el DermLite carbon está diseñado para exploración externa únicamente.

oprimejéndola por los laterales y, a continuación, retire la cubierta y la pila. Inserte una pila nueva del mismo tipo con los contactos mirando hacia adelante. Vuelva a colocar la cubierta de la pila en el dispositivo.

Das DermLite carbon Epilumineszenz-Mikroskop (PELM) apparat, som er beregnet til at se hudskader med stor forstørrelse og klarhed. En 10x Hastings Triplet linse kombineret med et unikt knap-aktivert variabelt polariseringssystem, der tillader uafhængig aktivering af to par af otte lysdioler, såfremt der ikke lysdiolerne producerer blændingsfrit, krydspolarisert lys ved ved at udlede det reflekterende lys fra huden, sætter og andet sæt for polariser gengivelse af huden rig på overflade detaljer. En høj kvalitet, tre-element lens med superb farvekorrektion og redusert billeddistorsjon anvendes til at billede skinen.

Vær venligst at besøge vores hjemmeside 0 for at få information om de mest almindelige problemløsninger.

Hvis du har behov for at sende DermLite tilbage til 3Gen til service, ring venligst til 3Gen for at returnerer apparatet.

Ingen lys
Udskift batteriet med et nyt, ubrugt batteri og tjen igen. Hvis problemet fortsætter, send apparatet til 3Gen for vurdering og/eller reparation.

Svagt lys
Udskift batteriet med et nyt batteri.

Bugsansvingning (fig. 1-3)

ADVARSEL: Kig ikke direkte ind i de lysende dioder. Patienten skal lukke deres øje under ansigtundersøgelsen.

Hold den DermLite carbon så de lysdiolerne peger i retning af skaden, som skal undersøges. Placer DermLite carbon ca. 12mm fra huden (fig. 1). De to tændknapper (fig. 2) på siden af enheden aktiverer lysdiolerne. Hvis der er højre hånd, tænd tændknappen til at aktiver knappen(-erne) og hold det ned så længe, at du skal bruge lys. Hvis du er venstre hånd, tænd din finger til at aktivere lændknappen(-erne).

LED Fails
The LEDs used in the DermLite are designed to last over 100,000 hours. If any of the eight LEDs fail, return the DermLite to 3Gen for repair.

Care and Maintenance
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