

Scope of delivery: **Power ready to go.**

The basic system includes the claros laser unit plus:

- claros step footswitch
- handpiece „Ergoflex plus“ surgical , including bending tool
- Fiber starter set
- ergo T therapeutic handpiece
- T8 therapeutic applicator
- 3 protective laser goggles
- Key cards for “All programs” and “Soft laser only”
- elexxion lite radio-controlled in-office warning light
- elexxion comfort working tray

Technical specifications:

Class 4 dental laser

AC input:	230 V / 50 Hz
Current rating:	1.5 A
Fuses:	2x 1.6 A T slow IEC 60127-2/III
Mode of operation:	Short-term operation; laser emission 2 min ON/1 min OFF
Protection class:	I – Type B applied part – IP X0
Electromagnetic compatibility:	Class A
Wavelength:	810 nm +/- 10 nm
Peak power:	50 W (or 30 W)
CW operation:	15 W (or 10 W)
Pulse rate:	CW - 20,000 Hz
Pulse duration:	2.5 µs - CW
Aimer beam:	635 nm +/- 5nm < 2 mW
Dimensions:	H 85 cm, W 45 cm, D 50 cm
Weight:	22 kg

CE 0535

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State-of-the-art diode lasers: **The new claros®**

Proven in everyday clinical practice. New user-optimized touchscreen monitor.



Rugged design for everyday use: **elexxion claros[®]**. Power and performance.

New touchscreen monitor: **User-optimized**

The most conspicuous element of the **claros** is its large new touchscreen, designed using expert input from experienced users. Pre-defined programs for every conceivable indication are now available “by touch”. The new software offers users a fine-grained and easily adjustable selection of power and performance settings to match any indication – which not only reduces the treatment time but also facilitates safer laser power dosage. And to top it all off, the **claros** supports the work of your team with its integrated fee calculator.

The handpiece **Ergoflex plus: True ergonomics**

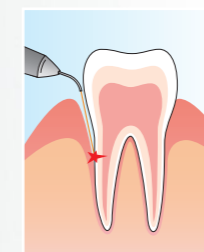
The autoclavable, ergonomically shaped handpiece offers you full control and complete safety. Ergo-flex means that you can use a single handpiece for all applications with customizable-length fiber-optic cables in four diameters. The entire application system with its sterilizable and reusable fibers meets the most recent guidelines of the German Robert Koch Institute (RKI).

Therapeutic laser feature: **Integrated**

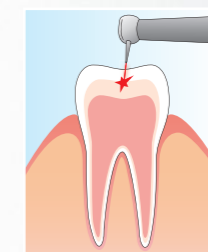
The integrated therapeutic laser feature expands the range of available applications and provides additional billing opportunities, because the office team is authorized to operate the laser device in this mode. A special therapeutic handpiece is already included.

Therapeutic variety meets performance: **elexxion claros[®]**

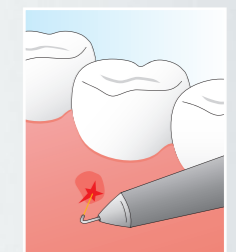
With up to 50 watts of power and a variable pulse frequency of up to 20,000 Hz, this diode laser is considered the fastest and most powerful dental laser currently available. The efficacy of the proven 810 nm wavelength has been demonstrated in numerous clinical studies. The low penetration depth of the diode laser protects the tissue from damage – exemplary safety in every respect. The laser produces top-notch results in oral surgery, endodontics, periodontics, implantology, and all therapeutic applications, including laser power bleaching.



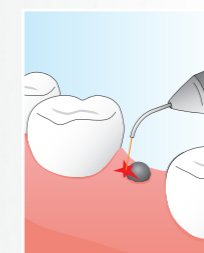
Periodontics



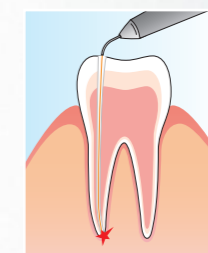
Therapeutic laser



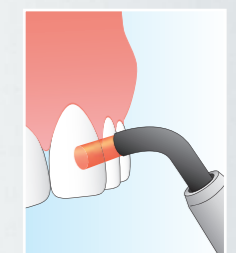
Oral surgery



Oral implantology



Endodontics



Laser bleaching

The laser pulse: **Patented technology**

The extremely short pulse duration of 2.5 μ s ensures that the tissue always has enough time to cool down between pulses. Thermal damage to the tissue is reduced to a bare minimum.