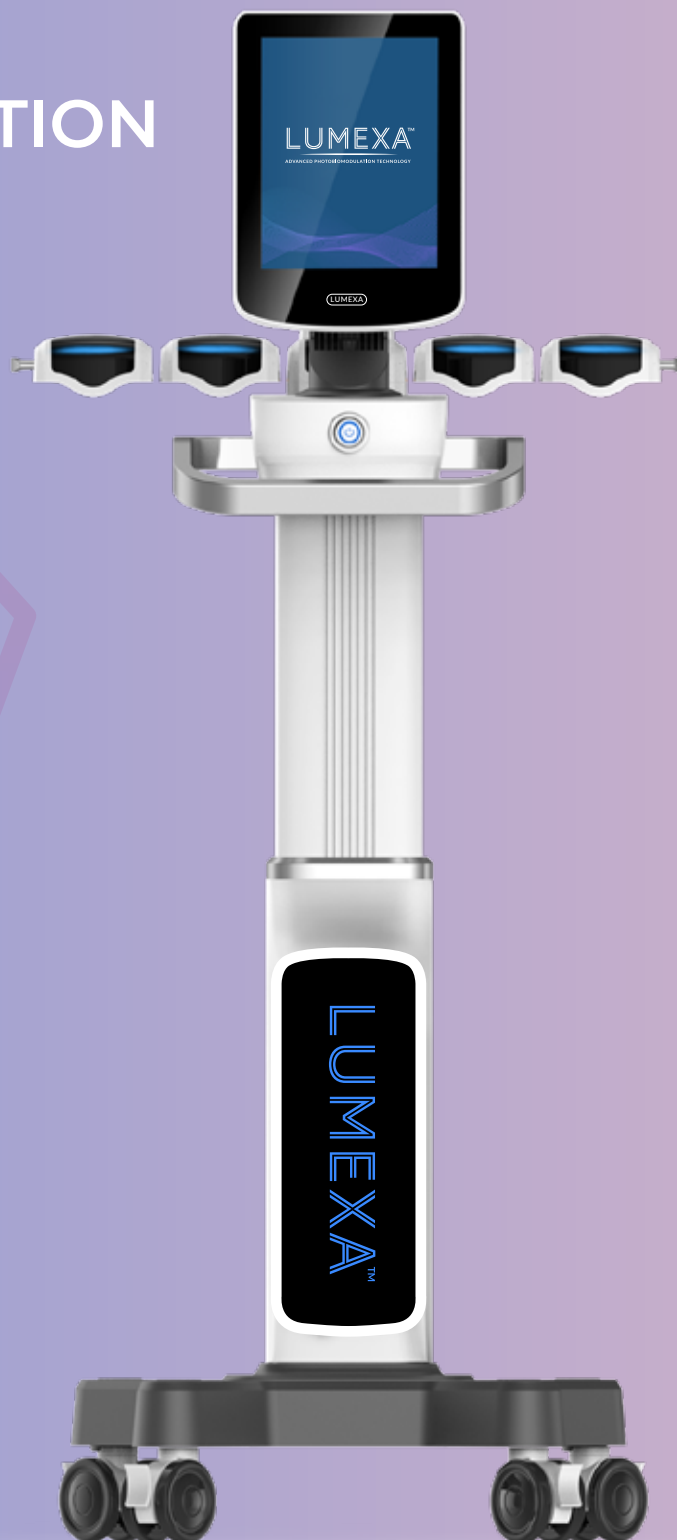


# LUMEXA™

ADVANCED  
PHOTOBIO-MODULATION  
TECHNOLOGY



LUMEXA™

CE FDA

EMPOWERING AESTHETICIANS WORLDWIDE

# THE STORY OF LUMEXA™

## Your Partner in Patient Care

Through years of dedicated work, extensive research, and continual development, we have amassed the knowledge and clinical expertise that shape the future of photobiomodulation, which we have brought to life in LUMEXA™ and its wide range of treatments..

## Our Commitment

It's no coincidence when we say LUMEXA™ is **“Designed for You, for Your Patients.”** It's a statement backed by thoughtful consideration and relentless effort, reflecting our commitment to your patients' well-being and the advancements we strive to achieve.



## LUMEXA™

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uses intense Red, Blue, Yellow and Infrared regions of the spectrum to emit energy to treat skin conditions.

**RED LIGHT** ( $633\pm 10\text{nm}$  wavelength) is generally indicated to treat superficial, benign vascular, and pigmented lesions.

**BLUE LIGHT** ( $417\pm 10\text{ nm}$  wavelength) is generally indicated to treat dermatological conditions and specifically indicated to treat moderate inflammatory acne vulgaris.

**YELLOW LIGHT** ( $599\pm 10\text{nm}$  wavelength) is generally indicated to treat dermatological conditions and specifically indicated for treatment of periorbital wrinkles and rhytides.

**INFRARED LIGHT** ( $835\pm 15\text{nm}$  wavelength) is generally used for the temporary relief of minor muscle and joint pain, arthritis and muscle spasm, relieving stiffness, promoting the relaxation of muscle tissue, and to temporarily increase local blood circulation where applied.

# WHAT IS LUMEXA™?

**LUMEXA™** is the first and only **FDA-Cleared** photobiomodulation device that utilizes Red, Blue, Yellow, or Infrared light to address skin conditions.

**LUMEXA™** offers five customizable treatments to minimize downtime post laser, chemical peels, micro-needling and to treat Acne, Rosacea and Eczema.

Photobiomodulation (PBM) describes the application of light at wavelengths ranging from 400 to 1100 nm to promote tissue healing, reduce inflammation, and induce analgesia. Emitted light energy is absorbed by cellular photoacceptors (chromophores), which are reported to mediate the biological effects of PBM.

## HOW IT WORKS.

**LUMEXA™** Treatment activates several key mechanisms that change the skin's biological pathways. Improving DNA, RNA synthesis, immune system, repairing skin, facilitating new cell growth, and producing new collagen and elastin cells.

**LUMEXA™** provides a versatile range of treatment modes, each tailored to address specific patient needs. These modes include **Thermal™**, **Detox™**, **Cellular Repair™**, **NeoXcell™**, and **RoXium™** treatments.







## AESTHETICIANS EXCLUSIVITY

Developed exclusively for Aestheticians to minimize downtime and reduce common issues, such as redness, swelling, and bruising post other procedures.

### **DISTINCTION AS A MEDICAL GRADE DEVICE**

Rigorously tested and validated, it guarantees unmatched reliability, effectiveness, and, most importantly, patient safety. Due to FDA restrictions, **LUMEXA™** holds the exclusive status of being available solely to medical professionals, underlining its premium and specialized nature.

**BENEFITS OF PHYSICIANS EXCLUSIVE DESIGN** The design of **LUMEXA™** is tailored to meet their unique requirements.

- **Advanced Technology:** LUMEXA™ employs cutting-edge **MEDICAL-GRADE SMD-LED** technology that requires **ZERO maintenance** and **ZERO consumables** for lifetime of 50,000 hours.
- **Customization Options:** The device offers five customizable treatment modes, enabling surgeons to adjust parameters based on individual patient needs.
- **Wavelength Selection:** LUMEXA™ provides a wide range of selectable wavelengths, allowing plastic surgeons to target various skin concerns with accuracy and effectiveness.
- **Intensity Control:** The device offers adjustable intensity levels, ensuring optimal treatment results while considering patient comfort and sensitivity.
- **Ergonomic Design:** LUMEXA™ is ergonomically designed to provide ease of use and enhance the surgeons ability to operate treatments efficiently. operate treatments efficiently.

# LUMEXA THERMAL™



**Lumexa Thermal™** Treatment uses intense Red Light therapy is used to boost cellular turnover, promoting a smoother and more youthful skin texture. It works by acting on the 'powerhouses' cells in your body cells called mitochondria. With increased energy, cells can perform their functions more efficiently, including repairing skin, facilitating new cell growth, producing new collagen and elastin cells. Stimulating cellular processes within the skin leads to various therapeutic benefits.

- Effective for Superficial Lesions
- Improved Collagen Production
- Improved Appearance
- Effective For Pigmented Lesions



# LUMEXA DETOX™



**Lumexa Detox™** Treatment targets moderate inflammatory acne vulgaris. Blue light therapy in this wavelength range has a unique ability to penetrate the skin and reach the sebaceous glands where acne-causing bacteria, particularly *Propionibacterium acnes*, thrive. Lumexa Detox™ Treatment reduces the presence of harmful bacteria on the skin surface. This is beneficial for minimizing the risk of infection and creating a healthy skin microflora. The Lumexa Detox™ Treatment also helps reduce inflammation by suppressing the immune response of the skin.

- Pre-operative Skin Preparation
- Destroys Acne Causing Bacteria
- Reduces Inflammation

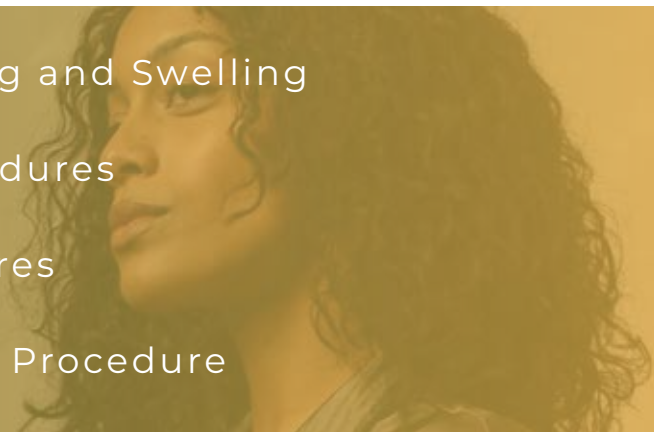


# LUMEXA CELLULAR REPAIR™



**Lumexa Cellular Repair™** Treatment uses intense Yellow Light therapy increases cellular growth and boosts immune system, the treatment stimulates cellular activity, promoting tissue repair and regeneration, thus expediting the healing process by encouraging the body's natural repair mechanisms. Cellular Repair™ Treatment offers significant benefits in reducing the appearance of scars, gradually making them less noticeable over time. It also aids in collagen production and tissue remodeling.

- Reduces Inflammation, Redness, Bruising and Swelling
- Reduces Down-time Post Surgical Procedures
- Reduces Down-time Post Laser Procedures
- Reduces Down-time Post Microneedling Procedure





# LUMEXA ROXIUM™



**Lumexa Roxium™** Treatment is combining Blue Light and Yellow Light therapy, RoXium™ actively reduces oxidative stress by promoting the body's natural antioxidant defenses, ultimately safeguarding cells from harm and enhancing overall cellular health.

## **CLEARER COMPLEXION**

As the lymphatic system becomes more efficient at removing impurities and waste, the skin may appear clearer and less prone to blemishes, such as acne or breakouts. A reduction in toxins can contribute to a healthier complexion.

## **REDUCING SEBACEOUS GLAND SECRETIONS**

The treatment will minimize the appearance of enlarged pores, which are often caused by excessive sebum production.

## **ENHANCED ABSORPTION OF SKINCARE PRODUCTS**

Excessive sebum on the skin can hinder the effectiveness of skincare products by forming a barrier. Lowering sebum production enhances the absorption of these products, making them more effective.

## **REDUCED OXIDATIVE STRESS**

Reduce oxidative stress by promoting the body's natural antioxidant defenses. This can help protect cells from damage and improve overall cellular health."

# LUMEXA NEOXCELL™



**Lumexa NeoXcell™** Treatment combines Red Light and Yellow Light therapy, NeoXcell™ ensures structural support, elasticity, and firmness, while also preventing pigmented lesions for a uniform complexion.

## **STIMULATED LYMPHATIC SYSTEM**

The treatment helps the lymphatic system eliminate waste and excess fluid more efficiently, reducing post-surgery fluid retention.

## **SUSTAINED POSITIVE CELLULAR ACTIVITY**

Including fibroblasts, secreting collagen proteins that help maintain the structural framework of tissues, aiding in efficient cellular repair and promoting more efficient and improved healing.

## **LONG-TERM SKIN REJUVENATION**

By targeting and encouraging more collagen synthesis and remodeling, that will provide structural support to the skin and helps maintain its elasticity and firmness.

## **PIGMENTED LESIONS PREVENTION**

By balancing melanin production, it will reduce the likelihood of hyper-pigmentation occurring after surgery. Resulting in progressive fading and a more uniform complexion.

## PRODUCT SPECIFICATIONS

Name:

**LUMEXA™ PHOTOBIO MODULATION**

Effective irradiation area:

**900cm<sup>2</sup>±10%**

Irradiation distance:

**6cm±1cm**

Irradiator has five panels each equipped:

**280 SMD-LED**

Display mode:

**LCD display**

110V powered, standard for any office

**100-240V, 50/60Hz**

Input power:

**600VA**

Fuse specification, model & rating:

**T8.0AL/250V Φ5\*20**

Dimensions:

**490mm x 470mm x 1370mm**

Weight:

**87 lbs / 39.5 kg**

Structure:

**wheeled**

Warranty:

**One year limited manufacturer**



## FEATURES

1400 Medical-Grade High Power SMD-LED Chips.

No Consumables or Maintenance for lifetime of 50,000 hours.

12.1" touch screen combined with humanized GUI design to make the operation more concise and smoother with the ability to rotate 90° horizontally & 30° vertically.

Multiple light sources combined in one treatment head.

Unique dose mode and radiation intensity calibration to ensure precision of the treatment.

Five programmable treatments settings allows saving customized times and doses.

AI intelligent temperature control system and high temperature automatic fuse for safer treatment.

Infrared sensor measurement to ensure accurate measurement of working distance.

Real-time display and early warning to ensure the accuracy of treatment.

Secondary optical design for the SMD-LEDs to make the Light Sources more balanced.

Live intensity detection function.



# LUMEXA™

ADVANCED PHOTOBIOMODULATION TECHNOLOGY

Diamond Business Center 2, Arjan - Barcha South

Office#109 - Dubai - UAE

[Sales@juventix-me.com](mailto:Sales@juventix-me.com)

[WWW.JUVENTIX-ME.COM](http://WWW.JUVENTIX-ME.COM)

**Prolinx GmbH**

Brehmstraße 56, 40239 Düsseldorf, Germany

