



IA
INNATE ABILITY

THE
AESTHETIC
AWARDS
2019 WINNER

LUXEA

The All-in-One Solution
for Limitless Possibilities

- Hair Removal
- Anti-Aging & Wrinkles
- Benign Pigmented Lesions
- Vascular Lesions
- Acne
- Cellulite
- Tattoo Removal
- Dermatologic Surgery
- Onychomycosis
- Meibomian Gland Dysfunction

DEKA
Innate Ability

A full range of
wavelengths at the
physician's fingertips



Luxea



A new light shines in the field of dermatology and aesthetic medicine.

DEKA introduces its latest multifunctional platform: Luxea! This complete, modular, upgradable and continuously expandable system comprises 11 pulsed light and laser handpieces offering a wide range of skin and beauty treatments.

“ Luxea is the ideal solution for clinics seeking to grow by gradually expanding their patient offering. An initial investment in latest-generation pulsed light handpieces, for example, provides a cutting-edge device capable of ensuring effective hair removal, treatment of vascular and pigmented skin lesions, and photorejuvenation. At any time, you can then add increasingly specialised handpieces, such as those targeting acne or wrinkles, or extend the range of treatments offered with new handpieces for removing tattoos or treating cellulite. Moreover, the combination of multiple technologies on a single patient often achieves the best results, to the satisfaction of everyone involved. ”

Paolo Bonan, M.D.
Head of Laser Dermatology & Plastic Surgery Unit
Villa Donatello Clinic – Florence, Italy



Luxea Revolution. What your Patients Want!

Technological innovation and long-standing experience result in a simple yet smart solution that offers endless possibilities. A wide range of safe and effective treatments, enclosed in a single system. A small initial investment that can be progressively expanded, through the modularity of Luxea, to respond quickly and effectively to new patient needs. The safety of DEKA, a reliable brand with over 30 years of experience in the field of laser skin care. A simple platform featuring user-friendly software, a database that guides the operator's choice of protocol, and Plug & Play handpieces.

All of this is the new Luxea revolution!



versatility



effectiveness



cost-effective



design



Luxea's PLUS

All-In-One Solution	A single, reliable platform that offers you limitless treatment possibilities in the field of aesthetic medicine and dermatology.
11	The number of Luxea handpieces available. A modular system with 5 pulsed light handpieces, 5 laser handpieces and 1 radiofrequency handpiece, all with Plug & Play connection, to respond promptly and effectively to patients' needs.
Over 18000	The number of protocols available for dermatology and aesthetic medicine.
Tele-service	Luxea is equipped with a remote maintenance system based on a safe certified server infrastructure and a tailored connection software. This allow a rapid telediagnosis besides an easy and quick update of the software.
Simple & User Friendly	DEKA's R&D team has given Luxea an ergonomic, attractive design featuring a compact structure with clean, modern lines. The simple, user-friendly software comes with a tutorial protocol to help operators perform the treatments properly, right from the start.
Superior Benefits	A rapid return on investment (ROI) and total patient satisfaction will increase your business!





Pulsed Light Handpieces. The Heart of Luxea

Drawing on its long-standing experience in this field, DEKA has developed a new generation of pulsed light handpieces, which differ as much in appearance as in substance, their strengths including:

- Greater power, for quicker, more effective treatment;
- Enhanced and optimised cooling, for greater safety and improved patient comfort;
- Lightness and improved ergonomics, for greater operator comfort.

A new family of FT handpieces catering to every need! The Lilac handpiece alone responds to most patient needs (single handpiece with interchangeable filters). The Viridis, Genus AX, Ruber and Lazur handpieces, instead, were developed specifically to target superficial vascular lesions, for hair removal in large areas, and to treat acne.





Innovation and Technology at the Service of Doctors and Patients Alike

Laser Handpieces. Small Size, Big Performance.

DEKA's engineering research has made it possible to miniaturise laser sources while ensuring high-performing treatment of vascular and pigmented skin lesions, ablative and non-ablative skin rejuvenation, tattoo removal, "in-motion" hair removal, and much more besides. Easy to handle and light in weight, the Luxea laser handpieces facilitate operation and reduce fatigue. The Sparks, Insight and Vivid handpieces with built-in cooling offer greater treatment safety and comfort, whilst guaranteeing excellent results. These handpieces make Luxea an all-in-one modular system, ensuring limitless possibilities of use!



RF Handpiece. Cellulite & Rejuvenation of Aged Skin.

The Setis handpiece alone comes with 5 different interchangeable tips with a built-in temperature sensor. This optimised system adapts to every patient's needs, treating the unsightly effects of cellulite and sagging skin.

**FT Pulsed
Light LUXEA
Handpieces**



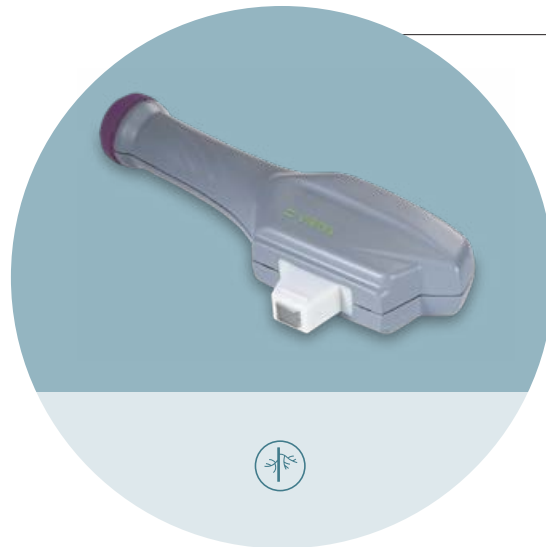


FT Pulsed Light Handpieces

LILAC

Cooled FT handpiece 48 mm x 13 mm with interchangeable filters (500/500G/550/650/SA)

Lilac FT Pulsed Light Handpiece - Technical Data	
Source	Xe Lamp
Spectrum of Emission	500-1200 nm (band pass); 500-1200 nm; 650-1200 nm; 800-1200nm.
Pulse Emission Mode	High Peak mode; Standard mode; Motion mode.
Pulse Duration	Single Pulse from 3 to 50 ms
Number of Pulses	Up to 3 (only for High Peak mode)
Delay between Pulses	From 5 to 50 ms (only for High Peak mode)
Pulse Repetition Frequency	6 Hz (max.)
Treatment Area	48 mm x 13 mm
Fluence	From 1 J/cm ² up to 25 J/cm ²
Skin Cooling	Integrated Sapphire Cooling. Temperature selectable from 5°C to 25°C



VIRIDIS

Cooled FT handpiece 15 mm x 13 mm with integrated filter 500G.

Viridis FT Pulsed Light Handpiece - Technical Data	
Source	Xe Lamp
Spectrum of Emission	500-1200 nm (band pass)
Pulse Duration	Single Pulse from 3 to 12 ms (step 1 ms) - High Peak mode
Number of Pulses	Up to 3
Delay between Pulses	From 5 to 50 ms
Pulse Repetition Frequency	1 Hz (max.)
Treatment Area	15 mm x 13 mm
Fluence	From 5 J/cm ² up to 25 J/cm ²
Skin Cooling	Integrated Sapphire Cooling. Temperature selectable from 5°C to 25°C



FT Pulsed Light Handpieces

LAZUR

Cooled FT handpiece 48 mm x 13 mm with integrated filter 400 nm.

Lazur FT Pulsed Light Handpiece - Technical Data

Source	Xe Lamp
Spectrum of Emission	400-1200 nm
Pulse Emission Mode	Short pulse mode; medium pulse mode; long pulse mode.
Pulse Duration	8 ms; 30 ms; 50 ms.
Pulse Repetition Frequency	3 Hz (max.)
Treatment Area	48 mm x 13 mm
Fluence	From 1 J/ cm ² up to 15 J/ cm ²
Skin Cooling	Integrated Sapphire Cooling. Temperature selectable from 5°C to 25°C



GENUS AX

Cooled FT handpiece 48 mm x 17 mm with integrated filter optimized at 755 nm.

Genus AX Pulsed Light Handpiece - Technical Data

Source	Xe Lamp
Spectrum of Emission	Optimized at 755 nm
Pulse Emission Mode	Standard mode; Motion mode.
Pulse Duration	Single Pulse from 8 to 50 ms
Pulse Repetition Frequency	10 Hz (max.)
Treatment Area	48 mm x 17 mm
Fluence	From 1 J/ cm ² up to 20 J/ cm ²
Skin Cooling	Integrated Sapphire Cooling. Temperature selectable from 15°C to 25°C



FT Pulsed Light Handpieces

= RUBER

Cooled FT handpiece 48 mm x 17 mm with integrated filter 550 nm.

Ruber FT Pulsed Light Handpiece - Technical Data

Source	Xe Lamp
Spectrum of Emission	550 - 1200 nm
Pulse Emission Mode	Standard mode; Motion mode.
Pulse Duration	Single Pulse from 8 to 50 ms
Pulse Repetition Frequency	10 Hz (max.)
Treatment Area	48 mm x 17 mm
Fluence	From 1 J/ cm ² up to 20 J/ cm ²
Skin Cooling	Integrated Sapphire Cooling. Temperature selectable from 15°C to 25°C



**Laser & RF
LUXEA
Handpieces**





Laser Handpieces

SPARKS

1064 nm Nd:YAG LP Laser with 2.5/4/6/10 mm spot sizes.

Sparks Nd:YAG Laser Handpiece - Technical Data

Source	Nd:YAG LP laser
Spectrum of Emission	1064 nm
Laser Power	30 W (max.)
Energy per Pulse	51 J (max.)
Pulse Emission Mode	Short mode; long mode; burst mode (2 pulses)
Pulse Duration	Single Pulse: 6 and 30 ms; burst: 45 ms.
Delay between Pulses	15 ms (only for burst mode)
Pulse Repetition Frequency	6 Hz (max.)
Fluence	From 5 J/cm ² up to 800 J/cm ²
Spot Sizes	2.5 mm; 4 mm; 6 mm; 10 mm.
Tip Cooling	OFF; from 5°C to 25°C



INSIGHT

1340 nm Nd:YAP Laser with 400 DOT/cm².

Insight Nd:YAP Laser Handpiece - Technical Data

Source	Nd:YAP laser
Spectrum of Emission	1340 nm
Laser Power	14 W (max.)
Energy per Pulse	7 J (max.)
DOT Density	400 DOT/cm ²
Pulse Duration	5 ms
Pulse Repetition Frequency	10 Hz (max.)
Fluence	From 2.5 J/cm ² up to 18 J/cm ²
Spot Size	7 mm
Tip Cooling	OFF; from 5°C to 25°C





Laser Handpieces

PRISMA

1064 nm & 532+1064 nm Q-switched Nd:YAG Laser with 2x2/3x3 mm spot sizes

Prisma QS Nd:YAG Laser Handpiece - Technical Data

Source	QS Nd:YAG laser
Spectrum of Emission	1064 nm 532+1064 nm
Laser Power	4W (max.)
Energy per Pulse	0.4J, 0.8 J
Pulse Emission Mode	Short mode; long mode (2 pulses).
Pulse Duration	Each single pulse: 6 ns.
Delay between Pulses	From 100 to 200 μ s (only for long mode)
Pulse Repetition Frequency	10 Hz (max.)
Fluence	From 4.5 J/ cm ² up to 20 J/ cm ²
Spot Sizes	2 x 2 mm; 3 x 3 mm



VIVID

810 nm Diode Laser with 10 x 12 mm spot size.

Vivid Diode Laser Handpiece - Technical Data

Source	Diode laser
Spectrum of Emission	810 nm
Laser Power	81 W (max.)
Energy per Pulse	52 J (max.)
Pulse Emission Mode	Motion mode; long mode (3 pulses)
Pulse Duration	Motion: 15 ms; long: 200 ms (total burst duration)
Pulse Repetition Frequency	10 Hz (max.)
Fluence	From 6 J/ cm ² up to 40 J/ cm ²
Spot Sizes	10 x 12 mm
Tip Cooling	OFF; from 15°C to 25°C



Laser & RF Handpieces

ERISE

2940 nm Er:YAG Laser with 2/4/9 mm spot sizes.

Erise Er:YAG Laser Handpiece – Technical Data

Source	Er:YAG laser
Spectrum of Emission	2940 nm
Laser Power	3 W (max.)
Energy per Pulse	879 mJ (max.)
Pulse Emission Mode	Short mode; long mode.
Pulse Duration	From 80 μ s up to 700 μ s
Pulse Repetition Frequency	10 Hz (max.)
Fluence	From 0.15 J/cm ² up to 28 J/cm ²
DOT Density	40 DOT/cm ² (only for 9 mm fractional spot size)
Spot Sizes	2 mm; 4 mm; 9 mm; 9 mm fractional.



SETIS

Multipip RF handpiece with 5 interchangeable tips.









Setis RF Handpiece – Technical Data

Source	Radiofrequency
Frequency	1 MHz
Power	50 W (max.)
Interchangeable Tips	Hexapolar (3-50 W); Large (3-50 W); Medium (3-35 W); Small (3-20 W); Very Small (3-5 W)





Cross-Reference Table: Luxea's Handpieces Main Applications

Handpieces Applications	 Hair Removal	 Anti-Aging & Wrinkles	 Benign Pigmented Lesions	 Vascular Lesions	 Acne	 Cellulite	 Tattoo Removal	 Other Applications
LILAC 500-1200nm (band pass) 500-1200nm, 550-1200nm 650-1200nm, 800-1200nm
VIRIDIS 500-1200nm (band pass)				...				
GENUS AX optimized at 755nm					
RUBER 550-1200nm					
LAZUR 400-1200nm					...			
S P A R K S 1064nm
INSIGHT 1340nm				
PRISMA 532nm/1064nm			
ERISE 2940nm	
VIVID 810nm			
SETIS 1MHz			



Luxea Treatments: Effective, Safe, Comfortable



Leg telangiectasias treated with Sparks Nd:YAG LP laser handpiece.
Courtesy of Prof. G. Cannarozzo M.D - University of Rome Tor Vergata, Rome, Italy.



Active acne treated with Lazur PL handpiece. Photos taken using QUANTIFICARE 3D software.
Courtesy of D. Piccolo M.D - Avezzano (AQ), Italy



Acne scars treated with Insight Nd:YAP laser handpiece.
Courtesy of M. Sannino M.D - Naples, Italy.



Age spots treated with Lilac PL handpiece.
Courtesy of Prof. G. Cannarozzo M.D - University of Rome Tor Vergata, Rome, Italy.



Rosacea treated with Viridis PL handpiece.
Courtesy of P. Campolmi M.D - Florence, Italy.



Keratosis treated with Erise Er:YAG laser handpiece.
Courtesy of Prof. G. Cannarozzo M.D - University of Rome Tor Vergata, Rome, Italy.

Technical Data

LUXEA General Specifications	
Source	Modular and upgradable lasers and pulsed light platform
FT Handpieces	6.2 cm ² – 500/500G/550/650/SA (Standard multi-applications) 2.0 cm ² – integrated filter 500G (Vascular) 8.2 cm ² – integrated filter optimized at 755 (HR) 8.2 cm ² – integrated filter 550 (HR) 6.2 cm ² – integrated filter 400 (Acne)
Laser Handpieces	LP Nd:YAG - 1064 nm – 51 J – spot 2.5 mm / 4 mm / 6 mm / 10 mm Nd:YAP - 1340 nm – 7 J – 400 DOT/cm ² QS Nd:YAG - 1064 nm; 532 nm + 1064 nm – 6+6 ns Diode - 810 nm – 10x12 mm Er:YAG - 2940 nm – spot 2 mm / 4 mm / 9 mm / 9 mm fractional – 40 DOT/ cm ²
RF Handpiece	1 MHz – Hexapolar (3-50 W); Large (3-50 W); Medium (3-35 W); Small (3-20 W); Very Small (3-10 W)
Graphical User Interface (GUI)	10.4" Colour Display Touch Screen
Data Base	Integrated tutorial with more than 18,000 treatment protocols
Emission Control	Fingerswitch or footswitch
Dimensions	40 (W) cm x 110 (H) cm x 77 (D) cm with metal pole and with handpiece holders
Weight	85 kg
Electrical Requirements	115-240 Vac; 50-60 Hz; 2300 VA

CAUTION - Visible and invisible laser radiation. Avoid eye or skin exposure to direct or scattered radiation. Class 4 laser product.



This brochure is not intended for the market of USA.

DEKA
Innate Ability

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LUXEA

Dealer stamp



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DEKA Innate Ability

A spin-off of the El.En. Group, DEKA is a world-class leader in the design and manufacture of lasers and light sources for applications in the medical field. DEKA markets its devices in more than 80 countries throughout an extensive network of international distributors as well as direct offices in Italy, France, Japan and USA. DEKA manufactures laser devices in compliance with the specifications of Directive 93/42/EEC and its quality assurance system is in accordance with the ISO 9001 and ISO 13485 standards.

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