

LightLink-xl

CORNEAL CROSS-LINKING SYSTEM



Faster, Precise and
Customisable Treatment



LIGHTMED
Enlightening Vision

LightLink-CXL

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LightLink-CXL™ redefines approach to Corneal Cross-Linking Treatment. It is the most advanced and complete system of its kind, designed for unparalleled speed, and clinical versatility in optimum treatment of Keratoconus and other Corneal dysfunctions. Designed by laser experts from LightMed, the LightLink-CXL™ features unmatched laser-like safety, enhanced functionality complemented by unbeatable value.

Clinical Applications

Corneal Cross-Linking is increasingly renowned as the revolutionary treatment for many corneal disorders that may be indicated for:

- Keratoconus grades I and II
- Post-Lasik Ectasia
- Corneal melting
- Pellucid marginal degeneration
- Iatrogenic keratectasia. (ICR, CK, Ortho K)
- (Central island prevention)
- Extended PRK/EPI/LASEK

Fast, Multiple & Customisable Treatments

LightLink-CXL™ is capable of performing the traditional and rapid cross Linking treatments in as little as 3 minutes. Treatment efficacy is assured by built in protocols which maintain the same total energy of 5.4J/cm² as in traditional cross linking procedure. Treatment selections include :

- Standard: 30 minute Protocol
- Intermediate: 10 minute Protocol
- Accelerated: 5 minute Protocol
- Rapid: 3 minute Protocol
- Custom: Fully adjustable power and time settings
- Pulsed: Adjustable duration and interval

PANTOGRAPHIC ARM & GRIP HANDLES

- Precise Adjustment
- Convenient Handling

INTELLIGENT OPTI-ELECTRONICS

- Built in Video Camera
- Self Calibrating System
- Enhanced treatment safety

INCOMPARABLE SYSTEM INTERFACE

- Touch screen display
- Integrated protocols
- Video and photo record function
- Interactive menus
- Treatment optimisation functionality

MOST POWERFUL 0-30mW UV-A UNIT

- Unmatched efficiency
- Unmatched life span
- Unparalleled beam profile for treatment efficiency and safety
- Next-Gen Treatment possibilities

TREATMENT INSTRUMENT TRAY

- Space Saving
- Convenient Procedure

HEIGHT ADJUSTABLE

- Convenient adjustment

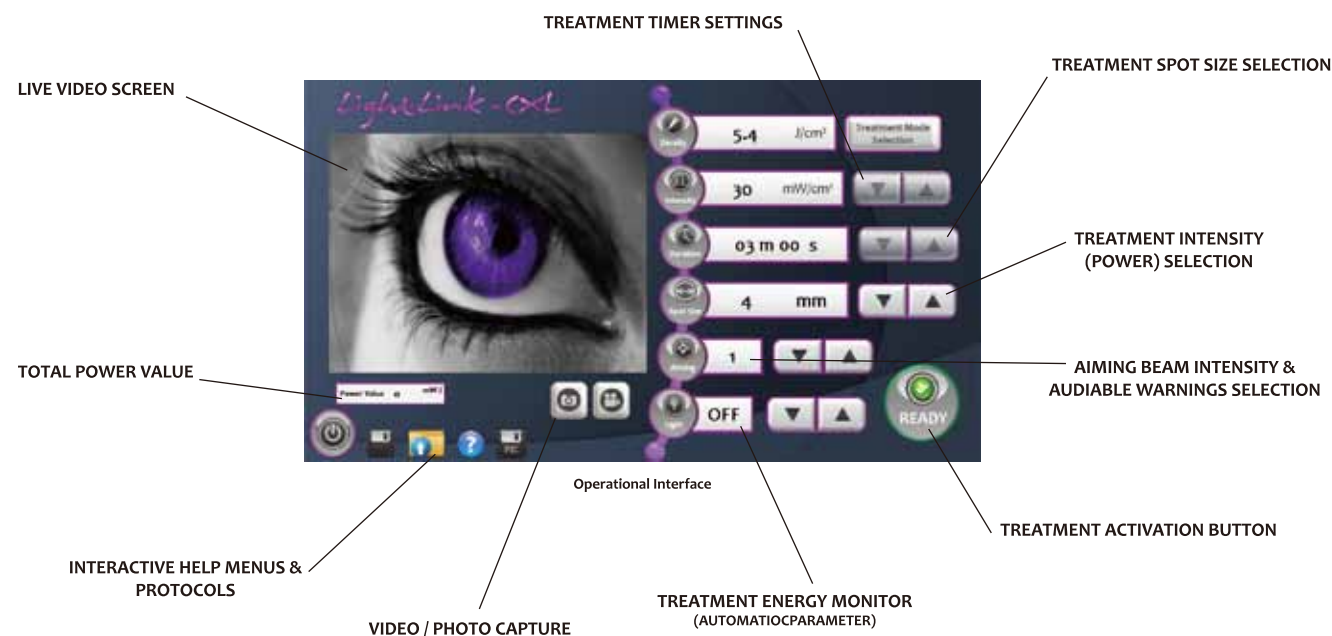
INTEGRATED STAND

- Easy Height Adjustment
- Enhanced Mobility

BATTERY BACKUP UNIT

- Convenience and Peace of mind
- Allowing treatment in most difficult conditions

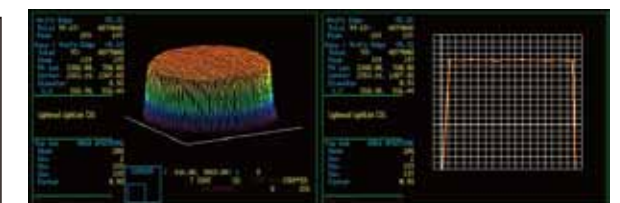
LightLink-CXL™



Safety, Precision and Convenience

Designed by the ophthalmic laser experts, the LightLink-CXL™ offers highly sophisticated technology and laser-like functionality for highest standards of safety and clinical effectiveness, complemented by convenient features.

- Built in Power Meter assures treatment precision and safety.
- Closed Loop Power feedback system eliminates the need for calibration
- Patient Fixation
- Key activated system
- Emergency Stop Switch
- Safety Interlock
- Ultra efficient quad LED Cluster System
- Twin Homogeniser optics for superbly profiled treatment beam



Beam Profile analyser image presents the superior homogenous profile of the LightLink-CXL

TECHNICAL SPECIFICATIONS	LightLink-CXL
UV LIGHT WAVELENGTH	365nm \pm 5nm
UV LIGHT SOURCE	Hi-Power UV-A LED Cluster System
MAX. POWER RANGE	Factory Limited 30mW/cm ²
IRRADIANCE	0.5mW/cm ² - 30mW/cm ² , Continuously Variable. Limited at total 5.4J/cm ² with built in protocols, and Custom override.
POWER MONITORING	Automatic: By integrated power monitor with feedback loop.
PULSE DURATION	Adjustable: 1s – 60min
PULSE FUNCTION	Adjustable Duration 1-10s Adjustable Interval 1-10s
OPERATING INTERFACE	11.6" Touch screen colour LCD with built in PC
CALIBRATION	Automatic: Through built in Power Meter and feedback loop.
INTEGRATED POWER METER	Yes
MAX. POWER OUTPUT ERROR	10%
SPOT SIZES	4-11mm Continuously Variable
TREAT. BEAM HOMOGENIZER	Ultra Efficient 4 LED Cluster System with twin homogenizer
WORKING DISTANCE	105mm
AIMING BEAM	Dual Red Diodes 670nm
AIMING BEAM POWER	Adjustable 0.1 – 1.0mW
VIDEO SYSTEM	Integrated Hi-Res Auto-Focussing Camera
FLOOR STAND	Integrated, height adjustable with pantographic arm
OPERATING VOLTAGE	90 - 240VAC, 50/60Hz Auto-ranging & Opt. 30min Backup Battery
DIMENSIONS	130cm (H) x 128 (W) x 40cm (L) At full system span
WEIGHT	48kg

NOTES: Specifications are subject to change without notice.

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Not for Sales in USA - Corneal collagen cross-linking is an investigational procedure in the US, and the medical device associated with this procedure is limited by Federal law to investigational use.

LightLink-CXL is manufactured to the international MDD safety and Laser Safety Standards: EN60601-1, EN60601-1-1, EN60601-1-2, EN60601-2-22, IEC60825-1, Rev: DCA66001

RIBOFLAVIN



LightMed Collagex™ redefines the term 'quality' and clinical efficiency. It is considered as purest and the most advanced Riboflavin composition in the market. Collagex™ is supplied in convenient Glass Applicator syringe and in sterile packaging; available in the following:



O collagex – ISOTONIC

Riboflavin 5-phosphate (0.1%) plus 20% Dextran T500 in 3ml syringe

World's most unique isotonic composition for standard cross linking approach. Helps to maintain or even slightly swell (up to 5%) the cornea.

O collagex – HYPOTONIC

Riboflavin 5-phosphate (0.1%) plus without in 1ml syringe

Indicated for use with thin corneas below (< 400 μ). Creating a corneal swelling effect by osmotic action.

O collagex – TE

Special Formulation Trans-Epithelial Riboflavin Solution in 1ml syringe

The Hypotonic Trans-Epithelial (TE) riboflavin solution assists in cross linking procedure eliminating the need to remove the corneal epithelial.

O collagex – RAPID

(0.1%) Riboflavin with HPMC Ultra Hi-Quality riboflavin solution indicated for accelerated CXL (3min – 15min) 400 μ m In 1ml glass syringe.

-In 3ml glass syringe applicator.

-Individually Packed in Sterile pouches.

O collagex – PLUS

(0.25%) Riboflavin

Ultra Hi-Quality riboflavin solution indicated for LasikPlus (immediate post LASIK) treatment

-In 1ml2 glass syringe applicator.

-Individually Packed in Sterile pouches.



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