

TriLUX

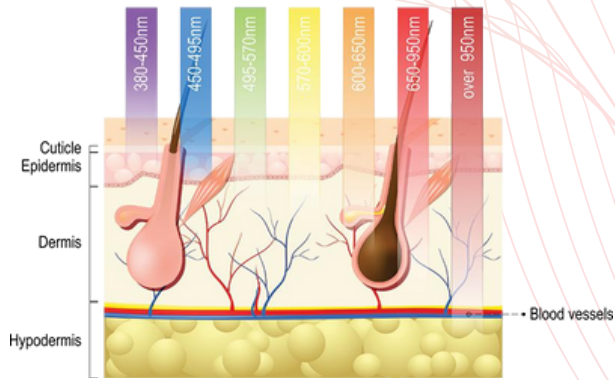


QuadLUX



Wavelengths

The QuadLUX & TriLUX devices provide a range of wavelengths, each offering unique benefits that can be utilised as standalone treatments or for addressing specific skin conditions. By combining wavelengths, comprehensive sessions can be created that cover a wide spectrum of skin improvement and personalised treatment programs.



417nm - Blue

Delivers potent antibacterial properties that effectively target and eliminate acne-causing bacteria, by converting porphyrins to oxygen molecules in order to reduce the severity of acne.



525nm - Green

Aids in superficial inflammation and lightening hyper-pigmentation and may benefit various skin concerns driven by inflammation such as rosacea, dilated capillaries, melasma and sunspots.



633nm - Red

Effectively penetrates all skin layers, delivering rejuvenation benefits by boosting adenosine triphosphate, stimulating collagen production, initiating cellular repair and promoting fibroblasts. Incorporating 633nm LED as a pre-treatment, is crucial for enhancing wound-healing, treatment outcomes and reducing downtime post-treatment.



850nm - Near Infra-Red*

Enhances cell permeability, allowing for improved nutrient absorption and waste elimination, thereby reducing inflammation. It also boosts cell metabolism, facilitating greater nutrient uptake and increased ATP synthesis, resulting in improved cellular function.

*Not included in the TriLUX LED.

Inclusions

Online Training: Delivered by TADLI, pre-recorded and self-paced.

LED Suitable Sheet Masks: 3 x 12 piece box of Skindividual CelluLUX Cellulose Gel Sheets Masks - Hydrating, Firming & Brightening. Instead of reflecting, CelluLUX Masks allow the full spectrum of beneficial LED light to penetrate, enhancing the effects of the light treatment.

Why Green (525nm) LED?

The 525nm wavelength has unique properties that make it an invaluable tool for various skin concerns. Green LED has been found to effectively target hyperpigmentation, sun damage and uneven skin tone, helping to reduce their appearance and promote a more balanced complexion.

Green LED has also been shown to effectively reduce redness and superficial inflammation, making it particularly suitable for conditions like rosacea or sensitive skin and an excellent choice for promoting post-treatment recovery and overall skin rejuvenation. Furthermore, its anti-inflammatory properties make it an effective option for reducing redness and swelling commonly associated with acne breakouts.

A study conducted by Fushimi et al. and published in *Wound Repair and Regeneration* (2012) investigated the effects of green LED light on wound healing. The study revealed that exposure to green LEDs specifically enhances the production of key cytokines involved in wound healing, including leptin, IL-8, and VEGF. These cytokines play crucial roles in various stages of the wound healing process, promoting inflammation regulation, angiogenesis (blood vessel formation), and tissue regeneration.

Furthermore, the study also demonstrated that both red and green LEDs significantly promoted the growth of HaCat keratinocytes, which are important cells involved in skin regeneration. These findings suggest that green LEDs not only have a positive impact on wound healing but also serve as a powerful therapeutic strategy when used in conjunction with red LEDs.

Incorporating green LED into treatments can provide clinics with a novel approach to enhance wound healing outcomes. By stimulating the production of cytokines and promoting the growth of key skin cells, green LED has the potential to accelerate the healing process, reduce inflammation, and promote tissue regeneration. The study by Fushimi et al. provides valuable insights into the molecular basis of these effects, further supporting the use of green LEDs as a beneficial tool in wound healing.



QuadLUX Features

Tailored Treatments & 10.4" Full Touch Screen

Select single or multi-wavelength combinations to address a wide spectrum of patient needs. Additionally, create custom timed treatment plans for interruption-free treatments.

Screen rotates left and right: 90° and up and down :30°



SMD (Surface Mount Device) LEDs

The cutting-edge, matrix light source boasts an impressive high-power configuration, offering enhanced irradiation intensity and an incredibly uniform light spot. SMD LEDs are brighter than COB LEDs, and the small size and strategic arrangement results in higher optical outputs. The remarkably even and strong light distribution to guarantee consistent and superior results.

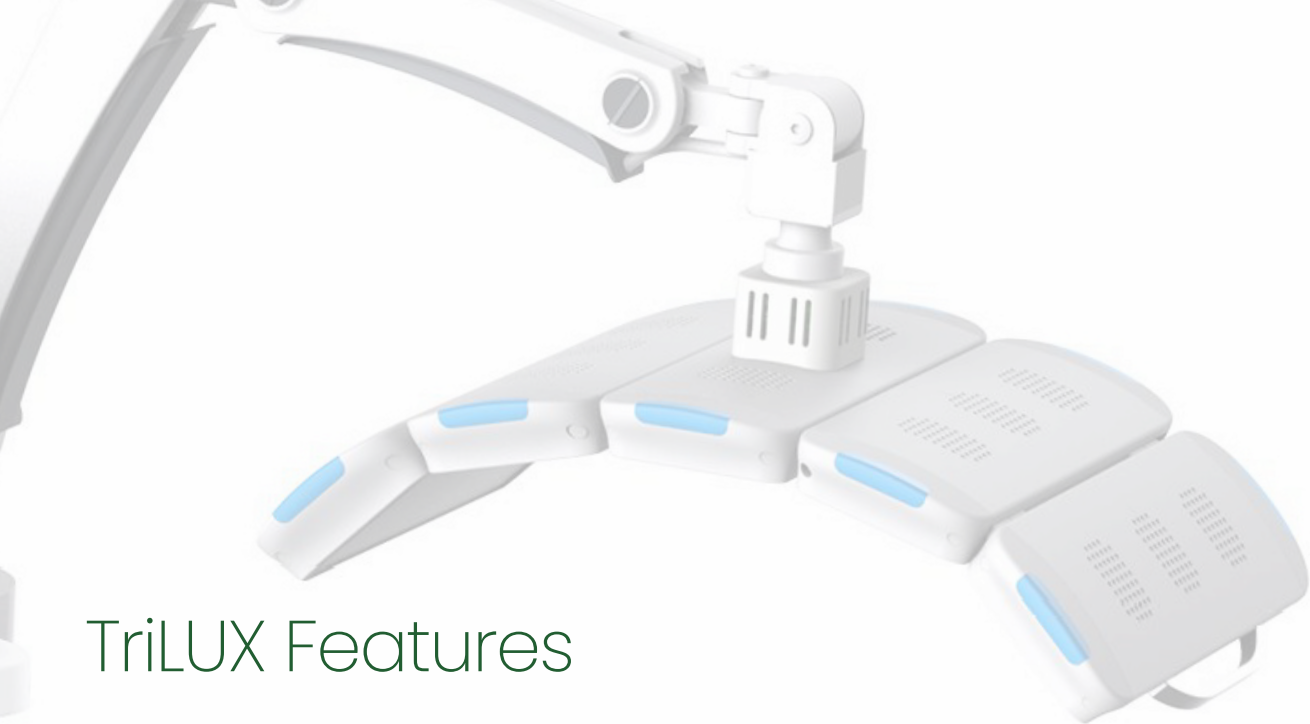
Intelligent Treatment Head

An integrated temperature control system provides enhanced safety during treatments, and the fully adjustable head enables versatile positioning and accommodates different areas of the body.



Maximum Return on Investment

The increased number of LEDs (1400) and strength of the SMD LEDs allows for a significantly decreased treatment duration, resulting in more treatments per day and a compelling ROI. Additionally, clients will be satisfied with a quick yet effective LED session.



TriLUX Features



Tailored Treatments & 8" Full Touch Screen

Select single or multi-wavelength combinations to address a wide spectrum of patient needs. Customise all settings, including 5 user defined protocols, enabling the customisation of treatment plans by time or dose, including pulsed output.

SMD (Surface Mount Device) LEDs

The cutting-edge, matrix light source boasts an impressive high-power configuration, offering enhanced irradiation intensity and an incredibly uniform light spot. SMD LEDs are brighter than COB LEDs, and the small size and strategic arrangement results in higher optical outputs. The remarkably even and strong light distribution to guarantee consistent and superior results.



Adjustable Treatment Head

The LED treatment head can be adjusted to provide curved contouring for face treatments or laid straight to a flat, open position to maximise a uniform body treatment.

Maximum Return on Investment

The number of LEDs (1100) and strength of the SMD LEDs allows for a significantly decreased treatment duration, resulting in more treatments per day and a compelling ROI. Additionally, clients will be satisfied with a quick yet effective LED session.



QuadLUX Specifications

Application	Suitable for the treatment of acne, superficial and deeper inflammation, and promote skin wound healing, by increasing ATP.
Dimensions (L×W×H)	490mm×470mm×1370mm (Treatment head: 630mm×320mm×140mm) Cantilever treatment head lifting distance: 80cm-125cm; cantilever length: 70cm; (calculated from the connector)
Package size (L×W×H)	Paper carton box: 1120*590*540mm
Weight	NW: 39.5kg (host 34.5kg, head 5kg); GW: 51kg;
Working voltage	AC100-240V 50Hz/60Hz±2%
Rated power	500VA
Working environment	TEMP: 5 ~ 40°C Transportation TEMP: -40 ~ 55°C RH: ≤85% and storage RH: ≤95% AP: 700 ~ 1060hpa environment AP: 500 ~ 1060hpa
Display screen	10.4" Color touch LCD display
Irradiation mode	Continuous irradiation, pulse irradiation
Pulse frequency	Pulse width: 250ms Duty ratio: 50% @ I gear: 2Hz; Pulse width: 100ms Duty ratio: 50% @ II gear: 5Hz; Pulse width: 50ms Duty ratio: 50% @ III gear: 10Hz;
Effective irradiation area	900cm ² ±10%
Irradiation distance	6cm±1cm
Output wavelength range	Red 633nm±10nm; Blue 417nm±10nm; Green 525nm±10nm; IR 850nm±10nm Difference:±10%
Real test effective irradiation	Red + Blue + Green light + IR: Red :53mW/cm ² ; Blue :56mW/cm ² ; Green :25mW/cm ²
Intensity	<u>Red+Blue+Green+Infrared:</u> Red :43mW/cm ² ; Blue :42mW/cm ² ; Green :20mW/cm ² ; Infrared:35mW/cm ²
LED quantity	1400pcs
Setting function	The device has: <ul style="list-style-type: none"> • Timer • Function of manually stopping the radiation output • Pulsating function • Preset function of treatment plan • Calibration function • Dose mode
Light source	Red, Blue, Infrared, Green
Product features	<ul style="list-style-type: none"> • High-power SMD matrix light source, with high arrangement density, higher irradiation intensity and more uniform light spot • Super-strong thermal materials to ensure reliability and stability • Set single light source, two light sources, and three light sources on the same treatment platform, and multiple wavelengths can be selected to meet the needs of clinical diversification programs • Free-throwing cantilever system fully takes into account the ergonomic requirements and facilitates the operation to the greatest extent possible to meet various clinical treatment environments • Adapt time/dose working mode and radiation intensity calibration system to ensure more accurate treatment dose • Pre-stored treatment plan, one-key selection, making the operation more convenient • Warm voice reminders bring a relaxing and comfortable treatment experience for patients • Double switch protection of button switch and power-on password • With temperature measurement function, real-time monitoring of the temperature of the irradiated part, warning of over-heating of to ensure the safety and reliability • Distance measurement function • The device has a temperature protection function. If the device over-heats, it will stop radiating

TriLUX Specifications

Dimension (L×W×H)	Treatment size: 565mm×296mm×37mm Lifting distance of treatment head: 80cm-125cm Cantilever length: 70cm; (From the connector) Screen Height: 122cm Base diameter: 56*61cm Hand grip Size: 45.5*29.5cm Hand Grip Height: 100cm
Package size (L×W×H)	Carton: 1030mm×660mm×540mm
Working voltage	AC100-240V 50Hz/60Hz±2%
Rated power	500VA
Display	8" inch color touch LCD display
Irradiation mode	Continuous irradiation, pulse irradiation
Impulse frequency	I grade: 2Hz, Pulse length: 250ms; II grade: 5Hz, Pulse length: 100ms; III grade: 10Hz, Pulse length: 50ms
Effective irradiation area	850cm ² ±10%
Irradiation distance	6cm± 1cm
Output wavelength range	Red light: 633nm±10nm; Blue light: 417nm±10nm; Yellow light: 590nm±10nm; Infrared: 850nm±10nm; Green light: 535nm±10nm
Effective irradiance	<u>Red+Blue+Green</u> : Red 35mW/cm ² ±20%; Blue 35mW/cm ² ±20%; Green: 20mW/cm ² ±20%; Work together 90mW/cm ² ±20%
LED Number	1100 pcs high intensity SMD LEDs
Timing function	☑ Timing function available
Product Characteristics	<ul style="list-style-type: none"> • High-power SMD matrix light source, with high arrangement density, higher irradiation intensity and more uniform light spot • Super-strong thermal materials to ensure reliability and stability • The free-throwing cantilever system design fully takes into account ergonomic requirements and facilitates operation to the greatest extent possible to meet various clinical treatment environments • Unique dose mode of operation and radiation intensity calibration to ensure more accurate treatment dose • Convenient one-click selection of system pre-installed treatments • Gentle voice reminder that treatment is finished • Key switch and power-on password double switch protection
Certification	Medical CE, FDA, ISO13485, ISO9001

Model Comparison

	TriLUX	QuadLUX
LEDs	1100pcs	1400pcs
Certification	Medical CE, TGA, ISO	Medical CE, TGA, ISO
Display Screen Size	8 inch full touch screen	10 inch full touch screen
Irradiation Area	850CM ²	915CM ²
Max Colours Per Head	3	4
Ability to Sequence Consecutive Colours	No	Yes
Overheat Reminder	No	Yes