

Taking care of people, our masterpieces

Light Series

Multiple Wavelengths
for the Highest Challenges in Laser Applications





LIGHT SERIES

MULTIPLE WAVELENGTHS
FOR THE HIGHEST CHALLENGES
IN LASER APPLICATIONS

Light Series 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 laser sources, such as a **long pulsed Alexandrite** (755 nm), a **long and short pulsed Nd:YAG 1064 nm**, a **long pulsed Nd:YAG 532 nm** and **long pulsed 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 Series, 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 and flexibility, the **Light Series** is ideal for a quick return of investment.



CONFIGURATIONS

LIGHT A	LONG PULSED	ALEXANDRITE 755 nm
Permanent hair reduction of I-IV skin phototypes - Benign pigmented lesions removal		
LIGHT B	SHORT and LONG PULSED LONG PULSED	Nd:YAG 1064 nm Nd:YAG 1320 nm (OPTIONAL)
Permanent hair reduction of every skin phototypes - Dermatological vascular treatments - Facial skin treatments		
LIGHT A STAR	THIS PLATFORM COMBINES LIGHT A and LIGHT B PERFORMANCES	
It operates at both 755 and 1064 nm, allowing the treatments as described for the Light A and B, respectively.		
LIGHT C	SHORT and LONG PULSED LONG PULSED LONG PULSED	Nd:YAG 1064 nm Nd:YAG 532 nm Nd:YAG 1320 nm (OPTIONAL)
In addition to the treatments performed by Light B, Light C is also indicated for: Dermatological vascular lesions - Treatment of aged pigmented skin - Benign pigmented lesions		
LIGHT 4 V	SHORT and LONG PULSED SHORT and LONG PULSED LONG PULSED LONG PULSED	ALEXANDRITE 755 nm Nd:YAG 1064 nm Nd:YAG 532 nm Nd:YAG 1320 nm (OPTIONAL)
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.		
ULTRALIGHT	Q-SWITCHED SHORT and LONG PULSED LONG PULSED	Nd:YAG 1064 & 532 nm Nd:YAG 1064 nm Nd:YAG 532 nm
The only Nd:YAG laser system with 1064 + 532 nm, both Q-Switched and long pulsed, available on the market.		
In addition to the treatments performed by Light C, this system is also indicated for: Multicolored tattoo removal - Benign epidermal and dermal pigmented lesions removal.		

RESULTS
BEFORE / AFTER



PERMANENT HAIR REDUCTION
Courtesy Emilio Bonizzoni MD



BENIGN VASCULAR LESIONS



PERMANENT HAIR REDUCTION
Courtesy Emilio Bonizzoni MD



BENIGN VASCULAR LESIONS
Courtesy Paolo Sbano MD



BENIGN PIGMENTED LESIONS
Courtesy Matteo Tretti Clementoni MD



BENIGN VASCULAR LESIONS
Courtesy Paolo Sbano MD



BENIGN PIGMENTED LESIONS
Courtesy Emilio Bonizzoni MD



SKIN REJUVENATION
Courtesy Benetazzo MD

ACCESSORIES



TWAIN CONNECTOR

Light Series, 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 treatment of facial wrinkles.

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 Series, through the Twain universal connector, can be equipped with IPL handpieces to have more flexibility and versatility in the treatments.



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

Integrated Contact SKIN COOLER

The skin cooler is fully integrated into the system. In all treatments, performed with pulsed lasers, it ensures an efficient 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

MODEL	Light A	Light B		Light A Star			Light C		
Laser	Alexandrite	Nd:YAG		Nd:YAG			Nd:YAG		
Wavelength (nm)	755	1064 LP	1064 SP	755	1064 LP	1064 SP	1064 LP	1064 SP	532
Pulse width (ms)	2-100	2-100	0.3-1	2-100	2-100	0.3-1	2-100	0.3-1	up to 25
Repetition rate (Hz)	up to 2	up to 2	up to 7	up to 2	up to 2	up to 7	up to 2	up to 7	1
Spot size (mm)	up to 16	up to 14	up to 6	up to 16	up to 14	up to 6	up to 14	up to 6	up to 6
Max fluence (J/cm ²)	up to 123 @ 6 mm	>800 @ 2 mm	up to 30 @ 5 mm	up to 123 @ 6 mm	>800 @ 2 mm	up to 30 @ 5 mm	>800 @ 2 mm	up to 30 @ 5 mm	up to 95 @ 2 mm
Skin Cooler	contact or air integrated with the handpiece ⁽¹⁾								
Electrical requirements	230 Vac; 16A; 50/60 Hz								
Dimensions and weight	400(W) x 900 (D) x 930 (H) mm ³ ; 90 Kg								

⁽¹⁾ Optional

MODEL	Light 4 V				Ultralight				
Laser	Alexandrite	Nd:YAG			Nd:YAG			Q-Switched Nd:YAG	
Wavelength (nm)	755	1064 LP	1064 SP	532	1064 LP	1064 SP	532	1064	532
Pulse width (ms)	2-100	2-100	0.3-1	up to 25	2-100	0.3-1	up to 25	6 ns	6 ns
Repetition rate (Hz)	up to 2	up to 2	up to 7	1	up to 2	up to 7	1	up to 10	up to 10
Spot size (mm)	up to 16	up to 14	up to 6	up to 6	up to 14	up to 6	up to 6	up to 5x5	up to 5x5
Max fluence (J/cm ²)	up to 123 @ 6 mm	>800 @ 2 mm	up to 30 @ 5 mm	up to 95 @ 2 mm	>800 @ 2 mm	up to 30 @ 5 mm	up to 95 @ 2 mm	22 @ 2x2 mm	11 @ 2x2 mm
Skin Cooler	contact or air integrated with the handpiece ⁽¹⁾								
Electrical requirements	230 Vac; 16A; 50/60 Hz								
Dimensions and weight	400(W) x 900 (D) x 930 (H) mm ³ ; 90 Kg								

⁽¹⁾ Optional

OPTION	Twain 2940	Twain IPL						Nd:YAG 1320 ⁽²⁾
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 ² - 25x13 mm ²						8 - 10
Max Fluence (J/cm ²)	95	up to 30						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

⁽²⁾ 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 E.I. 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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