

*Taking care of people, our masterpieces*

# Light EVO

Multiple Wavelengths  
for the Highest Challenges in Laser Applications





## LIGHT EVO

MULTIPLE WAVELENGTHS  
FOR THE HIGHEST CHALLENGES  
IN LASER APPLICATIONS

**Light EVO** has been developed to satisfy the needs of practitioners and clinics, to perform a wide range of dermatologic and aesthetic applications by using a single device, instead of purchasing different lasers.

The system can include different pulsed laser sources, such as **Alexandrite (755 nm)**, **Nd:YAG 1064 nm**, **Nd:YAG 532 nm** and **Nd:YAG 1320 nm** (optional).

The large variety of available handpieces, with different variable and fixed spot sizes, gives the possibility to perform quick and effective treatments by choosing the appropriate fluence.

The laser emission parameters can be easily set, allowing effective treatment of any skin type.

**Light EVO**, via the special Twain universal connector, can be upgraded with a **Er:YAG 2940 nm** and **IPL** handpieces enhancing the treatment flexibility and versatility.

Due to its modularity, **Light EVO** is ideal for a quick return of investment.



## LIGHT EVO CONFIGURATIONS

### LIGHT A

Pulsed **Alexandrite 755 nm**

#### Indications

- Permanent hair reduction\* of I-IV skin phototypes
- Benign pigmented lesions removal
- Dermatological vascular lesions

### LIGHT B

Pulsed **Nd:YAG 1064 nm**  
Pulsed **Nd:YAG 1320 nm** (OPTIONAL)

#### Indications

- Permanent hair reduction\* of every skin phototypes
- Dermatological vascular treatments
- Skin rejuvenation
- Inflammatory acne
- Dermatological foot conditions (skin and nails)

### LIGHT A STAR

This platform combines Light A and Light B performances

#### Indications

It operates at both 755 and 1064 nm, allowing the treatments as described for the Light A and B, respectively.

### LIGHT C

Pulsed **Nd:YAG 1064 nm**  
Pulsed **Nd:YAG 532 nm**  
Pulsed **Nd:YAG 1320 nm** (OPTIONAL)

#### Indications

In addition to the treatments performed by Light B, Light C is also indicated for:

- Scars treatment

### LIGHT 4 V

Pulsed **Alexandrite 755 nm**  
Pulsed **Nd:YAG 1064 nm**  
Pulsed **Nd:YAG 532 nm**  
Pulsed **Nd:YAG 1320 nm** (OPTIONAL)

#### Indications

Up to four wavelengths “all in one unit” for the maximum flexibility.  
A complete system which allows to perform all the treatments indicated for Light A, Light B and Light C.

\* Permanent hair reduction is defined as the long-term stable reduction in the number of hairs regrowing when measured at 6, 9, and 12 months after the completion of a treatment regimen.

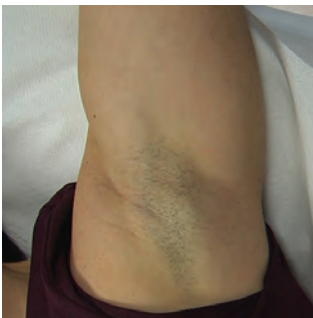
RESULTS  
BEFORE / AFTER



PERMANENT HAIR REDUCTION  
*Courtesy Emilio Bonizzoni MD*



DERMATOLOGICAL VASCULAR LESIONS



PERMANENT HAIR REDUCTION  
*Courtesy Emilio Bonizzoni MD*



DERMATOLOGICAL VASCULAR LESIONS  
*Courtesy Paolo Sbano MD*



DERMATOLOGICAL VASCULAR LESIONS  
*Courtesy Paolo Sbano MD*



DERMATOLOGICAL VASCULAR LESIONS  
*Courtesy Paolo Sbano MD*



BENIGN PIGMENTED LESIONS  
*Courtesy Emilio Bonizzoni MD*



SKIN REJUVENATION  
*Courtesy Ilaria Benetazzo MD*

## ACCESSORIES



### TWAIN CONNECTOR

Light EVO, through the special Twain universal connector, can be equipped with Twain 2940 and Twain IPL handpieces.

### Nd:YAG 1320

Optional for Light B, Light C and Light 4V. It is a Nd:YAG @ 1320 nm, very effective for non-ablative skin rejuvenation and for scars treatments.

### TWAIN 2940

Twain 2940 is a laser handpiece that fits to the Twain universal connector present on the Quanta System laser platforms. It has been designed to perform ablation procedures, both fractional and homogeneous.

The Er:YAG laser @ 2940 nm is able, through the variation of pulse parameters, to remove the layers of skin with minimal thermal damage or produce a higher coagulation suitable for the stimulation of collagen production.



**FRACTIONAL**  
skin resurfacing  
traumatic and acne scars  
epidermal dyschromia  
sun and age spots

**HOMOGENOUS**  
skin ablation  
full skin resurfacing

### TWAIN IPL

Light EVO can be equipped with Twain IPL handpieces. The contact skin cooling and the 6 range of wavelengths available, expand flexibility and versatility in the treatments.



permanent hair reduction  
benign pigmented lesions  
skin rejuvenation procedures  
dermatological vascular treatments  
active acne

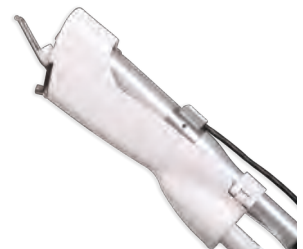
### Integrated Contact SKIN COOLER

The skin cooler is fully integrated into the system. In all treatment performed with pulsed lasers it ensures an effective thermal protection and increases the treatment comfort.



### SKINCRYO

It is an adapter that integrates the optics of pulsed laser with Zimmer air cooling. This handpiece ensures the best pain reduction when treating large areas.



# TECHNICAL SPECIFICATIONS

Laser	Nd:YAG Pulsed	FD Nd:YAG Pulsed	Alexandrite Pulsed
Wavelength (nm)	1064	532	755
Pulse width (ms)	0.3 ÷ 300*	2 ÷ 50	0.3 ÷ 300*
Burst mode	up to 3 pulses Ton and Toff selectable	N/A	up to 3 pulses Ton and Toff selectable
Beam delivery	optical fiber with detachable handpiece	optical fiber with detachable handpiece	optical fiber with detachable handpiece
Spot size (mm)	2 ÷ 16	2 to 6	6 ÷ 16
Max fluence (J/cm <sup>2</sup> )	500 (software limited)	95	120
Repetition rate (Hz)	up to 10	1	up to 10
Skin Cooling system	integrated skin cooler (optional) or air cooling handpiece adaptor (optional)		
Electrical requirements	3.7kVA, 200-240VAC; 50/60 Hz		
Dimensions and weight	530(W) x 1043 (D) x 1060 (H) mm <sup>3</sup> ; 150 Kg		
Notes	* the pulse-width range can change depending on repetition rate		

The certified model name is: Light

OPTION	Twain 2940	Twain IPL						Nd:YAG 1320 <sup>(2)</sup>
Source	Er:YAG	IPL handpieces						Nd:YAG
Wavelength (nm)	2940	650-1200	625-1200	590-1200	570-1200	550-1200	400-1200	1320
Pulse width (ms)	0.3 - 1	5 - 240						5 - 10
Spot size (mm)	2, 4, 9, fractional	48x13 mm <sup>2</sup> - 25x13 mm <sup>2</sup>						8 - 10
Max Fluence (J/cm <sup>2</sup> )	95	up to 25						up to 20 @ 8 mm
Repetition rate (Hz)	up to 6	0,5	0,5	0,5	0,5	0,5	0,5	up to 5

<sup>(2)</sup> Nd:YAG 1320 option available for Light A Star, Light B, Light C, Light 4 V

**VISIBLE AND INVISIBLE LASER RADIATION**  
 Avoid eye skin exposure to direct or scattered radiation  
 Laser product: Class 4  
 Aiming beam: Class 3R



*Note: National local authorities may put restrictions to the parameters indicated in the above table, or may limit or remove certain intended uses. Specifications are subject to change without notice.*

Quanta System products are manufactured according to the International standards and have been cleared by the most important International notified bodies. The Company is EN ISO 9001:2008 and EN ISO 13485:2012 certified. Quanta System S.p.A. was founded in 1985 and belongs to the EI. En. Group (a public company listed in the Star segment of the Italian Stock Exchange) since January 2004. The company, divided into three business units (medical, scientific and industrial) is specialized in manufacturing of laser and opto-electronic devices.



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