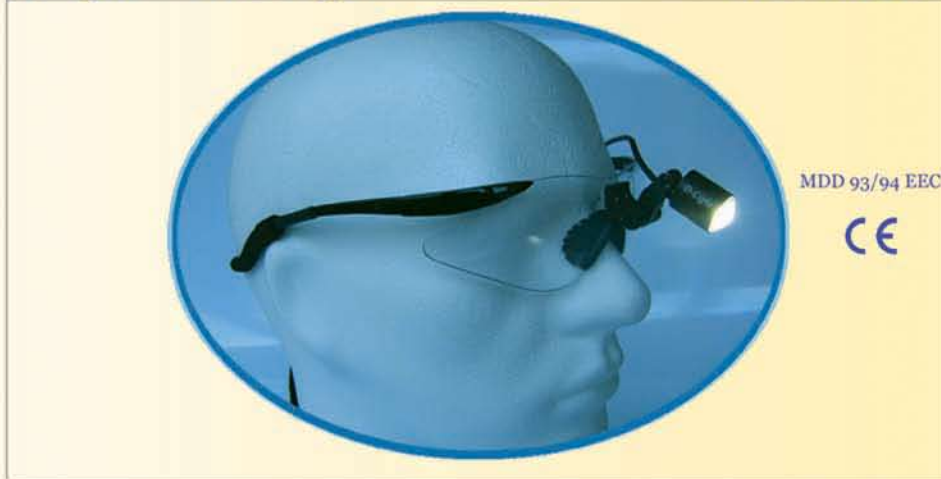


ErgonoptiX

Surgical Headlights

User Guide



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Congratulations on purchasing your ErgonoptiX LED surgical Headlight
Please read the guide and follow the instructions before using your headlight.

Preparation before wearing the Headlight (D-Light & D-Light Duo) :

D-Light Stand-Alone (lamp Only) :

Frames: Light is pre-assembled to your frames

Clip-On: Pre-assembled. Clip the light onto your existing frames

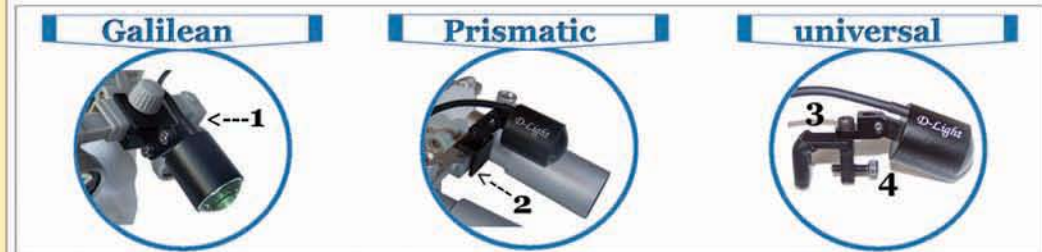
Headband: Connect the light to the headband mount

D-Light on Loupes :

Galilean and micro-Prism: - Clip the headlight onto the loupes using the easy Clip-On (1)

Prismatic: - Slide the headlight onto the loupes mount from above and tighten the screw (2)

Other brand: Connect the universal (3) or other provided connection part and tighten the screw (4)



Adjust the declination angle (A) of the light (= vertical direction):

Point the lamp in the general direction of your work area. If the hinge screws (5) are tight, first release them slightly using the provided allen key. Once the lamp is positioned tighten the double hinge screws a bit more.

Connect the wire to the power pack

- Connect the wires and plug into the LED connection port (9)
- Use the provided elastic bands (11) & wire binder (12) to connect the wire to your frames, so it is not in your way.

ATTENTION (For D-Light DUO only):

Do not use the D-Light Duo power pack with only 1 lamp connected as this will damage the LED lamp

Adjustments while wearing the headlight:

- Frames: Tighten the head strap (recommended if used with loupes).
- Headband: Adjust the headband to your head so it is stable.
- Turn the two adjustment knobs on the headband for adjustments
- Fasten the wire on your cloths using the wire clips (13)
- Fasten the power-pack in a comfortable location (belt, pocket, etc.)
- Turn the power on and set the brightness level (see instructions)
- Point the light in the exact direction of your work area
- If you are using loupes, this is the area you see through your loupes

Power and brightness control:

- Turn the power knob on (6) and adjust to the desired brightness
- Turning the knob further will result in higher brightness
- Turning the knob back will lower the brightness, then turn off
- There are 4 power level indicator LEDs indicating 25% - 50% - 75% - 100% power remaining
- Use the provided power supply to re-charge the power pack when needed by plugging to the indicated DC port
- The "Charging" LED (8) will change color to indicate a full charge



D-Light Duo : Additional Adjustments (for D-Light Duo only)

Connect the two lamp wires to the powerpack

Use the special adapter (wire splitter) to connect the 2 wires into 1 wire and choose the wire length you desire.

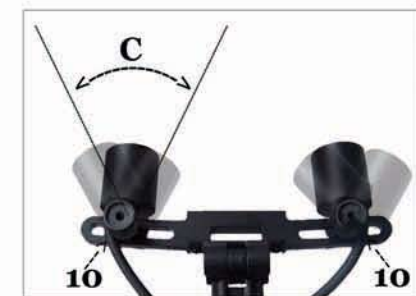
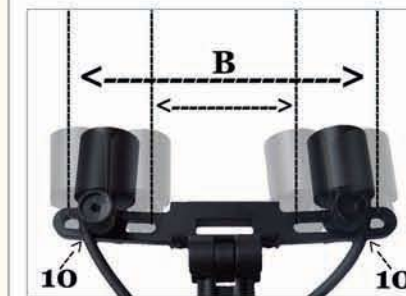
Adjust the pupil distance (B)

It is best to position each lamp exactly above your eyes so the light is in your line of sight

- Release the two adjustment knobs (10) slightly
- Gently slide the two lamps into horizontal position (B) so they are exactly above your pupils
- * it is easiest to have someone help you with this, or you can use a mirror
- * If you are using the light with loupes, position each lamp exactly over the loupes oculars (optics)

Adjust the Convergence angle (C)

- Direct the two lamps horizontally to the general direction of your work area
- With the lights on, adjust the lamps so the light is centered on your work area and produces a single lit area
- Once the lamps are positioned correctly, tighten the adjustment knobs (10)



Connecting and positioning the D-Light on a Headband

- A. Attach the lamp (1) to the sliding bar (2) with the screws provided.
- B. Remove the screw cover (3) from the headband mount (4).
- C. Place the bar onto the mount and partially tighten the screw cover
- D. Slide the vertical bar up or down into position. Now tighten it.



UV Filter

When using the headlight during dental procedures with composite material, a UV filter is needed.

To avoid composite hardening place the UV filter on the lamp. The UV filter can be flipped up or down as needed



Warranty

ErgonoptiX guarantees its products against defects in material and workmanship for a period of TWO (2) years from the date of purchase. During this time, ErgonoptiX will repair (or may decide to replace) free of charge any ErgonoptiX products which are defective. This guarantee does not apply if ErgonoptiX concludes the product has been damaged by accident, abuse, misuse or misapplication. If a claim under guarantee is investigated and found to be outside of the scope of the guarantee (i.e. other than material & workmanship defect or wilfully damaged products as stated above), or not within the two year guarantee period, the claimant will be billed the costs of such investigation and repair.

Liability

ErgonoptiX is not responsible for direct or indirect damages, whatever their cause. ErgonoptiX's liability will never exceed the amount paid for the product that was either directly or indirectly involved, as indicated by the ErgonoptiX invoice for the ErgonoptiX product. If you do not accept the warranty and liability terms stated above, please return the product in its original state (properly packaged) to ErgonoptiX immediately. ErgonoptiX will then refund the invoiced amount.

Adjusting the Frame

- Comfort is important. Make sure your frames are as comfortable as possible..
- Metal Frame: Adjust the nose-pads to fit your personal nose features.
Adjust the arms to fit your personal features.
- Flex Safety Frames: Two different size nose-pads are available.
- Your local optician can place prescription lenses into most ErgonoptiX frames and also generally help fit the frames (and loupes / headlight) to your personal features.

Included in your basic lamp set:

LED lamp (2x for D-Light Duo) with mount, connection part and wire with plug, Power pack, power supply with cable, Case (lamp only version), wire clips (2x), wire binder (1x), Allen key, UV filter

Handling and Cleaning

This is a sensitive precision-made optical instrument, please handle with care. The lenses and power pack can be damaged if they are hit or dropped.

Use lens cleaning solution on a microfiber cloth (provided) to remove debris or fingerprints. Disinfect by rubbing with a microfiber cloth moistened with disinfectant.

- Do not pull or twist or allow any damage to the wire
- Do not immerse your light in water, cleaning solution or sterilizing solution.
- Do not spray cleaner directly onto the light.
- Do not use products containing glutaraldehydes.
- Do not autoclave or chemiclave any part of your ErgonoptiX headlight.

Attention !: Avoid looking directly into the light

Maintenance and replacement parts

Please contact ErgonoptiX for any maintenance or replacement parts you need.