

ErgonoptiX



Surgical Loupes & Headlights

WWW.ERGONOPTIX.COM

ErgonoptiX Comfort

New Optics Technology

The new developments in optics technology and lightweight composite materials (metal, glass and plastics) utilized in ErgonoptiX Loupes deliver superior image quality in comparison to conventional optics.

The new micro Galilean Loupes produce an all-round crisp image, with a wide field of vision and an unparalleled deep focus range (up to 200mm).

Using the latest optics technology, in combination with these new lightweight materials, ErgonoptiX produces highly optimized surgical loupe systems, suitable for the most demanding professional applications.



Precision

Lightweight

Improved Ergonomics

Viewing Angle

Interpupillary Adjustment

Flip-Up Loupes

TTL Loupes

Frames

Prescription

Multi-coated optics reduce reflection, provide a superior image and outstanding rendition.

Engineered using a lightweight metal alloy, providing increased stability and higher quality than is possible with conventional metal or plastics.

Over 80% of dentists & surgeons suffer from back and neck pain
Using ErgonoptiX Comfort Loupes, a better working posture is automatically achieved.

Fully adjustable viewing angle (declination angle) reduces neck pain and improves posture. Your long term health is important. Working at the correct posture will help reduce complaints.

One Step Easy Grip Knob ensures the loupes are optimally fitted to each individual.
Multi user friendly: Easily share a pair of loupes with your colleagues.

Flip up type loupes means the magnification system can easily be flipped from your line of sight with one easy move. Simply flip down again when required.

TTL (Through the lens) type loupes Offer personalized individual fitting

Lightweight, comfortable frames designed for ultimate function and versatility. Side shields and silicone nose pads provide full protection and optimal comfort.

Prescription lenses with your personal prescription can easily be added.

Surgical Loupes & Lights

Comfort Galilean: 2.5x, 3.0x and 3.5x

Lightweight Galilean Binocular Loupes
Flip-Up type

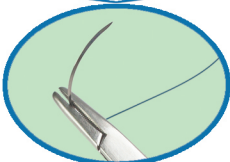
micro Galilean: 2.5x and 3.0x

mini Galilean Binocular Loupes
Flip-Up type (30% smaller and lighter)

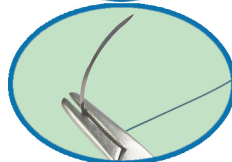
TTL Galilean: 2.5x, 3.0x and 3.5x

Ultra Lightweight Galilean Binocular Loupes
Through the lens type.

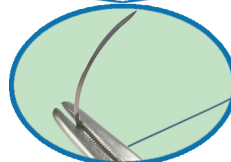
2.5x



3.0x



3.5x



Galilean

P-4



micro Galilean

P-6



TTL Galilean

P-8



Comfort micro Prism: 4.0x

Lightweight, small Prismatic Binocular Loupes, Flip-Up type

Comfort Prismatic: 5.0x and 6.0x

High Power Prismatic (Keplerian) Binocular Loupes, Flip-Up type

4.0x



5.0x



6.0x



Slim Prism

P-10



Prismatic

P-10



D-Light: High power, small size, portable LED surgical headlight

D-Light Duo: Next generation Shadowless Dual LED headlight

On Loupes



Lamp-Only



Duo



D-Light

P-14

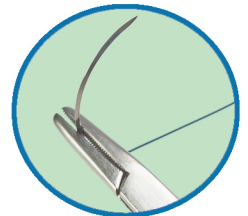
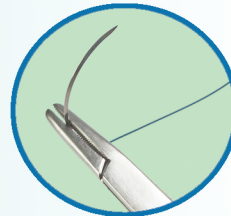
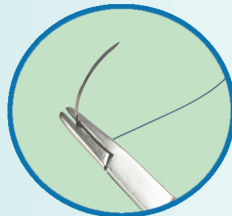


ErgonoptiX Comfort

Grey



Black



2.5x

ECG	Power	Working Distance	Field of View	Depth of Field	Black - Grey
2.5X - S	2.5x	340mm / 13,4 in	90mm / 3,5 in	80mm / 3,1 in	42gr - 48gr
2.5X - R	2.5x	420mm / 16,5 in	100mm / 3,9 in	90mm / 3,5 in	42gr - 48gr
2.5X - L	2.5x	500mm / 19,7 in	110mm / 4,3 in	110mm / 4,3 in	42gr - 48gr
2.5X - XL	2.5x	550mm / 21,7 in	125mm / 4,9 in	120mm / 4,7 in	42gr - 48gr

3.0x

ECG	Power	Working Distance	Field of View	Depth of Field	Black - Grey
3.0X - S	3.0x	340mm / 13,4 in	60mm / 2,4 in	60mm / 2,4 in	48gr - 52gr
3.0X - R	3.0x	420mm / 16,5 in	65mm / 2,6 in	80mm / 3,1 in	48gr - 52gr
3.0X - L	3.0x	500mm / 19,7 in	70mm / 2,8 in	90mm / 3,5 in	48gr - 52gr
3.0X - XL	3.0x	550mm / 21,7 in	75mm / 3 in	100mm / 3,9 in	48gr - 52gr

3.5x

ECG	Power	Working Distance	Field of View	Depth of Field	Black - Grey
3.5X - S	3.5x	340mm / 13,4 in	55mm / 2,2 in	50mm / 2 in	52gr - 55gr
3.5X - R	3.5x	420mm / 16,5 in	60mm / 2,4 in	55mm / 2,2 in	52gr - 55gr
3.5X - L	3.5x	500mm / 19,7 in	65mm / 2,6 in	60mm / 2,4 in	52gr - 55gr
3.5X - XL	3.5x	550mm / 21,7 in	70mm / 2,8 in	65mm / 2,6 in	52gr - 55gr

ECG

All Models	Adjustable viewing angle: 0 - 45°
All Models	Adjustable pupil distance
All Models	Available in: Black or Grey/Silver

Galilean Loupes

ErgonoptiX Comfort Galilean range of Dental & Surgical Loupes

Designed for your optimal ergonomic comfort, and provide a wide field of view, combined with a deep focus range.

Multi-coated precision lenses for superb clarity and reduced reflection.
Ultra lightweight body and frame for maximum comfort.
Fully adjustable viewing angle, pupil distance and flip-up function.

ErgonoptiX Comfort Loupes provide ultimate flexibility as a multi functional surgical loupe.

Integrated new technology offers a wider and deeper field of vision, maximum ease of use & multi-functional capabilities.

Utilizing high performance lens systems that provide dental & surgical loupes with an extra wide field of view (up to 125mm), and a deep focus field (up to 120mm), while maintaining minimal weight (as little as 42 grams).

- * **Lightweight**, Galilean type binocular loupes.
- * **Maximum ease of use** combined with multi-functional capabilities.
- * **Multi-coated precision lenses** for superb clarity and reduced reflection.
- * **Ultra lightweight** body and frame for maximum comfort.
- * **Fully adjustable** viewing angle, pupil distance and flip-up function.

Personal
Comfort

- Carrying Case
- Removable Lens Covers
- Flip-Up Handle
- Side Shields (metal frames)
- Screwdriver
- Head Strap
- User Guide
- Micro-Fiber Cloth
- Calibration Target



Included in
Basic Set



Metal Frame



Safety Frames

Choice of
Frame



Head-Band



Clip-On

Other Options

For more frame options & colors, Head-bands,
prescription lens inserts, and other accessories,
see accessories pages P12 - P13

ErgonoptiX Comfort

Lighter
weight reduction
35-40%

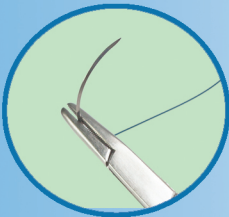
Smaller
size reduction
30-40%

Better
large focus field
200%



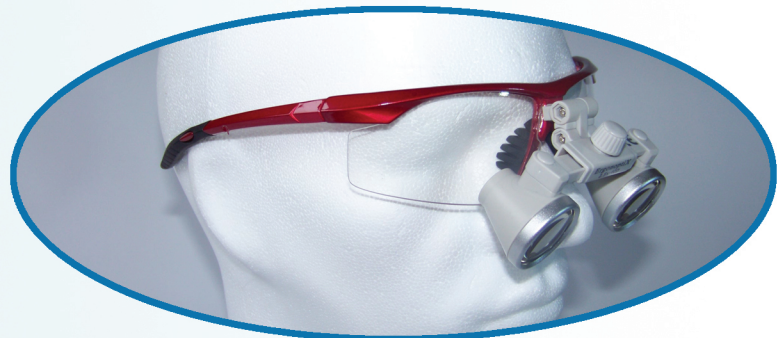
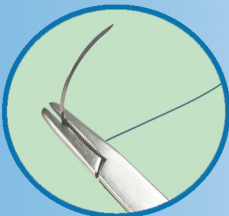
2.5x

ECMG	Power	Working Distance	Field of View	Depth of Field	Black - Grey
2.5X - RD	2.5x	30-50cm / 11.7-19.5"	100mm / 3,9"	200mm / 7.8"	30gr - 0.96 ounce
2.5X - LD	2.5x	40-60cm / 15.6-23.5"	100mm / 3,9"	200mm / 7.8"	30gr - 0.96 ounce



3.0x

ECMG	Power	Working Distance	Field of View	Depth of Field	Black - Grey
3.0X - SD	3.0x	24-44cm / 9.4-17.2"	125mm / 4.9"	200mm / 7.8"	33gr - 10.6 ounce
3.0X - RD	3.0x	30-50cm / 11.7-19.5"	125mm / 4.9"	200mm / 7.8"	33gr - 10.6 ounce
3.0X - LD	3.0x	40-60cm / 15.6-23.5"	125mm / 4.9"	200mm / 7.8"	33gr - 10.6 ounce
3.0X - XLD	3.0x	50-70cm / 19.5-27.3"	125mm / 4.9"	200mm / 7.8"	33gr - 10.6 ounce



ECMG

All Models	Adjustable viewing angle: 0 - 45°
All Models	Adjustable pupil distance
All Models	Available in: Black or Grey

micro Galilean Loupes

High resolution range of mini Galilean Dental & Surgical Loupes

ErgonoptiX micro Galilean loupes

Smaller & Lighter, yet Better then ever !

ErgonoptiX introduces the micro Galilean loupes, utilizing new high performance lens systems. While the micro loupes are significantly smaller, ErgonoptiX have managed to create an optical system which provide a crystal clear high resolution image with an enhanced field of vision, a wider and deeper focus field, and finally, a sharper image then older generation loupes.

Feather-light loupes, for longer working hours and reduced fatigue.

The extreme low weight of the micro loupes system is conducive to easier working days, with less complaints of tired eyes, reduced neck and shoulder strain, and nose bridge irritation.

- * **30-40% reduced weight:** as little as 30 grams
- * **30-40% reduction in size:** smallest loupes with a wide view
- * **Wide field of vision:** up to 125mm
- * **Extra deep focused field of view:** up to 200mm
- * **Maximum ease of use:** combined with multi-functional capabilities.
- * **Multi-coated precision lenses:** for superb clarity and reduced reflection.
- * **Fully adjustable:** viewing angle, pupil distance and flip-up function.

mini Loupes

- Carrying Case
- Removable Lens Covers
- Flip-Up Handle
- Side Shields (metal frames)
- Screwdriver
- Head Strap
- User Guide
- Micro-Fiber Cloth
- Calibration Target



Included Accessories



Metal Frame

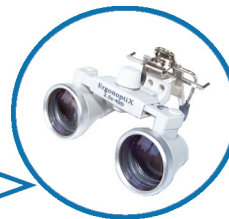


Safety Frame

Choice of Frame



Head-Band



Clip-On

Other Frames & options

For more frame options & colors, Head-bands, prescription lens inserts, and other accessories, see the accessories pages P12 - P13

ErgonoptiX micro TTL -

Light
only 30 grams
incl frame !

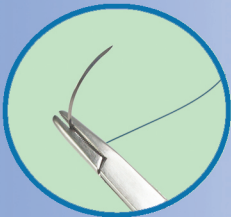
Small
no need for
extra parts

Easy
Just put them on
and you are ready



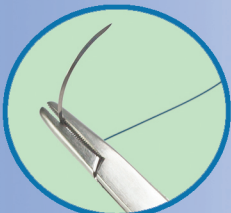
2.5x

ETG	Power	Working Distance	Field of View	Depth of Field	Weight
2.5X - RD	2.5x	30-50cm / 11.7-19.5"	100mm / 3,9"	200mm / 7.8"	30gr - 0.96 ounce
2.5X - LD	2.5x	40-60cm / 15.6-23.5"	100mm / 3,9"	200mm / 7.8"	30gr - 0.96 ounce



3.0x

ETG	Power	Working Distance	Field of View	Depth of Field	Weight
3.0X - SD	3.0x	24-44cm / 9.4-17.2"	125mm / 4.9"	200mm / 7.8"	33gr - 10.6 ounce
3.0X - RD	3.0x	30-50cm / 11.7-19.5"	125mm / 4.9"	200mm / 7.8"	33gr - 10.6 ounce
3.0X - LD	3.0x	40-60cm / 15.6-23.5"	125mm / 4.9"	200mm / 7.8"	33gr - 10.6 ounce
3.0X - XLD	3.0x	50-70cm / 19.5-27.3"	125mm / 4.9"	200mm / 7.8"	33gr - 10.6 ounce



ETG

All Models	Fixed viewing angle : 45°
All Models	Fixed Pupil distance - personalized
All Models	Available with IPD (pupil distance): 52 - 54 - 56 - 58 - 60 - 62 - 64 - 66 mm

Through The Lens Loupes

ErgonoptiX micro TTL (Through The Lens) Surgical Loupes, Designed for personal ergonomic comfort

An easy to use surgical loupe, just put it on and start working.
No adjustments (* personal IPD measurements needed during ordering)

Smaller & lighter than flip-up loupes

By removing the Flip-Up mechanism, and placing the loupes optics directly into the frames, ErgonoptiX micro TTL loupes achieve the lightest possible weight (30 grams for the entire set).

Providing a better view!

Positioning the loupes optics as close as possible to your eyes, ErgonoptiX micro TTL loupes provide an easier view, with a wider vision field and a crisp high definition image

Placing the optics exactly at your personal IPD (pupil distance), the micro TTL loupes are personally fitted to your needs and specifications so that they feel natural to use.

- * **Lightweight:** micro TTL Galilean type loupes. weigh as little as 30 grams (incl. frame)
- * **Maximum ease of use:** Simply put them (no adjustments needed)
- * **High resolution precision lenses:** for superb clarity and reduced reflection
- * **Deep focus field:** up to 200mm focus depth
- * **Personal:** Measured to fit you personally

Personal
fit

How to order personalized micro TTL loupes?

Ask your local optician to measure your IPD values (instructions for exact details can be provided)
Provide your IPD details when placing your order
Choose your frame color
You are done!

IPD
Measurement

- micro TTL Loupes & choice of frame
- Black Canvas Carrying Case
- Removable Lens Covers
- Head Strap
- User Guide
- Micro-Fiber Cloth
- Calibration Target



Included in
Basic Set

Grey



Red



Black



Choice of
Frame color

Prescription lens inserts available
Easy to insert with your personal prescription lens

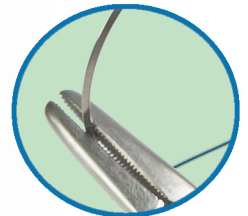
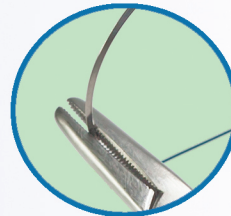
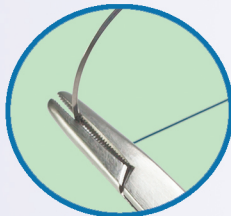
Prescription
insert

ErgonoptiX Comfort

Silver



Black



4.0x

ECMP	Power	Working Distance	Field of View	Depth of Field	Weight
4.0X - S	4x	340mm / 13,4 in	60mm / 2.4 in	40mm / 1.6 in	65gr / 2.3 ounce
4.0X - R	4x	420mm / 16.5 in	60mm / 2.4 in	40mm / 1.6 in	65gr / 2.3 ounce
4.0X - L	4x	500mm / 19,7 in	65mm / 2.6 in	40mm / 1.6 in	65gr / 2.3 ounce
4.0X - XL	4x	550mm / 21,7 in	70mm / 2.8 in	40mm / 1.6 in	65gr / 2.3 ounce

5.0x

ECP	Power	Working Distance	Field of View	Depth of Field	Weight
5.0X - S	5x	340mm / 13,4 in	40mm / 1.6 in	35mm / 1.4 in	84gr / 2.7 ounce
5.0X - R	5x	420mm / 16.5 in	45mm / 1.8 in	35mm / 1.4 in	84gr / 2.7 ounce
5.0X - L	5x	500mm / 19,7 in	50mm / 2 in	35mm / 1.4 in	84gr / 2.7 ounce
5.0X - XL	5x	550mm / 21,7 in	60mm / 2.4 in	35mm / 1.4 in	84gr / 2.7 ounce

6.0x

ECP	Power	Working Distance	Field of View	Depth of Field	Weight
5.0X - S	6x	340mm / 13,4 in	40mm / 1.6 in	25mm / 1 in	84.5gr / 2.7 ounce
5.0X - R	6x	420mm / 16.5 in	45mm / 1.8 in	25mm / 1 in	84.5gr / 2.7 ounce
5.0X - L	6x	500mm / 19,7 in	50mm / 2 in	25mm / 1 in	84.5gr / 2.7 ounce
5.0X - XL	6x	550mm / 21,7 in	55mm / 2.2 in	25mm / 1 in	84.5gr / 2.7 ounce

ECP & ECMP

All Models	Adjustable viewing angle: 0 - 45°
All Models	Adjustable pupil distance
All Models	Available in: Black or Silver

Prismatic Loupes

High Power Prismatic Loupes

ErgonoptiX Comfort Prismatic Loupes offer high power magnification **5.0x & 6.0x**

For the specialist who needs high accuracy and clear vision.

micro Prism 4.0x Loupes

Same 4.0x magnification as conventional 4.0x prismatic loupes but now significantly reduced in size & weight, and with all the advantages of lightweight Galilean loupes

25% Smaller (47mm compared to 60mm)
25% Lighter (65gr compared to 80.5gr)

High Power

micro Prism

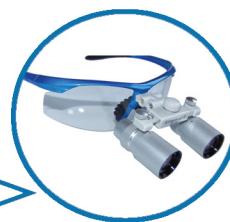
- Carrying Case
- Removable Lens Covers
- Side Shields (metal frames)
- Screwdriver
- Head Strap
- User Guide
- Micro-Fiber Cloth
- Calibration Target



Included in Basic Set



Metal Frame



Safety Frame

Choice of Frame



Head-Band



Clip-On

Other Options

For more frame options & colors, Head-bands, prescription lens inserts, and other accessories, see the accessories pages **P12 - P13**

Frames & Options For

Special Frames

4A-coating
 - Anti Scratch
 - Anti Fog
 - Anti UV
 - Anti Static

RX
 Prescription
 lens insert

RX-X
 for Flex Frames
RX-S
 for Sporty Frames



Titanium
 Silver



Fashion Safety Frame
 Black, Red



Flex Safety Frame 4A
 Black, Blue, Grey, Silver



RX-X - Prescription
 insert for Flex



Active Safety Frame
 Black, Blue, Grey, Red



RX-A - Prescription
 insert for Active

Other Accessories



Large case
 for Loupes with Light



Large case
 for Headband



Carrying case
 Hard Aluminium



Carrying case
 Black Canvas

All parts & accessories relating to ErgonoptiX loupes & headlights, incl side-shields, flip-up handle, lens covers, screws, etc. are also available for ordering and/or replacement.

Flip-Up Loupes



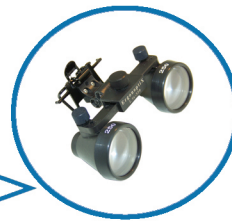
Metal Frame
Black



Metal Frame
Silver



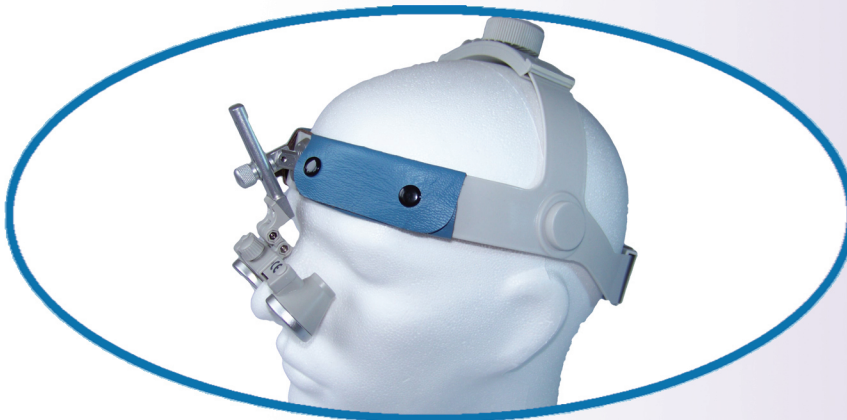
Rim (no lens)
Black, Blue, Red, Grey



Clip-On
Black, Silver

Basic Frames

Basic frame is included in basic set Price



Head-Band

When there is no need for safety frames or prescription lenses

The new **Rim** frame has no lens !
This design offers a way for flip-up loupes to be positioned as close as possible to your eyes. achieving a position similar to TTL loupes or even closer.

The result is an easier to see, larger image!



Rim Frame **NEW**

ErgonoptiX Comfort

D-Light

High Power - mini LED - surgical HeadLight Designed for optimal ergonomic comfort

Cool Light:

Especially developed for the medical professional, D-Light headlamps utilize an advanced cooling system ensuring the lamp does not get too hot to touch.

High power: 85.000 LUX

Feather-weight: only 5 gram

True color: 6000 K

Easy Positional adjustment: Multiple hinge mount system

Fully adjustable: Light intensity knob control

Slim model: High grade aluminum rechargeable power pack

Fully adjustable power level: 4 step indication

UV filter: Included for dental use, to avoid composite hardening



D-Light micro

Ultra Bright medical LED HeadLight

High Power LED Technology:

85.000 Lux

Long-Life Li-polymer Power Pack:

7-10 hours usage on one charge



D-Light micro-XL

Ultra Bright medical LED HeadLight

High Power LED Technology:

85.000 Lux

Extra Long action Li-polymer Power Pack:

10-15 hours usage on one charge



Surgical Head Lights

Portable Surgical HeadLight

D-Light headlights can be used on surgical loupes, using an easy Clip-On / Clip-Off system

All **D-Light models** come equipped with a standard loupe mount option.

Double-Hinged Mount: Allows maximum control & easy positioning.



D-Light
On Loupes

Galilean



Prismatic



universal



* Other mount parts also available for most other brands loupes.

The **D-Light HeadLight** is also a stand-alone HeadLight (no loupes required)

Available on all Ergonoptix frames and mounts, for example:

Head-Band



Frames



Clip-On



D-Light
Lamp-Only

D-Light Lamp part

- * Ultra bright LED: 3W, 85.000 LUX
- * Lamp Size : 21 x 16mm
- * Weight: 5 gram
- * Color Temperature: 6000K
- * LED life time: 6000 hours
- * Wire length: 40 - 90 - 130 cm

D-Light power pack

- * Work time: micro = 7-10 hours, micro-XL = 10-15 hours
- * Charging time: micro = 4-5 hours, micro-XL = 5-6 hours
- * Weight: micro = 107 grams, micro-XL = 177 gram
- * Size: micro = 90x60x14mm, micro-XL = 93x44x21mm
- * Power supply : 110/240V, (EU, UK, US, AU plugs available)



Technical
Specs

D-Light Duo Shadowless

Shadowless

The 1st & only mini Shadowless LED Surgical HeadLamp
“Every surgeon should have one”

Revolutionary features: line-of-sight lighting & 70% shadow reduction !

The D-Light Duo surgical headlamp was developed by ErgonoptiX especially for use during surgery, where a (True color) bright light, with minimized shadows is needed.

Where until now this could only be achieved by multiple overhead surgery lighting, for the first time, the D-Light Duo offers a comfortable, shadowless LED headlight.

Using a combination of 2 ultra-bright LED lamps on an ergonomically developed hinge system, the ErgonoptiX D-Light Duo is the Surgical Head-Light of the future.

D-Light Duo



On Loupes

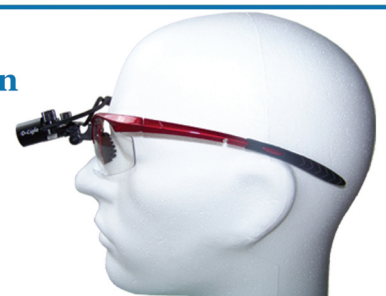
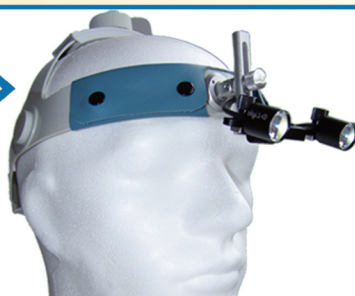
**Easy Clip-On connection
for surgical loupes**



Or

Lamp only

**Stand-Alone
lamp only version**



Surgical Head Lights

Utilizing a unique mount system:

A: Adjustable declination angle

Direct the light to your working area

A+: Flip-Up

Flip-Up the lamp out of sight if not needed

B: Adjustable Convergence angle

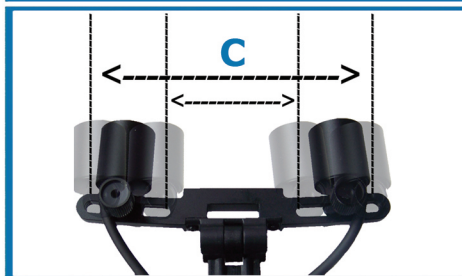
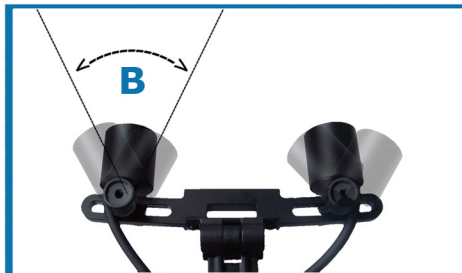
For working at different distances

C: Adjustable pupil distance

Position each individual ocular exactly above your eyes so the light is in your line-of-sight.

Where you look is where the light goes!

These adjustments, uniquely developed by ErgonoptiX for the D-Light Duo LED provide a highly accurate positioning of the individual LED lamps along your direct line-of-sight. This results in the best possible lighting of your work area



Unique system



2 x LEDs working as one !

- Line-of-sight lighting
- 70% shadow reduction
- Ultra bright (150K lux)
- Sharp Edge lit area
- Light weight (25 gr)
- Ergonomic comfort
- Easily adjustable
- Multi-user friendly

Dual LED

D-Light Duo Lamp part

- * **Ultra bright LED:** (2 x 3 =) 6W, 150.000 LUX
- * **Lamp Size :** each lamp 21 x 16mm
- * **Weight:** 25 gram including mount system
- * **Color Temperature:** 6000K
- * **LED life time:** 6000 hours
- * **Wire length:** 40 - 90 - 130 cm

D-Light power pack

- * **Work time:** 5-8 hours
- * **Charging time:** 5-6 hours
- * **Weight:** 177 gram
- * **Size:** 93x44x21mm
- * **Power supply :** 110/240V, (EU, UK, US, AU plugs available)



Technical Specs

ErgonoptiX Comfort

Purchasing new loupes

When purchasing new loupes, it is important that you choose the correct model in order to ensure you work in complete ergonomic harmony with your new loupes.

Assuming the correct working posture reduces eye strain, back / shoulder / neck tension, and the related stress-induced headaches.

Less known but no less important is the psychological impact:
Good ergonomics improve information processing and decision-making.

Which model do I need ?

The main factors to consider when choosing new loupe are:

- 1. Loupe Type** - Decide if you prefer Flip-Up or TTL loupes. Each type has it's advantages
- 2. Magnification** - Determine the appropriate magnification for your application
- 3. Working Distance** - Determine the best working distance for your personal needs
- 4. Mount Type** - Decide if you prefer Metal or Plastic Frames, a Head-band or a Clip-On
- 5. Frame Size** - The correct frame size will better stabilize the loupes
- 6. Field of view** (Width & Depth of field in focus) - A wider / deeper field is generally better
- 7. Weight Of The Loupes** - Lightweight loupes reduce long term strain
- 8. Prescription Lenses (Corrective Lenses)** - What if I need prescription lenses?

Loupe Type

1. Loupe Type:

Which loupe type fits your needs, your personal preference, and your budget?

The different ErgonoptiX Loupes types and models all have their advantages.

ErgonoptiX Comfort Flip-Up Loupes: The "regular" size flip-up loupes.
Easy to adjust and share with other users. The price is lower than the other types of loupes.

ErgonoptiX micro Flip-Up Loupes: micro size Flip-Up loupes.
More advances and higher quality optics, while smaller in size
Easy to adjust and share with other users, The price is the mid-range.

ErgonoptiX micro TTL: Through The Lens type micro loupes, offer a personalized fitting.
Light weight loupes made for your specific personal attributes.
can not be adjusted and not easy to share with other users
The price is the highest

Magnification

2. Magnification:

The level of magnification used is most often based on personal preferences. However, there are a few guidelines to help in choosing the best magnification for your specific needs.

Experience shows that the most commonly used / recommended magnification for loupes in different medical fields are as follows:

Dentistry:	General / Hygiene / Implantology	2.5x – 3.0x
Surgery:	Orthopedic / Cardio / Abdominal	2.5x – 3.5x
Dentistry:	Endo / Crown / Bridge	3.5x – 4.0x
Lab Work:	Technician	4.0x – 5.0x

Our general recommendation for beginners is: start with the lowest comfortable magnification level, as this would provide the widest field of view, and is easiest to get accustomed to.
As you get accustomed to working with loupes, you may decide to use higher magnifications.

Loupes Guide

3. Working distance:

The working distance refers to the distance between your eyes, and your work area.

You can measure your personal working distance by assuming your normal working position, making sure you are comfortable, that your back is straight and that you are not leaning forward too much (as most people tend to do).

You can also use the following table for general reference (based on our experience):

Height	<170 cm	170-190 cm	>190 cm
Sitting	340 mm	420 mm	500 mm
Standing	420 mm	500 mm	550 mm

4. Mount type:

Choose what kind of mount or frames you need or want

- Loupes on Frames: A wide variety of frames types and colors are available
- Loupes on Clip-On: Easy to use, not as stable for professional medical use.
- Loupes on a Headband: The choice of surgeons, best for long work days.

5. Frame Size:

The ErgonoptiX Protective Safety Frames are mostly "one size fits all", however, there is some size difference between the different models,

- Fashion Safety frames: size = Small-Medium
- Active Safety frames & Rim Frames: size = Medium
- Flex Safety frames: size = Medium - Large

The ErgonoptiX metal frames are available in 3 different sizes: Small, Medium & Large.

The most important dimension for determining frame size is the temple distance. Find a pair of glasses that fit you comfortably (your own, others, sunglasses?) and measure the temple distance along the inside of the frame. (Preferably use a similar style, straight frame). Compare those measurements to the ErgonoptiX frames (see chart below) and choose the frame size that is closest to your own measurements.

Frame sizes	Small	Medium	Large
Temple distance:	126 mm	131 mm	139 mm

6. Field Of View:

The the area that is in focus through the loupes. Wider and deeper is nearly always preferred.

The size of the field of view often changes with different working distance and magnification. Simply stated: Loupes with a longer working distance will have a larger field of view. Simply stated: Loupes with a lower magnification factor will have a larger field of view

With ErgonoptiX micro Galilean and micro TTL loupes this difference is minimal.

ErgonoptiX Loupes provide a large field of view (up to 125mm wide and 200mm deep).

7. The Weight Of The Loupes:

The weight of the loupes is an important factor, especially for a medical professional.

Lightweight loupes are more comfortable and will reduce tension and other mental and physical complications in the long term. Ultra lightweight loupes, offer maximal comfort and benefits.

ErgonoptiX Comfort Loupes utilize extremely lightweight materials. micro Galilean loupes weigh as little as 30 grams (excl. frame), ErgonoptiX micro TTL weigh only 30 grams including frame!.

8. Prescription Lenses:

The ErgonoptiX metal and Titanium frames or the special ErgonoptiX RX-A and RX-X inserts for safety frames can easily be fitted with normal prescription lenses by your local optician.

ErgonoptiX loupes are also available on a Clip-On or Headband, for use with your own glasses.

Working Distance

Mount Type

Frame Size

Field Of View

Weight

Prescription Lenses

Focus On Comfort

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