

Why PeriOptix?

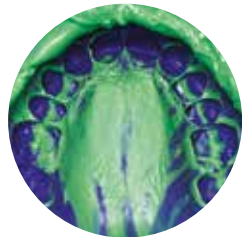
PeriOptix, owned and operated by DenMat since 2013, has been one of the top manufacturers of loupes and high-end headlight systems for 20 years.

- Quality and cutting-edge products, like the Firefly®, that offer users a variety of features to fit their needs
- Top-rated, lightweight loupe and headlight options
- Premium brand name frames like Adidas® and Hogies™
- Made in the U.S.A. with a California-based customer care and service center

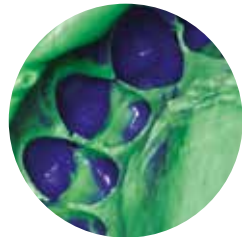
See the PeriOptix difference.

All PeriOptix optics are made with high-end, shatter-resistant glass to ensure optimum edge-to-edge clarity in a large viewing field. Our variety of magnification options and large selection of loupe styles ensure that most any need is met with an elegant and customizable solution.

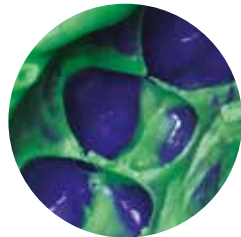
No Magnification



2.5x Magnification



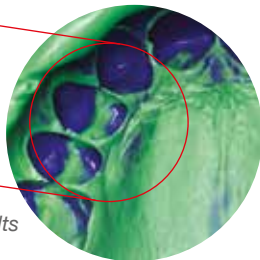
3.5x Magnification



Small Field of View



Large Field of View



Higher magnification typically results in a smaller field of view.

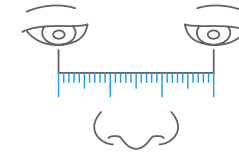
Mission Statement

PeriOptix strives to provide high quality magnification and illumination technologies that allow the dental professional to identify issues, ascertain problems, and implement solutions for their patients at an affordable cost. Our products not only enhance patient care through better visual acuity, but also promote proper ergonomics which can reduce fatigue and extend career longevity.



Pupillary Distance

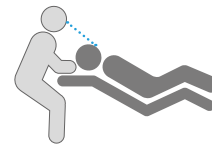
Pupillary Distance (PD) is the measurement, in millimeters, between the centers of the pupils in each eye. This measurement can be done quickly by your local PeriOptix representative or by any optometrist. Note: If measured by an optometrist make sure the measurement is taken at infinity (∞).



Right PD	Total PD	Left PD

Working Distance

Working Distance is the measurement at which the user is comfortable working. This distance should be calculated while the user is in an upright, and comfortable position that keeps the clinician's ergonomics in check.



- S 12 – 14 in (308 – 380 mm)
- R 15 – 17 in (380 – 455 mm)
- L 18 – 20 in (455 – 530 mm)
- XL 21 – 23 in (530 – 605 mm)

800-433-6628
denmat.com

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The choice is clear.



Custom loupes and headlamps with an unbeatable combination of both quality and value.



Loupes

The lightest weight premium through-the-lens loupes.

Through-the-lens loupes are custom manufactured for each individual user. TTL loupes have extremely precise optical quality and a large field of view making them comfortable, easy to use, and care free. TTL loupes are also much lighter and sleeker than their flip-up counterparts.

2.3x MicroLine™ TTL Loupes

One of the lightest loupes on the market. The great field of view and depth make this loupe comfortable for first-time loupe users and is perfect for hygienists and assistants.

Weight: 35 grams **Field of View:** 3.5 inches **Depth of Field:** 4.5 inches

2.7x TTL Loupes

The perfect balance between magnification and depth of field. This loupe is ideal for any general dental practitioner.

Weight: 43 grams **Field of View:** 3.5 inches **Depth of Field:** 4.0 inches

3.1x TTL Loupes

A great loupe for experienced loupe users. The higher magnification is beneficial for anyone looking to add a second pair of loupes.

Weight: 47 grams **Field of View:** 2.5 inches **Depth of Field:** 3 inches

4.0x TTL Prismatic Loupes

The newly reimagined prismatic 4.0x loupe is extremely lightweight compared to its counterparts on the market. This high magnification allows the user to see a large image without compromising image clarity.

Weight: 61 grams **Field of View:** 2.5 inches **Depth of Field:** 2.5 inches

All measurements are taken on the PeriVista Sport Frame at a long working distance.



Microline Flip-Up Loupes

Legacy Flip-Up Loupes

Panoramic Flip-Up Loupes

Frames

Feel the PeriOptix difference.

No feature is more important for comfort than the frame. PeriOptix frames have a wide variety of styles and adjustments, providing overall comfort and customizability for our wearers. PeriOptix provides advanced, high-quality frames to meet your practice needs, while suiting your preference in style.

PeriVista Sport Frame by Adidas®

The PeriVista sport frame is custom-manufactured by Adidas for use with PeriOptix loupes. This is our most popular frame option because it provides wrap-around protection in a stylish design. This frame also allows the user to make adjustments to improve the fit on their face.

- 2-position adjustable nose piece
- Adjustable declination angle with 3-position temple arms
- Prescription lenses available
- Available in 2 sizes, standard and large



Matte Black

Red

Grey

Copper

Gold (Titan)

White

Blue (Petrol)

Silver



Hogies™ Frames

Classic Titanium Frames

Rimz Frames

Mirage Frames

Headlights

See what you've been missing.

PeriOptix improves visual acuity through powerful headlights that remove shadows in the oral cavity, eliminating the need for constant adjustment of overhead lighting. They provide uniform and natural-color output necessary to ensure the best outcome with your patients.

Firefly® Cordless Headlight System

Easily upgrade your favorite pair of loupes to incorporate a Firefly cordless headlight, and enjoy the freedom to move through any procedure with confidence.

- Eliminates heavy power packs and annoying cords
- Easy to clean, reducing the risk of cross-contamination
- Provides a well-defined and uniform spot with natural color output

Light Intensity: 2 settings — high 32,000 lux and low 20,000 lux

Weight: 28 grams

Field Illumination: 70 mm

Colors: Available in black, red and blue

MicroLine™ Mini

The MicroLine Mini LED is significantly smaller and lighter than most other LED headlights. With a diameter about the size of a dime and weighing less than 9 grams, the MicroLine Mini delivers an amazing output of uniform light across the entire oral cavity.

Light Intensity: Fully adjustable up to 40,000 lux

Weight: 9 grams

Field Illumination: 75 mm



Solaris® Headlight
(Solaris® Wide View Headlight also available.)



A Certified DenMat Loupe Specialist can fit you for the perfect flip-up or through-the-lens loupes. All DenMat sales representatives are trained and certified to assist you with your loupe needs.