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 (decimation 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.

Tel: +31 (0)36 5363663
info@ergonoptix.com
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.

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

D-Light: High power, small size, portable LED surgical headlight
D-Light Duo: Next generation Shadowless Dual LED headlight

On Loupes  Lamp-Only  Duo

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## ErgonoptiX Comfort

### Grey

- **2.5x**
  - 2.5x - S: 2.5x / 340mm / 13.4 in, 90mm / 3.5 in, 80mm / 3.1 in, 42g - 48g
  - 2.5x - R: 2.5x / 420mm / 16.5 in, 100mm / 3.9 in, 90mm / 3.5 in, 42g - 48g
  - 2.5x - L: 2.5x / 500mm / 19.7 in, 110mm / 4.3 in, 110mm / 4.3 in, 42g - 48g
  - 2.5x - XL: 2.5x / 550mm / 21.7 in, 125mm / 4.9 in, 120mm / 4.7 in, 42g - 48g

- **3.0x**
  - 3.0x - S: 3.0x / 340mm / 13.4 in, 60mm / 2.4 in, 60mm / 2.4 in, 48g - 52g
  - 3.0x - R: 3.0x / 420mm / 16.5 in, 65mm / 2.6 in, 80mm / 3.1 in, 48g - 52g
  - 3.0x - L: 3.0x / 500mm / 19.7 in, 70mm / 2.8 in, 90mm / 3.5 in, 48g - 52g
  - 3.0x - XL: 3.0x / 550mm / 21.7 in, 75mm / 3 in, 100mm / 3.9 in, 40g - 48g

- **3.5x**
  - 3.5x - S: 3.5x / 340mm / 13.4 in, 55mm / 2.2 in, 50mm / 2 in, 52g - 55g
  - 3.5x - R: 3.5x / 420mm / 16.5 in, 60mm / 2.4 in, 55mm / 2.2 in, 52g - 55g
  - 3.5x - L: 3.5x / 500mm / 19.7 in, 65mm / 2.6 in, 60mm / 2.4 in, 52g - 55g
  - 3.5x - XL: 3.5x / 550mm / 21.7 in, 70mm / 2.8 in, 65mm / 2.6 in, 52g - 55g

### Black

### ECG

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

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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 loup.

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 loups 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 loups.
* 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.

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

Choice of Frame:
- Metal Frame
- Safety Frames

Other Options:
- Head-Band
- Clip-On

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

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Ergonoptix Comfort

- Lighter weight reduction 35-40%
- Smaller size reduction 30-40%
- Better large focus field 200%

2.5x

<table>
<thead>
<tr>
<th>ECMG</th>
<th>Power</th>
<th>Working Distance</th>
<th>Field of View</th>
<th>Depth of Field</th>
<th>Black - Grey</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5x - RD</td>
<td>2.5x</td>
<td>30-50cm / 11.7-19.5&quot;</td>
<td>100mm / 3.9&quot;</td>
<td>200mm / 7.8&quot;</td>
<td>30gr - 0.96 ounce</td>
</tr>
<tr>
<td>2.5x - LD</td>
<td>2.5x</td>
<td>40-60cm / 15.6-23.5&quot;</td>
<td>100mm / 3.9&quot;</td>
<td>200mm / 7.8&quot;</td>
<td>30gr - 0.96 ounce</td>
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</tbody>
</table>

3.0x

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<th>Black - Grey</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0x - SD</td>
<td>3.0x</td>
<td>24-44cm / 9.4-17.2&quot;</td>
<td>125mm / 4.9&quot;</td>
<td>200mm / 7.8&quot;</td>
<td>33gr - 10.6 ounce</td>
</tr>
<tr>
<td>3.0x - RD</td>
<td>3.0x</td>
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<td>200mm / 7.8&quot;</td>
<td>33gr - 10.6 ounce</td>
</tr>
<tr>
<td>3.0x - XLD</td>
<td>3.0x</td>
<td>50-70cm / 19.5-27.3&quot;</td>
<td>125mm / 4.9&quot;</td>
<td>200mm / 7.8&quot;</td>
<td>33gr - 10.6 ounce</td>
</tr>
</tbody>
</table>

**ECMG**

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

Tel: +31 (0)36 5363663 info@ergonoptix.com
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 than older generation loupes.

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

The extreme low weight of the micro loupe 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.

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

Choice of Frame
- Metal Frame
- Safety Frame

Other Frames & options
- Head-Band
- Clip-On

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

info@ergonoptix.com

WWW.ERGONOPTIX.COM
# 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

<table>
<thead>
<tr>
<th>ETG</th>
<th>Power</th>
<th>Working Distance</th>
<th>Field of View</th>
<th>Depth of Field</th>
<th>Weight</th>
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<tbody>
<tr>
<td>2.5X - RD</td>
<td>2.5x</td>
<td>30-50cm / 11.7-19.5&quot;</td>
<td>100mm / 3.9&quot;</td>
<td>200mm / 7.8&quot;</td>
<td>30gr - 0.96 ounce</td>
</tr>
<tr>
<td>2.5X - LD</td>
<td>2.5x</td>
<td>40-60cm / 15.6-23.5&quot;</td>
<td>100mm / 3.9&quot;</td>
<td>200mm / 7.8&quot;</td>
<td>30gr - 0.96 ounce</td>
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## 3.0x

<table>
<thead>
<tr>
<th>ETG</th>
<th>Power</th>
<th>Working Distance</th>
<th>Field of View</th>
<th>Depth of Field</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0X - SD</td>
<td>3.0x</td>
<td>24-44cm / 9.4-17.2&quot;</td>
<td>125mm / 4.9&quot;</td>
<td>200mm / 7.8&quot;</td>
<td>33gr - 1.06 ounce</td>
</tr>
<tr>
<td>3.0X - RD</td>
<td>3.0x</td>
<td>30-50cm / 11.7-19.3&quot;</td>
<td>125mm / 4.9&quot;</td>
<td>200mm / 7.8&quot;</td>
<td>33gr - 1.06 ounce</td>
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<td>3.0x</td>
<td>40-60cm / 15.6-23.5&quot;</td>
<td>125mm / 4.9&quot;</td>
<td>200mm / 7.8&quot;</td>
<td>33gr - 1.06 ounce</td>
</tr>
<tr>
<td>3.0X - XLD</td>
<td>3.0x</td>
<td>50-70cm / 19.5-27.3&quot;</td>
<td>125mm / 4.9&quot;</td>
<td>200mm / 7.8&quot;</td>
<td>33gr - 1.06 ounce</td>
</tr>
</tbody>
</table>

- **All Models**
  - Fixed viewing angle : 45°
  - Fixed Pupil distance - personalized

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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

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!

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

Choice of Frame color

Grey
Red
Black

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

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# ErgonoptiX Comfort

## Silver

## Black

### 4.0x

<table>
<thead>
<tr>
<th>Model</th>
<th>Power</th>
<th>Working Distance</th>
<th>Field of View</th>
<th>Depth of Field</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0X - S</td>
<td>4x</td>
<td>340mm / 13.4 in</td>
<td>60mm / 2.4 in</td>
<td>40mm / 1.6 in</td>
<td>65gr / 2.3 ounce</td>
</tr>
<tr>
<td>4.0X - R</td>
<td>4x</td>
<td>420mm / 16.5 in</td>
<td>60mm / 2.4 in</td>
<td>40mm / 1.6 in</td>
<td>65gr / 2.3 ounce</td>
</tr>
<tr>
<td>4.0X - L</td>
<td>4x</td>
<td>500mm / 19.7 in</td>
<td>65mm / 2.6 in</td>
<td>40mm / 1.6 in</td>
<td>65gr / 2.3 ounce</td>
</tr>
<tr>
<td>4.0X - XL</td>
<td>4x</td>
<td>550mm / 21.7 in</td>
<td>70mm / 2.8 in</td>
<td>40mm / 1.6 in</td>
<td>65gr / 2.3 ounce</td>
</tr>
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</table>

### 5.0x

<table>
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<tr>
<th>Model</th>
<th>Power</th>
<th>Working Distance</th>
<th>Field of View</th>
<th>Depth of Field</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.0X - S</td>
<td>5x</td>
<td>340mm / 13.4 in</td>
<td>40mm / 1.6 in</td>
<td>35mm / 1.4 in</td>
<td>84gr / 2.7 ounce</td>
</tr>
<tr>
<td>5.0X - R</td>
<td>5x</td>
<td>420mm / 16.5 in</td>
<td>45mm / 1.8 in</td>
<td>35mm / 1.4 in</td>
<td>84gr / 2.7 ounce</td>
</tr>
<tr>
<td>5.0X - L</td>
<td>5x</td>
<td>500mm / 19.7 in</td>
<td>50mm / 2 in</td>
<td>35mm / 1.4 in</td>
<td>84gr / 2.7 ounce</td>
</tr>
<tr>
<td>5.0X - XL</td>
<td>5x</td>
<td>550mm / 21.7 in</td>
<td>60mm / 2.4 in</td>
<td>35mm / 1.4 in</td>
<td>84gr / 2.7 ounce</td>
</tr>
</tbody>
</table>

### 6.0x

<table>
<thead>
<tr>
<th>Model</th>
<th>Power</th>
<th>Working Distance</th>
<th>Field of View</th>
<th>Depth of Field</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.0X - S</td>
<td>6x</td>
<td>340mm / 13.4 in</td>
<td>40mm / 1.6 in</td>
<td>25mm / 1 in</td>
<td>84.5gr / 2.7 ounce</td>
</tr>
<tr>
<td>6.0X - R</td>
<td>6x</td>
<td>420mm / 16.5 in</td>
<td>45mm / 1.8 in</td>
<td>25mm / 1 in</td>
<td>84.5gr / 2.7 ounce</td>
</tr>
<tr>
<td>6.0X - L</td>
<td>6x</td>
<td>500mm / 19.7 in</td>
<td>50mm / 2 in</td>
<td>25mm / 1 in</td>
<td>84.5gr / 2.7 ounce</td>
</tr>
<tr>
<td>6.0X - XL</td>
<td>6x</td>
<td>550mm / 21.7 in</td>
<td>55mm / 2.2 in</td>
<td>25mm / 1 in</td>
<td>84.5gr / 2.7 ounce</td>
</tr>
</tbody>
</table>

### ECP & ECMP

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

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**info@ergonoptix.com**
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)

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

Included in Basic Set

Choice of Frame

Other Options

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

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Frames & Options For

Special 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

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

RX
Prescription lens insert
RX-X for Flex Frames
RX-S for Sporty Frames

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.

www.ergonoptix.com/online-shop
Flip-Up Loupes

**Basic Frames**
- Basic frame is included in basic set Price

**Metal Frame**
- Black
- Silver

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

**Clip-On**
- Black, Silver

**Head-Band**

**Rim Frame**
- NEW

**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!

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**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

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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 louver mount option.

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

* 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 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 = 117 grams, micro-XL = 177 grams
- **Size:** micro = 90x60x14mm, micro-XL = 90x85x21mm
- **Power supply:** 110/240V, (EU, UK, US, AU plugs available)

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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.
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.

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

D-Light Duo Lamp part

- Ultra bright LED: (2 x 3 =) 6W, 150.000 LUX
- Lamp Size: each lamp 21 x 16mm
- Weight: 25 gramm including mount system
- Color Temperature: 6600K
- 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 gramm
- Size: 55x44x82mm

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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.

The main factors to consider when choosing new loupes are:

1. Loupe Type - Decide if you prefer Flip-Up or TTL loupes. Each type has its 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?

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 advanced 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. Lightweight loupes made for your specific personal attributes. Can not be adjusted and not easy to share with other users. The price is the highest.

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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Magnification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dentistry:</td>
<td>General / Hygiene / Implantology</td>
</tr>
<tr>
<td>Surgery:</td>
<td>Orthopedic / Cardio / Abdominal</td>
</tr>
<tr>
<td>Dentistry:</td>
<td>Endo / Crown / Bridge</td>
</tr>
<tr>
<td>Lab Work:</td>
<td>Technician</td>
</tr>
</tbody>
</table>

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.
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):

<table>
<thead>
<tr>
<th>Height</th>
<th>&lt;170 cm</th>
<th>170-190 cm</th>
<th>&gt;190 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sitting</td>
<td>340 mm</td>
<td>420 mm</td>
<td>500 mm</td>
</tr>
<tr>
<td>Standing</td>
<td>420 mm</td>
<td>500 mm</td>
<td>550 mm</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Frame sizes</th>
<th>Small</th>
<th>Medium</th>
<th>Large</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temple distance:</td>
<td>120 mm</td>
<td>131 mm</td>
<td>139 mm</td>
</tr>
</tbody>
</table>

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.

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