



INNOVATIVE DIAGNOSTICS

LLLT THERAPY

IPL + LLLT THERAPY

3 devices to enhance your practice



The Leader in Advanced Technology

DRY EYE DIAGNOSTICS

Phoenix Meibography Workstation with Topography

The Marco Phoenix Meibography Workstation provides thorough dry eye assessments in addition to corneal topography measurements. Advanced algorithms and intuitive software generate a comprehensive dry eye report as well as full topographic data.

FEATURES:

- » Meibomian gland imaging and analysis
- » Tear film analysis with non-invasive break-up times (NI-BUT)
- » Tear meniscus height analysis
- » Interference pattern imaging of lipid layer
- » Keratoconus screening with classification
- » Integrated pupillography
- » Conjunctival and limbal redness evaluation
- » Fluorescein imaging
- » Corneal OPD wavefront analysis
- » Topography/Keratometry



LLLT THERAPY

Equinox Low Level Light Therapy (LLLT)

Marco Equinox Low Level Light Therapy is non-invasive, pain and stress-free for patients. LLLT is indicated for the application of localized heat when the current medical community recommends the application of periorbital heat to the eyelids. Such applications would include Meibomian Gland Dysfunction (MGD), Dry Eye or Blepharitis, Chalazion, and Stye.

The LLLT mask utilizes medical grade LEDs for light modulation, a photobiomodulation technology that stimulates the production of ATP (Adenosine Triphosphate) by emitting a specific wavelength of light. It also significantly warms the eyelids to temperatures recommended for periorbital heat application. The increase in cellular action that triggers endogenous heat combined with the external thermal heating helps stimulate the normalization of the glands.

FEATURES:

- » User-friendly software automatically calculates the energy and duration of the process
- » Painless, 15-minute application provides a comfortable patient experience with no gel required
- » Patented LED mask covers the complete periorbital area
- » Can produce results in as little as one application
- » Low cost and technician driven



IPL + LLLT THERAPY



EPI-C Plus IPL + LLLT

Marco EPI-C Plus features intense pulse light (IPL) with low level light therapy (LLLT) for more comprehensive application.

FEATURES:

- » The only device with both IPL and LLLT technology, providing both periorcular and direct application
- » No gel required
- » Small footprint, easily transported between exam rooms
- » Air-cooled
- » Auto treatment settings based on skin type
- » Homogenous energy application

This device is FDA cleared for dermatological use



LLLT Masks (Equinox & EPI-C Plus)



RED LIGHT

Stimulates production of collagen and elastin—Red light is absorbed by mitochondria and stimulates ATP increasing cellular action, enhancing its activity.



YELLOW LIGHT

Specific action on the lymphatic system—Yellow light stimulates cells' metabolism promoting a detoxifying action to relieve swelling conditions.



BLUE LIGHT

Purification action—Blue light is recognized to be the ideal wavelength to solicit porphyrins to obtain a bacteriostatic effect with a consequent elimination of bacteria.

1. Hamblin MR. Mechanisms and applications of the anti-inflammatory effects of photobiomodulation. *AIMS Biophys.* 2017;4(3):337-362. doi: 10.3934/biophys.2017.3.337. Epub 2017 May 19. PMID:28748217; PMCID: PMC5523874

2. Menezes PFC, Urbaczek AC, Matta RFD, Bagnato VS (2020) Photobiomodulation Using Amber Led and Infrared Laser to Controlling the Pigmentation and Flaccidity from Skin. *Journal of Aesthetic & Reconstructive Surgery.* Volume 6 No.2:8 DOI: 10.36648/2472-1095.6.2.57

3. Sulek A, Pucelik B, Kobielski M, Barzowska A, Dabrowski JM. Photodynamic Inactivation of Bacteria with Porphyrin Derivatives: Effect of Charge, Lipophilicity, ROS Generation, and Cellular Uptake on Their Biological Activity in Vitro. *International Journal of Molecular Sciences.* 2020; 21(22):8716. <https://doi.org/10.3390/ijms21228716>

Sold Exclusively by Marco Area Managers: marco.com/findyourareamanager

Phoenix Meibography Workstation

TECHNICAL SPECIFICATIONS:

- » Placido Disk 24 Rings
- » Working Distance 78 mm
- » Measured Points 6144 points, ranging from 0.2 to 10 mm
- » Dimensions 610 cm (h) x 206 cm (w) x 320 cm (d)
- » Weight Approximately 13 pounds
- » Digital Camera Color, High Resolution (1024 x 960)
- » Interface to PC USB 3.0

Equinox Low Level Light Therapy (LLLT)

TECHNICAL SPECIFICATIONS:

- » Main Control Unit Dimensions 16" x 11" x 17"
- » Main Control Weight 32 lbs.
- » Optional Cart Dimensions 23" x 22" x 27"
- » Periocular & Face Mask LED LLLT
 - Red 633 nm
 - Blue 400–450 nm
 - Yellow 560–580 nm

EPI-C Plus IPL + LLLT

TECHNICAL SPECIFICATIONS:

- » Main Control Unit Dimensions 16" x 11" x 17"
- » Main Control Weight 55 lbs.
- » Optional Cart Dimensions 23" x 22" x 27"
- » 600nm IPL Filter
- » Heat Absorbing Filter
- » Air Cooled Handpiece
- » Periocular & Face Mask LED LLLT
 - Red 633 nm
 - Blue 400–450 nm
 - Yellow 560–580 nm

Marco doesn't just offer the best products – our experts take the time to listen to your needs so we can understand your whole vision and recommend the process that can help you reach your goals.

It's the combination of best technology, smoothest integrated process, robust educational programs, superior product protection, and expert guidance that makes the Marco difference.

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