



STUDENT/RESIDENT

Buying Guide



INTRODUCTION



At Orascoptic, we know eyes.

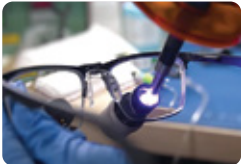
Masters of our craft, we unlock your most important clinical instrument and in turn, empower you to perform at your best.

Because an assembly-line approach to vision just doesn't cut it, we custom design and craft our products to be an extension of you.

Together we can enable you to see the unseen.

To practice more ergonomically. To excel at your craft.

As an industry leader, Orascoptic is constantly pushing the limits to provide clinicians with the latest products that achieve superior visualization through enhanced ergonomics, improved magnification and illumination.



WATCH NOW
to learn more about
custom manufacturing

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STUDENT INCENTIVES



WE'RE HERE TO HELP

We know this process can be overwhelming. We understand that there's lots of options to choose from and from your point of view, all the loupes might look pretty similar. Let's break down some of the main differences.

Here at Orasoptic, we hang our hat on the clarity of our optics above all else. Our 2.5x loupe has best in class optical resolution among our top four competitors. Choosing Orasoptic means you'll experience the clearest, sharpest image quality available. Want to fact check? Check out our test results on the next page.

You might be looking at our selection thinking, "Where are the designer frames?" Simply put, we don't offer many because we don't think they are the best options for loupes. The frames we use serve as a platform for a medical device. Therefore, we place priorities such as performance, durability and safety at the forefront and we build our frames to function as a platform for loupes. Our custom frame selection offers a great deal of variety – there's something for everyone!

Questions? We welcome them. We're ready to help you choose the best loupe for you — now and throughout the rest of your career.



LAB-TESTED RESOLUTION + BRIGHTNESS = CLARITY

The difference is striking. In a series of third-party lab tests, Orascoptic's 2.5x loupes consistently outperformed the competition with superior combined scores for field width, field depth, resolution and light transmission. Most notably, our scores were outstanding in the areas that contribute most to image clarity.

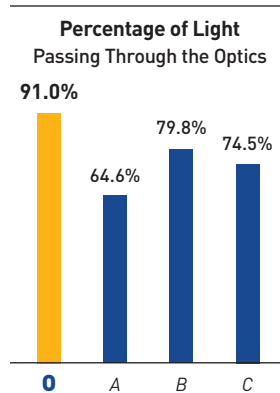
Third-party testing confirms that with best in class optical resolution and best in class light transmission, Orascoptic loupes deliver the clearest image quality in the industry.

▶ THE LIGHT TRANSMISSION TEST

This test measured how much light passes through the optic to the eye. The greater the light transmission, the brighter the image which together enhances image clarity.

For the light transmission test, Orascoptic's loupes measured:

- **40% better** than *Manufacturer A*
- **14% better** than *Manufacturer B*
- **20% better** than *Manufacturer C*



Did You Know?

As our eyes age, less light reaches our retinas. Orascoptic loupes have a greater light transmission which allows you to maintain a high level of clarity and detail as you progress in your career.

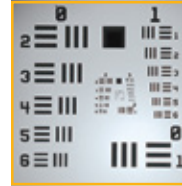
Based on results of independent third-party testing.



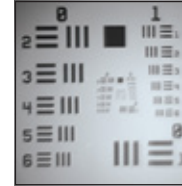
► **THE RESOLUTION TEST** Scores were determined by viewing the industry-standard USAF resolution target (right) through each telescope and performing the relevant calculations.

For the resolution test, Orasoptic's loupes measured:
125% better than A | 12% better than B | 26% better than C

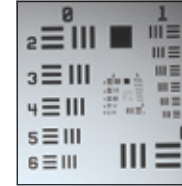
To learn more about the tests, visit orasoptic.com.



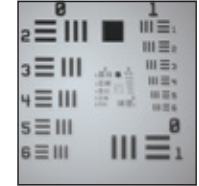
ORASOPTIC
(22.63 LP/mm)



Manufacturer A
(10.03 LP/mm)

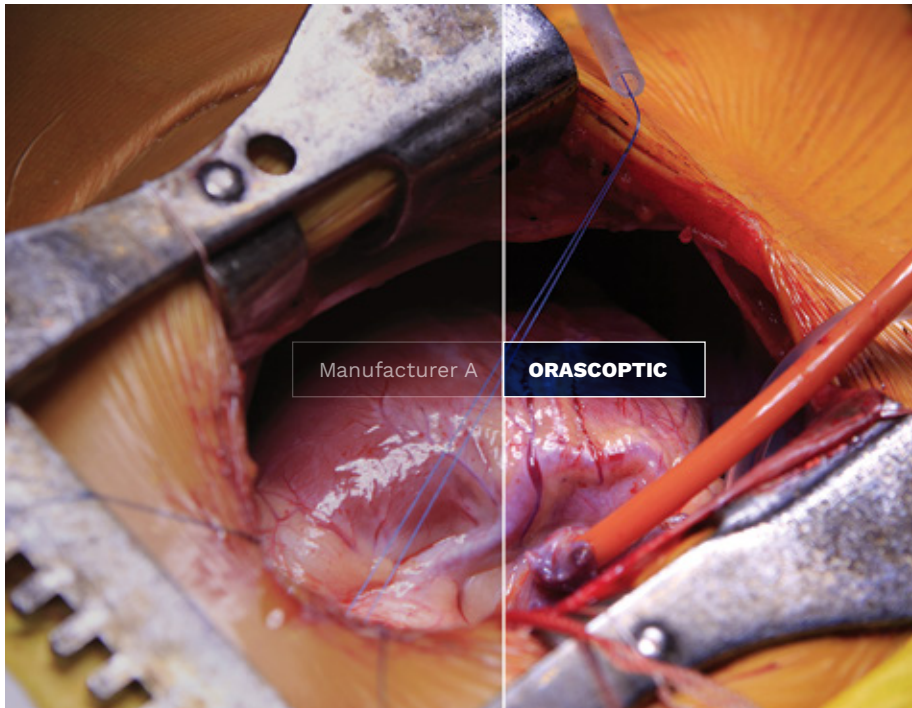


Manufacturer B
(20.16 LP/mm)



Manufacturer C
(17.96 LP/mm)

Based on results of independent third-party testing.



NOTE: Simulated comparison of third-party lab tests conducted 2018

HEAR FROM YOUR PEERS

Practice more ergonomically. The use of magnification systems has been associated with decreased neck and lower back pain, as they allow clinicians to maintain a healthier posture. Elongated bezels provide steeper declination angles allowing for a reduction in physical strain. Sitting in a more ergonomically correct position throughout the workday can promote a long and healthy career.



“For 7 out of 9 years of being a practicing dentist I have used my Orascopeptic loupes and light! Awesome clarity and supports ergonomic neck and back posture. **I have not once had any neck or back pain since using these loupes!**”

— Dr. Monica S. Wheeler, DDS



“My Orascopeptic loupes have been instrumental in my surgical training by providing excellent magnification and optimal visualization. **These lightweight frames are my favorite and the best for ergonomics.**”

— Amanda Marsh, MD-General Surgery Resident



“I’ve been using my Orascopeptic loupes and light since residency. They help maintain proper posture and **save my neck and back after hours of surgery.**”

— Viraj J. Mehta, MD, MBA





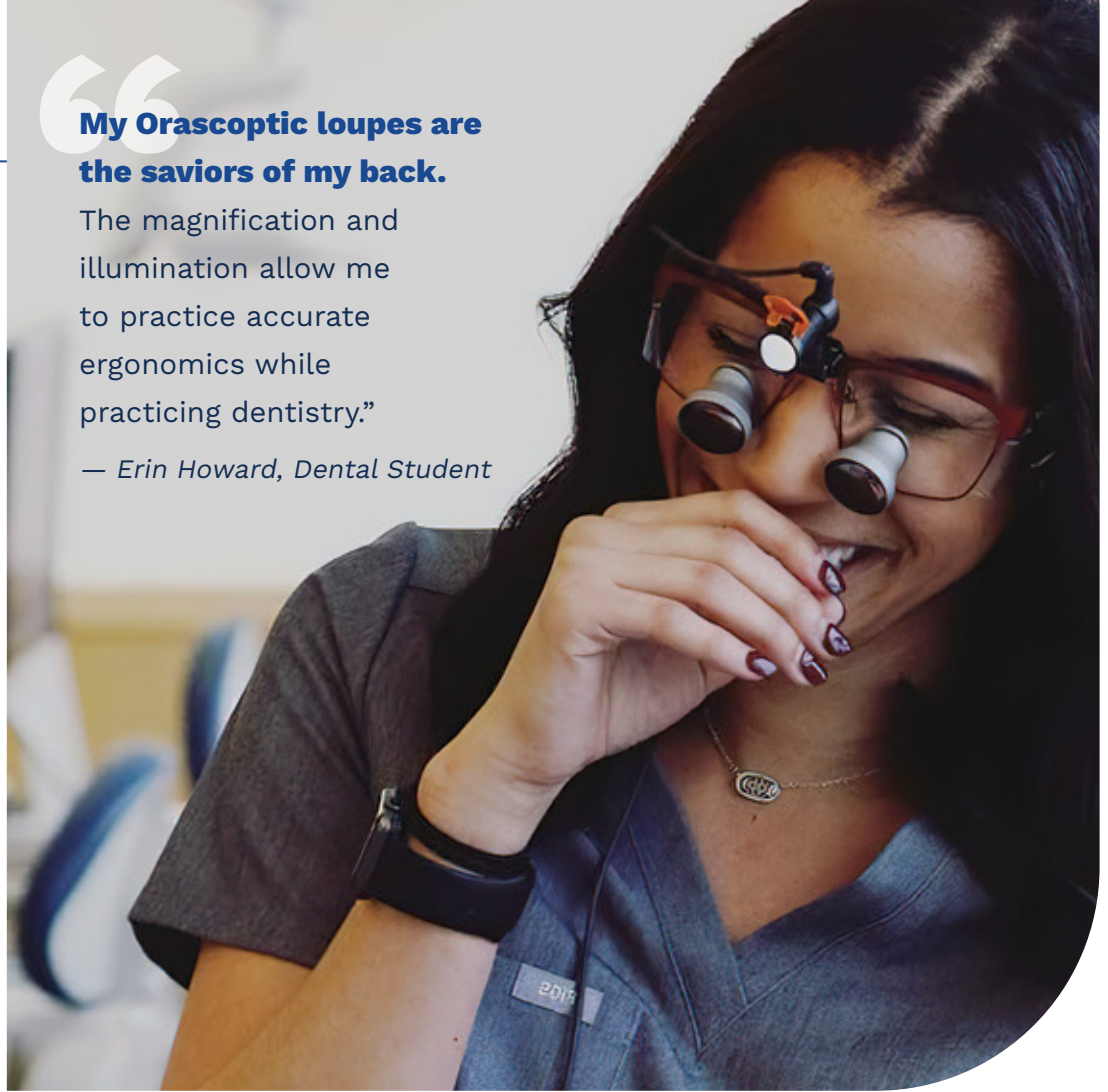
“When you make your investment in loupes, **do it right the first time by choosing Orascopeptic.** You'll view details at a higher level of accuracy and precision while keeping your spine straight at the same time.”

— Dr. Varun Chintakunta, DMD

“**My Orascopeptic loupes are the saviors of my back.**

The magnification and illumination allow me to practice accurate ergonomics while practicing dentistry.”

— Erin Howard, Dental Student



A PASSION FOR INNOVATION

Innovation is our way of life. We remain steadfastly committed to investing in innovation to advance the leading edge of design in the field of dental & surgical loupes and headlights. We are proud to have presented

the industry with many 'first and onlys.' Here's a look at some of the innovations, many of which are available **exclusively through Orascoptic.**

INNOVATION
is a core value
at Orascoptic.

EYEZOOM™

The first and only 3-in-1 adjustable magnification loupe — like owning **three loupes in one.**



XV1™

The complete package — the first and only integrated loupe and headlight in one.



EXPANDED FIELD PRISMS

Enables precise interactions and enhanced visibility for various exacting procedures **3.5x to 5.5x.**



OMNIOPTIC™

The first and only **interchangeable magnification loupe**.



PATENTED HEADLIGHTS

U.S. patents granted for the optical design in each of our headlights, enabling uniform light distribution.



ERGOEDGE™ RDH ELITEEDGE™

These patent-pending frames include the ability to **fine-tune the declination angle** of your loupes.



page 17-18

TRUCOLOR™

The first high-color rendering index (CRI) illumination in an LED loupe-mounted headlight.



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DETAIL AT A DISTANCE

What has always been true about loupes, but is more relevant now than ever before?

LOUPES ENABLE
increased working distances from patient.



LOUPES UNLOCK
a larger image for enhanced clinical detail.



LOUPES SUPPORT
ergonomic neck and back posture in a fast-changing environment.



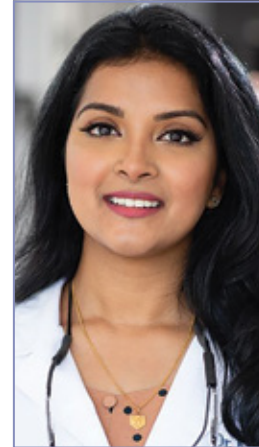
“My Orascope loupes have drastically **improved my ability to see detail at a distance** so I can continue to provide exceptional care for my patients.”

— Dr. Melanie Silvestrini



“With the help of my Orascope loupes and Spark™ headlight system I’m able to work at an extended distance **without compromising my ergonomics or patient care.**”

— Molly Blackburn, RDH



“Orascope loupes are lightweight and have a wireless headlight option. It helps me keep my distance especially during COVID-19, whilst being able to see every detail.

I cannot imagine working without them.”

— Dr. Kapilisha Natkunam



OPTICS GALILEAN TELESCOPES

Choosing an optic is the first step in designing your ideal loupe.

HDL™ 2.5 Micro (2.5x) | Field Width 3.4" (8.75 cm); Field Depth 7.0" (17.80 cm)



HDL™ 2.5 Macro (2.5x) | Field Width 4.0" (10.40 cm); Field Depth 5.0" (12.70 cm)



HDL™ 3.0 (3.0x) | Field Width 3.1" (7.90 cm); Field Depth 7.5" (19.0 cm)



The stated field width and depth specifications were tested without an eye prescription and at a working distance of 19" on the HDL 3.0 and 18" on all other optics.



OPTICS

PRISMATIC TELESCOPES

HDL™ 3.5 (3.5x) | Field Width 3.5" (8.90 cm); Field Depth 3.6" (9.10 cm)



HDL™ 4.5 (4.5x) | Field Width 2.95" (7.50 cm); Field Depth 2.64" (6.70 cm)



The stated field width and depth specifications were tested without an eye prescription and at a working distance of 19" on the HDL 3.0 and 18" on all other optics.

HDL™ 5.5 (5.5x) | Field Width 2.51" (6.40 cm); Field Depth 2.32" (5.90 cm)



OPTICS **ADJUSTABLE MAGNIFICATION**



Offering two adjustable magnification solutions, EyeZoom™ features three magnification levels ranging from 3x-5x, while EyeZoom Mini™ features two magnification levels allowing the user to switch between 2.5x and 3.5x. Orascopic's EyeZoom and EyeZoom Mini offer clinicians the ability to switch between multiple magnification powers to accommodate a variety of procedures that require varying degrees

of detail. Use lower magnification for routine dental examinations and preparation for crown and bridge procedures. Increase magnification for more complex and exacting procedures.

EYEZOOM™

- (3.0x) | Field Width 4.0" (10.20 cm); Field Depth 4.0" (10.20 cm)
- (4.0x) | Field Width 3.25" (8.30 cm); Field Depth 3.25" (8.30 cm)
- (5.0x) | Field Width 2.50" (6.35 cm); Field Depth 2.50" (6.35 cm)



EYEZOOM™ MINI

- (2.5x) | Field Width 3.97" (10.10 cm); Field Depth 4.76" (12.10 cm)
- (3.5x) | Field Width 3.19" (8.10 cm); Field Depth 3.78" (9.60 cm)



The stated field width and depth specifications were tested without an eye prescription and at a working distance of 17.2" to 17.9" on the EyeZoom™.



OPTICS INTERCHANGEABLE MAGNIFICATION

OmniOptic™ — Discover the first and only interchangeable magnification loupe that allows clinicians to select the optimal magnification power for each procedure. Accommodating four magnification powers ranging from 2.5x – 5.5x, the OmniOptic

is an ideal system for users looking to increase their magnification power over the course of their career.



LOUPE OPTIONS

HDL™ 2.5 Macro · HDL 3.5 · HDL 4.5 · HDL 5.5

FRAME OPTIONS

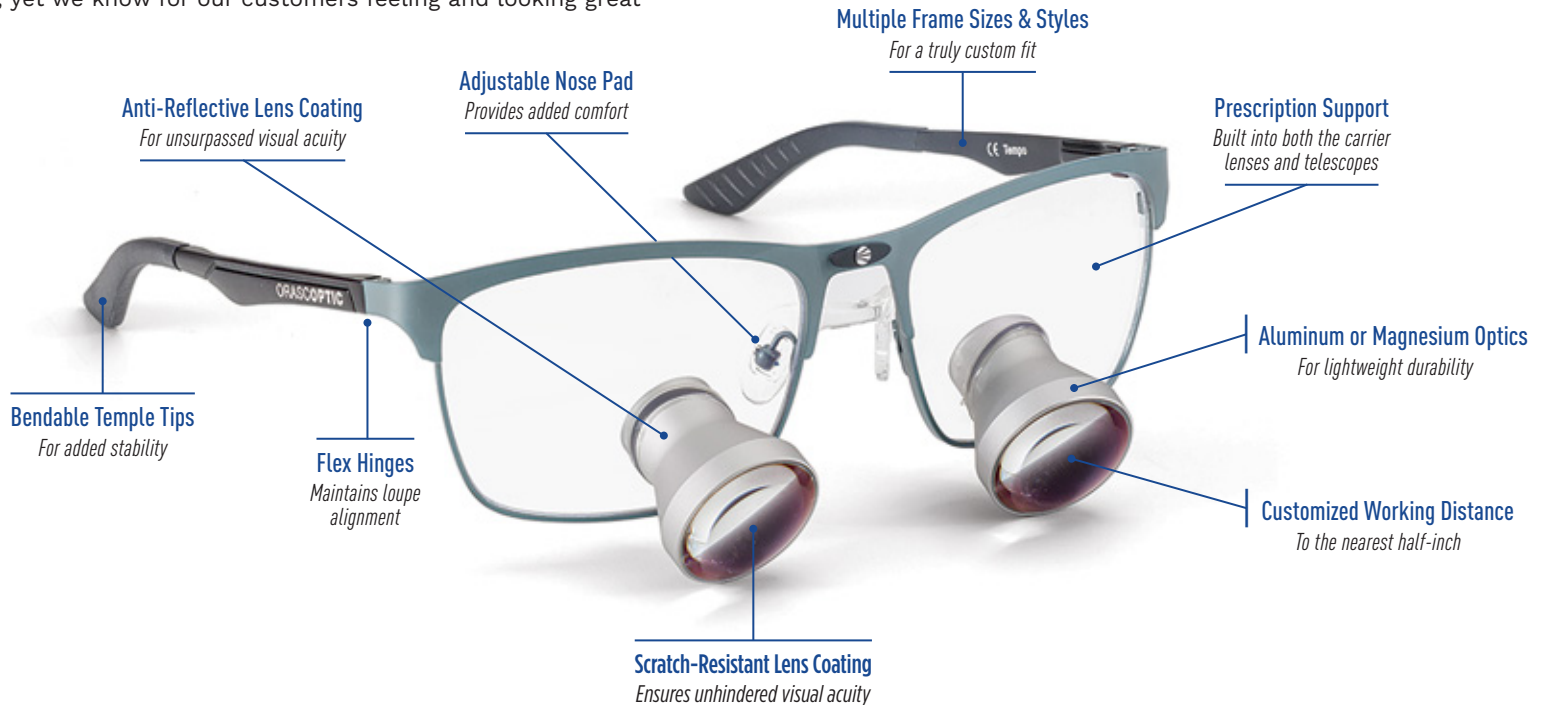
ErgoEdge™ · Rydon™ · Tempo™ · Victory™ · XV1™



FRAME EDUCATION

One of the things that truly sets Orascopic apart is that we want our frames to first and foremost be functional platforms for medical devices. We place performance, durability and safety as high priorities when designing frames. We pride ourselves on delivering a high-quality design, yet we know for our customers feeling and looking great

while wearing their loupes is a close second. We're proud to say that advances in our custom frames have smoothly blended style and safety with numerous frame style and color options.



FRAMES

Say goodbye to uncomfortable loupes that slide down your nose or rest on your cheeks. Orascoptic is proud to present **Tempo™ Refined Fit**, a loupes frame engineered to provide optimal comfort for clinicians with prominent cheekbones and a lower nose bridge. Because loupes should fit comfortably on everyone.

TEMPO™ REFINED FIT



The **optimal angle of pantoscopic tilt** ensures the frame rests above the cheekbones.

The **ideal frame height** to prevent misalignment of optics caused by frames resting on the cheekbones.

A **unique nose pad wire** allows a comfortable and secure fit on a less pronounced nose bridge.

MATERIAL Stainless Steel • Aluminum



Black

MOUNTING OPTIONS Through-the-Lens



Slate

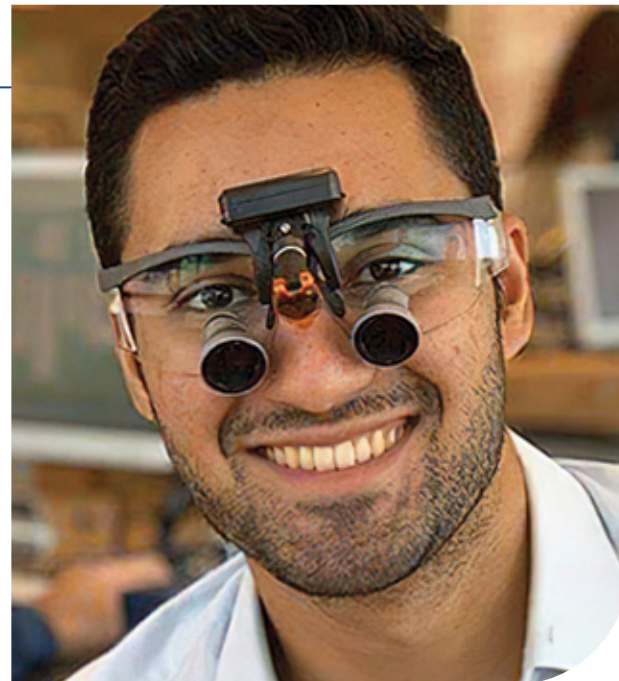
SIZES Medium



FRAMES

Experience the comfort of our latest frame innovation, ErgoEdge™

This patent-pending frame includes numerous adjustable features — most notably the ability to fine-tune the declination angle of your loupes using ComforTilt™ technology. Simply loosen the screw on the inside of the temple arm to adjust the angle of your frame + or – 5 degrees. You can adjust this frame's nose pad and temple tips to your liking and it comes with a head strap that clips directly into the temple tips for a more secure fit.



TELESCOPE OPTIONS

HDL™ 2.5 Micro · HDL™ 2.5 Macro · HDL™ 3.0 · HDL™ Prisms
EyeZoom™ Mini · EyeZoom™



Black



Blue



Carbon



Merlot



Purple



FRAMES



RDH ELITEEDGE™



TELESCOPE OPTIONS

RDH ELITE



Black



Blue



Pink



Purple



FRAMES

VICTORY™

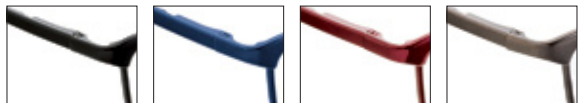


TEMPO™



TELESCOPE OPTIONS

HDL™ 2.5 Micro · HDL™ 2.5 Macro · HDL™ 3.0 · HDL™ 3.5
HDL 4.5 · HDL 5.5 · EyeZoom™ Mini · EyeZoom™



Black

Blue

Merlot

Slate

TELESCOPE OPTIONS

HDL™ 2.5 Micro · HDL™ 2.5 Macro · HDL 3.0 · HDL 3.5
HDL™ 4.5 · HDL™ 5.5 · EyeZoom™ Mini · EyeZoom™



Black

Blue

Merlot

Slate

Twist



FRAMES



FLAK 2.0®



RYDON™

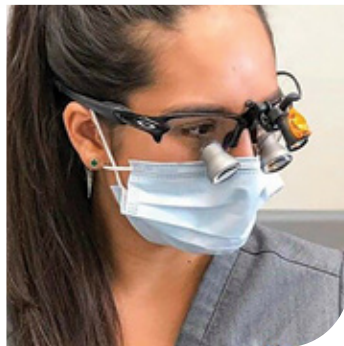


TELESCOPE OPTIONS

HDL™ 2.5 Micro · HDL™ 2.5 Macro · HDL™ 3.0



Black



TELESCOPE OPTIONS

HDL™ 2.5 Micro · HDL™ 2.5 Macro · HDL™ 3.0 · HDL™ 3.5
HDL™ 4.5 · HDL™ 5.5 · EyeZoom™ Mini · EyeZoom™



Black



Blue



Carbon



Merlot



Tortoise

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ABOUT ILLUMINATION

Orasoptic loupe-mounted LED headlights allow for proper illumination. Here's what to consider:

THE COLOR RENDERING INDEX (CRI) is an industry standard measurement of color accuracy in lights. Our TruColor headlight has a CRI of 90+ compared to our competitors' ~ 70. TruColor technology fulfills our core mission: set the standard for driving innovation.

SPOT UNIFORMITY: A uniform round spot means that the brightness and color of the light are consistent from edge to edge, as opposed to dimming on one side or a blurred edge. Using a light with a uniform spot helps to prevent eye strain or fatigue.

**PATENT
APPROVED**

Orasoptic was granted a **U.S. patent for the optical design used in each of its headlights.** With Orasoptic-exclusive technology, clinicians can flood oral and surgical sites with a more uniform distribution of light, using an optical design that is lighter weight than before — that's a win-win!

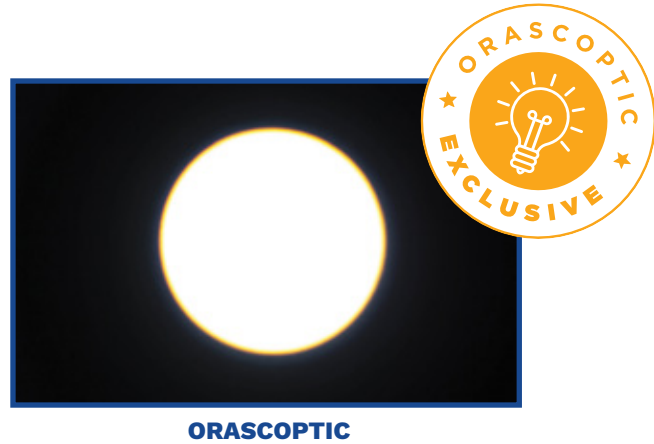
BRIGHTNESS: Don't it get twisted — comparing lumens to footcandles is like comparing apples to oranges. Information based on such a comparison wouldn't be accurate. Orasoptic headlights range from 32 lumens (Spark) to 85 lumens (Endeavour XL). We are happy to help you determine which level of intensity best suits your day-to-day.



ABOUT ILLUMINATION *(CONTINUED)*

The difference is in the *spot quality*. Spot size and color are important factors to consider when determining the quality of a light. We partnered with an independent research firm to conduct a comparative study on

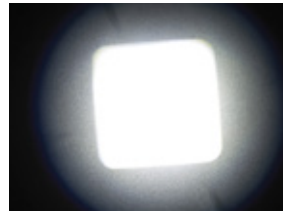
the quality of the Orascoptic light versus four main competitors. You can see the results for yourself by comparing the spot quality in Orascoptic's lights against those of its competitors.



ORASCOPTIC

Each Orascoptic headlight model is tested to ensure compliance with blue light testing standards set by the International Electrotechnical Commission.

To learn more, visit orascoptic.com/products/headlights



Manufacturer A



Manufacturer B



Manufacturer C



Manufacturer D

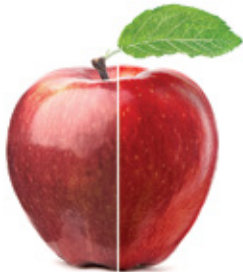
Based on results of independent third-party testing.



TRUCOLOR™ A BREAKTHROUGH IN LOUPE ILLUMINATION TECHNOLOGY

TruColor is Orascopic's breakthrough technology. It's the first and only loupe-mounted high-color rendering index (CRI) headlight. TruColor enables each Orascopic headlight system to render colors as close as possible to natural sunlight, providing a higher level of color accuracy.

TRUCOLOR™



70 CRI **90 CRI**



70 CRI **90 CRI**

TruColor is a fundamental leap forward in loupe illumination technology. With a CRI of 90+, TruColor delivers the most precise color without sacrificing the high-quality light output, spot uniformity or battery life you expect from Orascopic headlights.

The TruColor ADVANTAGE

- Breakthrough color rendering
- More natural, accurate reds, yellow and whites
- Identify tissue colors, match shades
- CRI > 90 vs the current CRI ~ 70 industry standard



Available for our entire line...

Spark TruColor · **XV1** TruColor · **Endeavour** TruColor · **Endeavour XL** TruColor

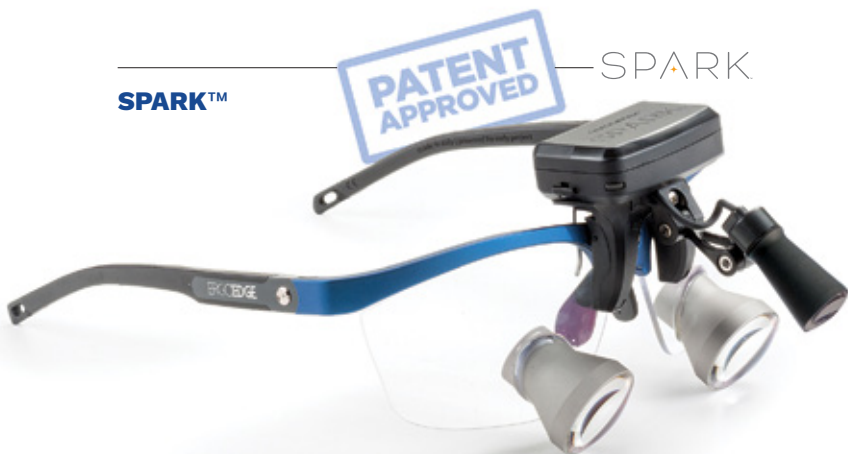


WATCH NOW
to learn more
about TruColor



ILLUMINATION

Proper illumination during procedures and examinations helps to identify critical details are not overlooked by the naked eye.



Self-contained cordless headlight that integrates with virtually any loupe or eyewear model. The Spark dispenses weight evenly across the bridge of the frame.

LIGHT INTENSITY 32 Lumens

HEADLIGHT WEIGHT 1.12 oz (31.8g)

BATTERY LIFE (2) 6 hours each

CHARGING TIME 2 hours



Consider battery life, light intensity, cordless or cabled and weight when looking to purchase your first headlight.



Designed with a perfect synergy between magnification and illumination, the XV1 is the first and only wireless loupe and headlight in one.

LIGHT INTENSITY low: 42 Lumens; high: 68 Lumens

HEADLIGHT WEIGHT 5.7 oz (161.7g)

BATTERY LIFE 10 hours on low; 6 hours on high

CHARGING TIME Less than 2 hours



ILLUMINATION *(CONTINUED)*

A portable LED light system, the **Endeavour** provides a precise focused beam of light that is distributed evenly across the field of view. The **Endeavour XL** headlight provides a precise beam of light that helps illuminate critical details that can often be overlooked by the naked eye.

ENDEAVOUR™



LIGHT INTENSITY 32 / 53 / 68 Lumens
HEADLIGHT WEIGHT 0.38 oz (10.8 g)
BATTERY LIFE up to 18 hours

Available with
TRUCOLOR™

ENDEAVOUR™ XL



25% brighter
than Endeavour
25% longer
battery run time
than Endeavour
24-hour
continuous
battery life

LIGHT INTENSITY 53 / 68 / 85 Lumens
HEADLIGHT WEIGHT 0.38 oz (10.8 g)
BATTERY LIFE up to 24 hours

Available with
TRUCOLOR™



STUDENT PROGRAM INCENTIVES

You are on the cusp on one of life's biggest adventures — the beginning of a successful career. And we want to help you make your mark. As an industry leader in magnification and illumination, our mission is to empower clinicians, right from the start, to perform at their best. Let our experts guide you in selecting the right loupe & headlight combination for you, so you can unlock your most important clinical instrument — your vision.

Our STUDENT BENEFITS include:

- **Up to 40% off** retail pricing (up to 3 months after graduation)
- **Interest-free** payment plans
- **45-day** trial period
- Loupe and light **bundle discounts**
- **Lifetime warranty** on telescopes
- **1 FREE** working distance adjustment
- **1 FREE** prescription change
- **FREE** replacement parts
- **FREE** loupe service



“I was SO excited to try the 3-in-1 EyeZoom™ as my first loupe as a qualified dentist!”

— Dr. Erin Morgan



BUILD THE PERFECT LOUPE

Building your dream loupe is as easy as a few clicks. Just let us know what loupe model you're interested in, and what frame style and color you want to mount it on, and you're on your way!

Our easy web interface will walk you right through every step in a matter of minutes.

orascopic.com/loupe-builder





 **ORASCOPTIC™** | SUPERIOR VISUALIZATION

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