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CE 0051



TECHNICAL DATA

VALUE

Main power	Rechargeable batteries with power cable and 5V power supply when mounted on accessories.
Aperture Diameter	From 5 to 12 mm
Light source	UV-A 365nm
Dimensions (Height x Length x Depth)	182 x 55 x 62 mm
Device weight	450g
C-SL1 accessory weight (adapter for slit lamp)	110g
C-SL2 accessory weight (adapter for slit lamp)	170g
C-ST accessory weight, stand (optional)	1900g
Weight of the mains power supply	550g
Weight of the USB power cable	140g
Working distance between device and patient	36mm +/-5mm



ACCESSORIES



C-eye PROCEDURE KIT

Ribo-Ker includes a disposable 1.5 ml vial of 0.14% hypotonic riboflavin, suitable for epi-on and epi-off treatments, including lontophoresis. Disposable speculum and protective cap for the safety of the patient.

*The specifications and the images are not contractually binding and can be modified without notice. Windows® is a Microsoft Corporation trade mark.

SLIT LAMP MOUNT
For modern CXL: fits on most tower or compact style slit lamps

TABLE MOUNT
For classic CXL: table mount accessory available

INTEGRATED PROTOCOLS
Choose from a number of preset clinical protocols

RANGE OF INTENSITIES
Delivers 3, 9, 15, 18 and 30 mW/cm²

PULSED & CONTINUOUS LIGHT
For various keratoconus & infectious keratitis settings

THICKNESS-ADJUSTED PROFILE
Beam profile delivers more energy in the corneal periphery

SUPERIOR BATTERY TECHNOLOGY
Built to last for thousands of treatments





C-eye TREATMENT PROTOCOLS

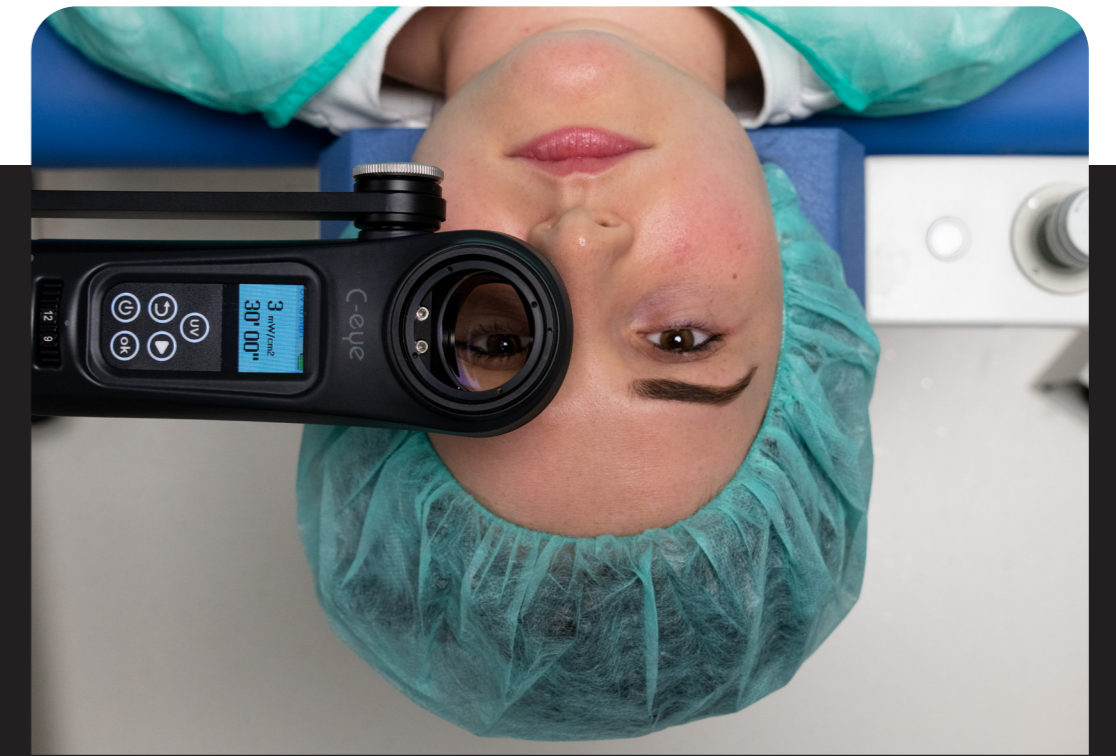
Many protocols for cross linking epi-on and epi-off treatment are available in the device, with continuous and pulsed UV irradiation. C-eye provides a differentiated UV irradiation profile, in order to compensate for the peripheral increase in corneal thickness.

SUB400 PROTOCOL

The sub400 protocol for thin and ultrathin corneas is integrated in the C-eye device. This protocol provides individualized fluence to the cornea, delivering the right amount of energy that will stabilize the cornea, avoiding excessive UV exposure.

REFRACTIVE PROTOCOL

A specific protocol is available for the treatment of patients who underwent LASIK, PRK or SMILE. It aims to improve the biomechanical strength in high-risk patients.



CROSS-LINKING AT THE SLIT LAMP



C-eye device combines a number of exciting features with the unique possibility of using CXL and PACK-CXL technology at the slit lamp.

When not in use, the C-eye device is securely placed onto its cradle for USB-C charging. The cradle also doubles as a UV meter, ensuring that the output of the UV-LED is calibrated and correct prior to treatment.

TREATMENT AT THE SLIT LAMP

The C-eye device can be used in the "modern way" at the slit lamp using the provided adapters, or it can be used the "classic" way in the laying position by mounting it onto the (optional) C-mount.

CXL & PACK-CXL TREATMENT

The C-eye is the most innovative device to perform corneal cross-linking procedures for ectasia (keratoconus, keratoglobus, PMD, postoperative ectasia), keratitis (PACK-CXL) and refractive (in combination with PRK, LASIK and SMILE) procedures.

Keratoconus		
3 mW/cm ² 30'00" min/sec Continuous 5.4 J/cm ²	9 mW/cm ² 10'00" min/sec Continuous 5.4 J/cm ²	18 mW/cm ² 5'00" min/sec Continuous 5.4 J/cm ²
9 mW/cm ² 13'12" min/sec Continuous 7.2 J/cm ²	15 mW/cm ² 12'00" min/sec Pulsed 5.4 J/cm ²	18 mW/cm ² 12'58" min/sec Pulsed 7.0 J/cm ²
30 mW/cm ² 8'00" min/sec Pulsed 7.2 J/cm ²	SUB 400 Set Corneal Thickness (µm)	
Keratitis		Refractive
30 mW/cm ² 4'00" min/sec Continuous 7.2 J/cm ²	30 mW/cm ² 5'33" min/sec Continuous 10 J/cm ²	30 mW/cm ² 1'30" min/sec Continuous 2.7 J/cm ²

CROSS-LINKING IN THE LAYING POSITION

