



dermLite



dermLite

 THE GOLD STANDARD

 **Macquarie**
Medical Systems





Polarized. Non-Polarized?

Cross-polarization removes light reflected by the skin surface, enabling you to see lesion structures. Non-polarized light requires a glass contact plate and a fluid to see structures with sufficient clarity. Leading dermatologists recommend devices that allow for both cross-polarized and non-polarized dermoscopy, and studies are showing diagnostic advantages from having both modalities available.

Camera Compatibility

All of our latest dermatoscopes, in-

cluding our DL4 and DL200 models, may be attached to virtually any phone or tablet using our Magneti-Connect® adapters.

Lens Size

A DermLite comes in three lens sizes: 15, 25 or 30 mm. Larger lenses provide a greater field of view and distance from the patient.

Price

A DermLite can be a valuable diagnostic aid. Many uses per day can add up to thousands of diagnoses each year. You do the math.



WHICH

DERMATOSCOPE IS FOR ME?



DermLite	GL	Handyscope®	DL100	Carbon®	DL200 HR	DL200 Hybrid	DL3N	DL4W	DL4
Polarization	Cross	Cross & Non	Cross	Cross & Linear	Cross	Cross & Non	Cross & Non	Cross & Non	Cross & Non
IceCap®	-	Yes	-	-	-	-	-	Yes	Yes
PigmentBoost®	-	-	-	-	-	-	Yes	-	Yes
Optics	1.4x & 6x	ø15 mm 10x	ø15 mm 10x	ø15 mm 10x	ø25 mm 10x	ø25 mm 10x	ø25 mm 10x	ø30 mm 10x	ø30 mm 10x
Battery	Rechargeable	Rechargeable	Disposable	Disposable	Rechargeable	Rechargeable	Rechargeable	Rechargeable	Rechargeable
Camera-Compatible	Yes	Yes	-	-	Yes	Yes	Yes	Yes	Yes
Smartphone-Compatible	Yes	Yes	-	-	Yes	Yes	Yes	Yes	Yes
10 mm Reticle	-	Yes	-	-	Yes	Yes	Yes	Yes	Yes
Included Accessories	Spacer Protective Cap USB Cable	MCC adapter Soft Case IceCap™ Lanyard	-	Silicone Sleeve	USB Cable Silicone Sleeve IceCap Lanyard	USB Cable Silicone Sleeve IceCap Lanyard	Desktop Charger Leather Pouch Eyepiece Lanyard	USB Cable Leather Pouch Silicone Sleeve IceCap	USB Cable Leather Pouch Silicone Sleeve IceCap

Magnetically quick & simple
DermLite DL4 can be magnetically attached to virtually any phone or tablet via a choice of DermLite adapters

- + compact all-aluminum design
- + patented polarization system for unsurpassed visual clarity
- + polarized & non-polarized
- + IceCap® infection control system
- + large 30 mm 10x lens system
- + charge from any USB port
- + PigmentBoost® Plus (not in DL4W)
- + contact & non-contact dermoscopy
- + magnetically attach smartphones & tablets (requires adapter)
- + 4 charge indicator levels
- + 2 brightness levels
- + snap-on faceplate
- + protective leather pouch included

Small Area Contact Plate
Sold separately



The most refined vision in dermoscopy.

The 4th-generation DermLite dermatoscope has been designed from the ground up to be more refined in every detail. An amazingly smooth, ergonomically optimized all-aluminum design that is as easy to disinfect as it comfortably molds to your hand, the ultra-compact DermLite DL4 puts phenomenal versatility, the largest optics, and DermLite's signature color spectrum that has been optimized to highlight the lesion structures most critical for early detection – right at your fingertips. DL4's patented polarization system provides a vision of unsurpassed clarity – deep into the lesion. Its glass faceplate (with 10 mm reticle) simply snaps on and your smart devices (smartphones & tablets) attach magnetically, enabling you to go between taking clinical and dermoscopic photos quicker than ever before.

Hygiene and infection control have become increasingly important aspects of providing care, and DL4's IceCap® has you covered: Disposable snap-on caps attach over the glass faceplate and may greatly reduce the risk of cross-contamination. A newly developed DL4 retractable glass faceplate design allows you to go between non-contact & contact modalities smoother than ever and lets you precisely focus your image while in skin contact. DermLite DL4's high-powered LEDs and rechargeable battery produce light in an extremely energy-efficient way. And, in order to know when you run out of battery,

DL4 now has a more granular four-level charge indicator. If you need to recharge, you can do so from any USB port using the standard Micro USB to USB cable included with each DL4.

Versatile DL4 vs. Ultra-Bright DL4W
While model no. DL4W produces more light from its exclusively white LEDs, the top-of-the-line model no. DL4 provides enhanced imaging of deeper pigmentation with two levels of color spectrum control (PigmentBoost Plus).



iPad

Tablets

DSLR

Compact Camera

Android Phones

iPhone

- + Polarized & non-polarized
- + Contact & non-contact dermoscopy
- + Superb 10x lens, large focal range
- + Fine-tuned blue frequency range of white light for improved rendition of vascular structures
- + PigmentBoost™ for pigmented lesions
- + Fully enclosed focusing mechanism
- + Camera/iPhone/iPad/Galaxy compatible
- + Faceplate with 10 mm markings
- + Convenient desktop charger

MagnetiConnect®

The quickest way to use DermLite with your smartphone or iPad.

Sold separately.



DermLite DL3N and Nikon 1
Beautiful images in a compact package

dermLite DL3N

DermLite DL3N is the most capable third-generation DermLite dermatoscope. With fine-tuned illumination of amelanotic lesions plus PigmentBoost™ for optimized pigmented lesion imaging, it has been the tool of choice of the world's leading dermatologists.

Precision-engineered and crafted from recyclable aluminum, it features a 25 mm four-element lens, 28 high-powered LEDs and PigmentBoost™ illumination designed to see pigmented lesions better than ever before. For optimum ease of use, a tap on its power button instantly toggles between polarization modes, while a secondary button activates PigmentBoost.

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Proven excellence.

The convenient DL3N retractable faceplate spacer design and focusing mechanism enables you to quickly switch between non-contact & contact modalities and lets you precisely focus your image while in skin contact. The spacer comes with a glass faceplate with 10 mm markings and, due to its fully enclosed design, contaminants as well as undesirable ambient lighting no longer affect your image. To reduce reflections and greatly improve the contrast of the image, an optional eyepiece is included. With the DermLite DL3N, it's easy to create your very own digital dermoscopy system by attaching one of many compatible cameras or camera-equipped mobile devices. Simply attach your digital



camera, smartphone or iPad, extend the spacer, and start taking sharp, glare-free images quickly and easily.

This state-of-the-art device will let you know when it's time to recharge its long-lasting lithium battery: Once the charge level drops below 25%, the "3" on the top of device changes from green to orange. DermLite DL3N packs the unique advantages of both polarized and non-polarized dermoscopy with or without immersion fluids, improved vascular imaging, superior pigment visualization with PigmentBoost, great optics, solid durability, refined ergonomics and amazing versatility into a beautifully elegant design.

dermLite DL200



The DermLite DL200, in its beautifully ergonomic, easy-to-disinfect body, integrates DermLite's patented polarization system for the clearest views deep into the lesion, our curated color spectrum that highlights critical lesion structures, and super-fast changes between contact & non-contact dermatoscopy. Features such as a removable glass faceplate for peripheral-contact dermatoscopy, IceCap®

disposable caps to comply with strict hygiene standards, hours of run time on a single charge and integrated Magneti-Connect® smartphone connectivity, and your choice of either exclusively polarized light in the *HR*, or both polarized & non-polarized modalities in the *Hybrid* model, combine to make the lightweight DL200 the most elegant & capable compact dermatoscope at your fingertips.

DL200 benefits

- + Compact, highly ergonomic design
- + Go between contact & non-contact with the flick of your finger
- + Same proven optics as DL2
- + Extremely long battery life
- + Mobile device-compatible
- + Four-level charge indicator
- + Faceplate with 10 mm reticle

Better devices may offer

Better optics, more precise focusing, more lighting options



IceCap®
Disposable snap-on
infection control

DL200HR

DermLite DL200 HR is permanently cross-polarized, with two brightness levels, making it the brightest polarized DL200.

What's unique

- + Always cross-polarized
- + Two brightness levels
- + Brightest DL200

You might consider

- DermLite DL200 Hybrid
- DermLite DL3N
- DermLite DL4

Polarization Indicator
Know your modality
at all times



DL200Hybrid

DL200 Hybrid combines polarized & non-polarized lighting. Visualize pigmented and vascular structures with or without immersion fluids and see the benefits of polarized and non-polarized light.

What's unique

- + Toggle between polarized & non-polarized
- + Available in silver & gold

You might consider

- DermLite DL3N
- DermLite DL4



Removable Faceplate
Improved visualization of vascular
structures without contact

dermLite GL

1.4x Lens

Ideal for general use or exams of facial cavities.

6x Lens

Ideally suited for quick skin cancer screening

Protective Cap

Doubles as shirt clip

Spacer

Provides the ideal distance during dermoscopy

USB to USB-C

Charge from any USB port or charger

DermLite GL is a smartphone-compatible polarized light examination device with two magnifications designed for skin lesion screening as well as general examinations.

The sleek, unibody design of DermLite GL, about the size of a large marker, integrates a high-quality 6x lens ideally suited for dermoscopy and a 1.4x general-purpose lens. The unit provides ultra-bright polarized illumination around each lens, enabling enhanced, crystal-clear visualization of pigmented and vascular structures.

GL allows for the capture of incredibly detailed images using virtually any smartphone or iPad. To achieve this, GL is compatible with DermLite Magneticonnect® smartphone adapters which create a magnetic connection with a mobile device at either lens position. An included snap-on spacer may be used to stabilize photography if needed.

The versatile DermLite GL is equipped with a large-capacity lithium-ion battery

capable of providing about two hours of continuous operation, noting that the unit shuts off automatically after 3 minutes to preserve battery life. A 4-level charge indicator offers a granular view of battery and charge status at all times.

To protect and carry DermLite GL, a cap with a built-in clip comes with each unit. The cap may be attached on either end and is designed to protect the lenses from dust and pocket lint.

- + Dual magnification for dermoscopy and general examinations
- + Polarized illumination for enhanced visualization of both vascular and pigmented structures
- + Smartphone-compatible (requires adapter, sold separately)
- + Ultra-bright LEDs
- + Four-level charge indicator
- + Automatic shutoff to save battery life
- + Snap-on spacer to facilitate steady 6x photography
- + Protective cap with built-in shirt clip






dermLite
mcc

Just slide MCC over your Android or iOS device's main camera and tighten. When you're done, loosen it a little and pull off – quick & easy. MCC works with DL4, DL200, DL3N, DL1, Foto X, even DermLite handyscope, and its patented magnetic ar-

The pocket-size adapter for your phone or tablet.

ray holds your DermLite, yet won't interfere with your smartphone's electronics. Just like your DermLite, MCC fits in your pocket. Now it's always with you, ready when you are.



dermLite original series

Simply original.

By incorporating eight bright-white LEDs, a superb 10x Hastings Triplet lens and cross-polarization technology second to none, this is how the idea of pocket-size dermoscopy without immersion fluids started. A clear and deep view of pigmented and vascular lesions in a split-second, without the mess. While DL100 offers a single cross-polarized mode, Carbon has a second set of linearly polarized LEDs which gives you a contrast-rich, contoured rendition of the skin topography.

Silicone Sleeve
Provides impact protection and a better grip; sold separately



Original
DermLite
benefits

- + Simple to use
- + Disposable battery, easy to replace
- + Ergonomic shape
- + Economical

Better devices
may offer

Larger lens, camera/smartphone/tablet-compatibility, contact dermoscopy

dermLite DL100

What's unique

- + One-button simplicity
- + Always cross-polarized

Similar/better

- DermLite carbon
- DermLite DL200 HR
- DermLite DL3N
- DermLite DL4



dermLite carbon

What's unique

- + Deep view with cross-polarized light
- + See surface structures with linear polarization

Similar/better

- DermLite DL200 Hybrid
- DermLite DL3N
- DermLite DL4



The Ultimate in Mobile Dermoscopy.

DermLite handyscope® stands for the ultimate in mobile device dermatoscopy. A cooperation between 3Gen and FotoFinder, we are merging DermLite ease-of-use & versatility with FotoFinder's state-of-the-art analytics and services.

Compatible with virtually any smartphone or tablet right out of the box, this innovative solution allows for DermLite-quality polarized & non-polarized dermoscopy; even clinical shots can be illuminated by its on-board ultra-bright LED.

Attaching Handyscope to your smartphone's or tablet's protective case is easy. Simply clamp the MCC™ adapter over your camera and attach Handyscope; its integrated magnets achieve a secure hold. Or, stick one of three adhesive steel rings to the back of your device, as long as its back is not glass.

Of course, Handyscope is compatible with any existing DermLite Connection Kit or universal smartphone adapter you may already own.

Handyscope comes with a removable faceplate allowing both contact & non-contact dermoscopy, letting you capture vascular structures in amazing clarity.

The Handyscope Pro App

Optionally, download FotoFinder's free handyscope pro app for iOS or Android, control the scope wirelessly, and enjoy access to services including AI-powered



handyscope pro

Download the new app!



Contact & non-contact dermoscopy



Ready for use on just about any smartphone or tablet



- + Polarized & non-polarized
- + Contact & non-contact
- + Works on any phone or tablet
- + Control from *handyscope pro* app and enjoy access to AI and second opinion services
- + Recharges from any USB jack or charger
- + Includes soft case with lanyard

ered risk scoring* or second opinion from renowned experts – right at your fingertips.

To assist your infection control measures, DermLite Handyscope is compatible with IceCap™, disposable covers that snap over the faceplate spacer.

DermLite handyscope has been designed to last hours from a full charge, comes with a four-level battery indicator, and its built-in lithium-ion battery may be recharged from any USB port via the included USB-C to USB cable. Now that you can work for days, when will you start using DermLite handyscope?

Includes convenient wearable soft case



Macquarie
Medical Systems

dermLite DL1



DL1 packs the effective polarized illumination that makes the top-of-the-line DermLite devices so convenient & powerful into a digital dermoscopy solution designed for your smartphone or tablet.

Our designers squeezed a superb, full-size 15 mm lens that's optimized

capture images of excellent clarity and sharpness in both polarized and non-polarized modes. One polarized and one non-polarized spacer are included with each unit.

Conveniently, its battery can be recharged using any USB port or charger and, due to its unique lighting angle, it works just as well for general exams as it does for dermoscopy. That's versatility with vision.

Incredibly versatile digital dermoscopy.

for mobile devices, high-powered LED lighting and a high-performance rechargeable battery into an all-aluminum design smaller than your ring finger.

Connect it to virtually any smartphone or tablet via the included magnetic MCC adapter (or one of many device-specific MagnetiConnect® adapters), and

- + Cross-polarized and non-polarized
- + Contact & non-contact dermoscopy
- + Works on virtually any phone & tablet right out of the box
- + Glass faceplate with 10 mm reticle
- + Recharges from any USB jack or charger
- + Used without phone, clips to a pocket

DL1 & iPhone



iPad



Panorama lens
With its sizable 40 mm lens and 4x magnification, see a broad area and finer structures.



Lumio®S

Lumio®S opens a new era in skin diagnostics. With its superb 40 mm lens producing 4x magnification, this convenient device hits the sweet spot between large-area, low magnification viewers and the close quarters of a dermoscopic image. In fact, Lumio S lets you see an area that is 4 times larger than what your dermatoscope provides, while showing lesion



USB convenience
Compatible with your smartphone charger, your PC or any USB jack; no custom charger needed.

Simply, more.

structures invisible to the naked eye. Simply tap & hold to turn on the device, quick-tap to change between two sets of polarized and non-polarized LEDs. The minimalist design of Lumio S is even more functional than simply cool. A clean, elegant exterior with only a single USB jack is much easier to keep



Polarized & Non-Polarized
Quick-tap to see the best of both modalities.

Corning®Gorilla®Glass
Extremely scratch-resistant and easy to clean between patients

clean between patients, its ergonomic soft-touch body provides a comfortable, secure grip, and its genuine *Corning®Gorilla®Glass* top and bottom surfaces are extremely strong and scratch-resistant. Lumio S may be charged from any USB power source using the included USB cable.

- + Polarized & non-polarized
- + Large field-of-view
- + See lesion structures
- + Charge via USB



Lumio 2 is the next generation in general skin exam illumination. By combining polarized white light, three wavelengths in the UV spectrum, a special Wood mode, and special optical filters in a beautifully slim, quickly rechargeable device, Lumio 2 is the ultimate tool for visualizing various skin conditions. Its large, 100mm diameter aspheric lens with 2x magnification allows for unrivaled visualization of dermatological structures in excellent optical clarity. Choose from polarized white light or one of three specific wavelengths: 365nm & 385nm in the UV spectrum or 405nm blue light. Or, select its Wood mode, a special blend custom-tailored to resemble the unique illumination of a Wood's lamp. All five



The big picture, beautifully reimaged.

modes are available in three brightness levels. Lumio 2 comes with two magnetic OptiClip™ accessories. While one can be placed in the field of view to aid visualization, the other OptiClip may be stored in the handle. The OptiClip “405nm Long-Pass” is ideal for enhancing contrast of fluorescent features and the OptiClip 2.5x boosts magnification. Lumio 2 integrates a powerful lithium-ion rechargeable battery designed to let you work for hours. Once its four-level charge indicator signals a low battery, recharging is fast and simple using the included USB-C to USB cable.

- + Aspheric 100mm 2x lens
- + White, 365nm, 385nm, 405nm, Wood modes
- + 3 brightness levels
- + Long-lasting rechargeable battery
- + Ultra-slim aluminum design with rubberized grip
- + 4-level battery indicator
- + OptiClip filter for enhanced fluorescence imaging
- + OptiClip 2.5x magnification boost
- + Protective neoprene pouch

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Lumio-

Get the overview.

Lumio is the ideal device for general skin exams where an in-depth, glare-free image of the skin is essential. With its 75 mm lens offering a magnification of 2x, the power of 40 bright-white LEDs (light emitting diodes), and 3Gen's unparalleled cross-polarization technology, Lumio is a great tool for a variety of dermatological exams: Varicose veins,

pigmented skin lesions, hair follicles and much more. Lumio is powered by four widely available AA batteries that allow for a minimum of 250 exams at 30 seconds each. Model No. LUM is supplied with one Lumio, four AA batteries and one protective neoprene pouch.

- + See more with cross-polarized light
- + Runs on four AA batteries
- + Great screening tool
- + Includes protective neoprene case



Lumio UV

The modern UV light.

Lumio UV is the portable incarnation of an AC-powered Woods lamp. Using an annular array of UV LEDs, this battery-powered device is lightweight, easy to carry and comfortable in your hand. Finally, you have a convenient & powerful UV light source wherever you need it, without having to plug it in.

Lumio UV (Model No. LUM-UV) is supplied with four AA batteries and a protective neoprene pouch.





dermLite FotoX

Digital Dermoscopy with virtually any camera or mobile device

- + Use with virtually any camera, smartphone or tablet
- + Polarized and non-polarized
- + Contact & non-contact dermoscopy
- + Durable aluminum housing
- + Four brightness levels
- + Four-level charge indicator
- + Snap-on faceplate with 10 mm reticle

Snap-On Faceplate

Allows for steady non-contact dermoscopy, enabling imaging of vascular structures without the undesired effects of compression

Foto X is the universal dermoscopy lens that attaches to virtually any digital SLR camera, compact point-and-shoot, mirrorless system camera, or smartphone, and exceeds the performance and capabilities of the original DermLite Foto in most every way.

Housed in a durable CNC-machined aluminum unibody and built around the proven optics from the previous model, Foto X now has both polarized and non-polarized lighting at the push of a button, four brightness levels, and a four-level charge indicator. Perhaps best of all, it has its own on-board lithium-ion power that provides comparable run time as the previous model, rendering the external battery pack obsolete. Using the supplied USB-C cable, Foto X may even be charged during use, allowing infinite operation at any of the three lower brightness levels. The new, extremely durable bayonet spacer design, with its removable snap-on glass faceplate, allows for quick focusing and even steady non-contact dermoscopy with the faceplate removed: Reducing skin contact to outside the periphery of the lesion

Brightness Control
Choose from four brightness levels for the best image



site is an especially useful capability when imaging vascular structures where the slightest topical pressure would conceal vessels and alter overall lesion appearance.

To assist your institution's infection control measures,

Foto X is compatible with IceCap®, disposable covers that simply snap over the unit's faceplate spacer. Foto X may be attached to your camera or smartphone either magnetically (using any of our MagnetiConnect® adapters) or via its standard 37 mm threaded connection, enabling the continued use of any camera adapters that are compatible with the previous-generation DermLite Foto.

DSLR Camera Use

Foto X attaches to any DSLR camera lens via widely available step-down rings, such as 52-37mm.

(Note: Your camera lens filter thread diameter is noted on its lens cap.)



Compatibility
Connect Foto X with a wide range of cameras, from entry level point-and-shoots to high-end mirrorless system cameras.



IceCap®
Disposable snap-on infection control

Smartphone Use
Foto X magnetically attaches to our smartphone adapters





The Foto X Accessory for Nail Imaging and Capillaroscopy

Nailio® is the accessory that leverages the amazing capabilities of Foto X for nail imaging and capillaroscopy. Foto X, with its excellent lens, provides polarized and non-polarized illumination while Nailio improves visualization of deep nail structures and capillaries via its brightness-adjustable red LED. Nailio connects to Foto X and provides a steady platform for your patient's finger or toe and, by being able to tilt from side to side, examining the nail from various angles is easy; it is even possible to examine the distal nail.

Whether you use Foto X in combination with Nailio

or on its own, simply attach your smartphone, tablet or camera (via an optional magnetic adapter, sold separately), and capture images of amazing clarity. DermLite Foto X & Nailio may help with differential diagnosis of hematoma vs. melanin pigmentation, differentiating different types of onycholysis, and may be helpful in the management of melanonychia.



Get the Perfect View
Nailio swivels to allow you to capture the correct angle

IceCap Covers
Take infection control seriously



Foto II Pro

Power on board.

Compatible with any Canon or Nikon SLR, the unit's on-board batteries allow you to capture hundreds of images without draining your camera's battery.

Zoom Lock

Consistency is key, especially during studies. A hidden lock feature, accessible using basic tools, prevents any undesired changes in field of view.



Crop how you see fit. With built-in zoom, your field of view can vary depending on lesion size.

Get the best image.

The all-new *Foto II Pro* dermoscopy lens has been designed for those who wish to capture the highest-quality dermoscopic images using any 2/3 frame or full-frame Canon or Nikon DSLR.

Featuring polarized and non-polarized illumination, a 6-element lens design for superior resolution, zoom, camera-controlled automatic polarization change, *Foto II Pro* is the go-to device for situations where only the best dermoscopic image quality will suffice.

Just like other SLR lenses, *Foto II Pro* attaches to your camera via Canon's EF/EF-S standard bayonet or Nikon's F-Mount connection, and an adapter for

each camera brand is included.

Activate the unit by simply pushing the power button, and a ring of bright-white LEDs—powered by two extremely powerful, on-board lithium-polymer batteries—illuminate a field of view that can range from as small as 9 mm for typical lesions to 20 mm in diameter (image frame height) for larger sites, depending on the camera used. Tap the button to toggle between polarized and non-polarized modes or simply attach the included flash cable to do this automatically after each image.

Take your dermoscopy to the next level and move up to the all-new *Foto II Pro* dermoscopy lens.

Foto II Pro (Model No. DLF2P) is supplied with a charger, flash cable, and Nikon F-Mount & Canon EF/EF-S adapter rings with protective cap.

Magnetic Spacer

Easy to remove, easy to clean. Plus, fine-focusing is built in.



Automatic

Polarization Change >

Connect the flash cable and take a polarized and non-polarized view of each lesion—without taking your hands off your camera.



Camera not included



DL200 Hybrid

MASTERFULLY BUILT IN THE UNITED STATES

