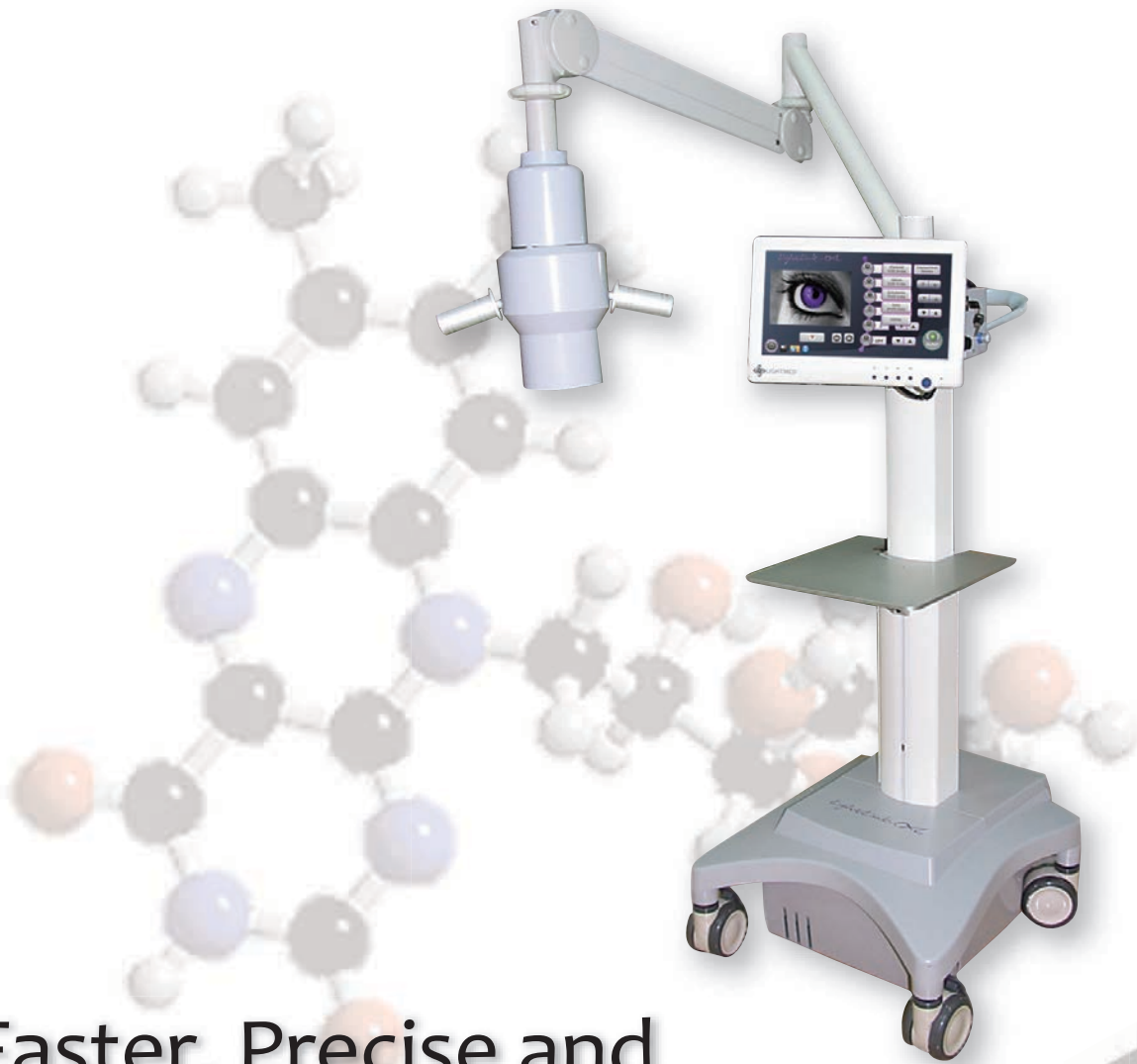


LightLink-xl

CORNEAL CROSS-LINKING SYSTEM



Faster, Precise and
Customisable Treatment



LIGHTMED
Enlightening Vision

LightLink-CXL

CORNEAL CROSS-LINKING SYSTEM

Faster, Precise and Customisable Treatment

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.



INTELLIGENT OPTI-ELECTRONICS

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

PANTOGRAPHIC ARM & GRIP HANDLES

- Precise Adjustment.
- Convenient Handling.

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.

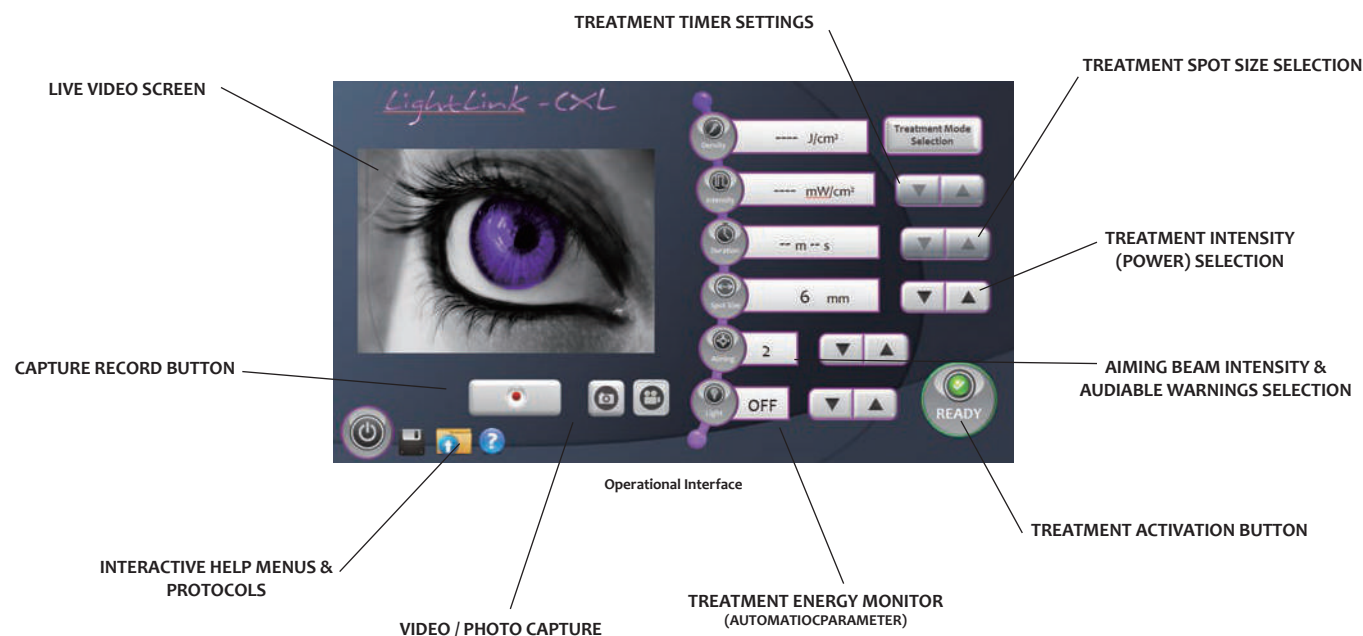
INTEGRATED STAND

- Easy Height Adjustment.
- Enhanced Mobility.

BATTERY BACKUP UNIT

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

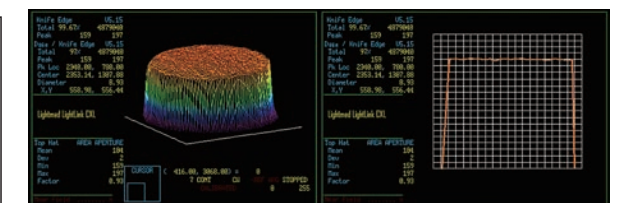
LightLink-CXL™



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
OPERATING INTERFACE	10.4" 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	5-11mm Continuously Variable
TREAT. BEAM HOMOGENIZER	Ultra Efficient 4 LED Cluster System with twin homogenizer
WORKING DISTANCE	55mm
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

RIBOFLAVIN

Riboflavin is the essential component of each corneal collagen cross - linking procedure. The Vitamin B2 contained within, acts as a blocking agent protecting the retina from harmful UV-A rays. Also when stimulated by the rays, it initiates molecular process of photopolymerization that significantly increases the biomechanical resistance corneal of the cornea.



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.

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, EN60601-1-1-2, EN60601-2-22, IEC60825-1, Rev: DCACX001



www.lightmed.com



LightMed Corporation

1030 CALLE CORDILLERA STE 101 | SAN CLEMENTE, CA 92673, U.S.A.
T: 1-949-218-9555 | F: 1-949-218-9556 | sales@lightmed.com