

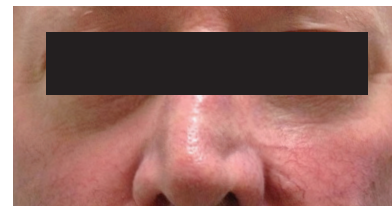
Think Outside the Eye. Treat Skin and Eyelid Inflammation.

Do your patients suffer from dry, itchy, red or burning eyes? This may be caused by skin and eyelid inflammation that affects their eye condition.

Lumenis invites you to think outside the eye and to offer your patients a solution to their skin related problems.



Baseline



After 4 months



After 6 months

Courtesy of Dr. Rob Noecker, MD

“Although rosacea is predominantly a skin condition, it often leads to eyelid and ocular surface inflammation, which can then trigger meibomian gland dysfunction (MGD), the major cause of dry eye disease (DED)”¹ (Ronald N. Gaster, MD)

1. Ronald N. Gaster, MD, The Association Between Rosacea and Ocular Surface Disease, Introducing Intense Pulsed Light for Medical and Aesthetic Applications in the Ophthalmic Practice, Cat. & Refract. Surg. Today, March 2016.

Technical Parameters of Lumenis M22™

System Specifications

Dimensions [without ResurFX]	44 x 50.5 x 47 cm (17 x 20 x 18.5 inches)
Dimensions [with ResurFX]	44 x 50.5 x 61.5 cm (17 X 20 X 24 inches)
Weight [without ResurFX]	40 kg / 88 lbs
Weight [with ResurFX]	55 kg / 121 lbs
Electrical requirements	100 – 240 VAC ±10%, 15A max., 50/60 Hz, single phase, dedicated line

Universal IPL

Spectrum	400-1200 nm
ExpertFilters	Acne (400-600 & 800-1200); 515 nm; Vascular (530-650 & 900-1200); 560 nm; 590 nm; 615 nm; 640 nm; 695 nm; 755 nm
Fluence	10-56 J/cm ²
Pulse Duration	4-20 ms
Pulse Delay	5-150 ms
Pulse Characteristic	Multiple Sequential Pulsing
Repetition Rate	Up to 1 Hz
Spot Size	35 x 15 mm ² ; 15 x 8 mm ² , 6mm
Cooling	Continuous contact cooling

ResurFX™

Wavelength	1565 nm
Pulse Energy	10-70 mJ per micro-beam
Pulse Characteristic	CoolScan™ Scanner
Pattern Shapes	Line, square, rectangle, circle, donut, hexagon
Beam Density	Up to 500 micro-beams/cm ²
Repetition Rate	0.5-2 Hz
Tip	Sapphire; Precision
Spot Size	Up to 18 mm
Cooling	Continuous contact cooling

Multi-Spot™ Nd:YAG

Wavelength	1064 nm
Fluence	10-600 J/cm ²
Pulse Duration	2-20 ms
Pulse Delay	5-100 ms
Pulse Characteristic	Multiple Sequential Pulsing
Repetition Rate	Up to 1 Hz
Spot Size	6 mm; 2 x 4 mm ² ; 9 mm 1.5 mm
Cooling	Continuous contact cooling Pre contact cooling

Q-Switched Nd:YAG

Wavelength	1064 nm
Fluence	0.9-14 J/cm ²
Pulse Duration	6-8 nsec
Pulse Characteristic	Top-Hat
Repetition Rate	0.5-5.0 Hz
Spot Size	2; 2.5; 3.5; 4; 5; 6 and 8 mm

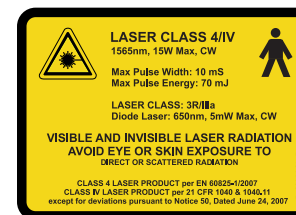
Lumenis, its logo, M22, OPT, Multiple-Sequential Pulsing, ExpertFilters, SapphireCool lightguides, ResurFX and CoolScan are trademarks or registered trademarks of the Lumenis Group of Companies. Specifications are subject to change without notice. Lumenis is ISO 13485:2012 certified. M22 is CE approved. M22 is FDA cleared. M22 is CE approved and FDA cleared only for skin indications, and is under clinical trials for MGD/DED.

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Lumenis®
Energy to Eye Care



M22™
Think Outside the Eye

IPL with OPT™

Lumenis®
Energy to Eye Care

Think Outside the Eye

Skin and eyelid inflammation affects millions of Americans every year.

Over 85% of skin and eyelid inflammation patients also suffer from inflammatory ocular conditions, such as Meibomian Gland Dysfunction (MGD), blepharitis, eyelid inflammation and eyelid telangiectasia².

Lumenis invites you to think outside the eye and offer your patients a solution to their skin related problems with M22™.

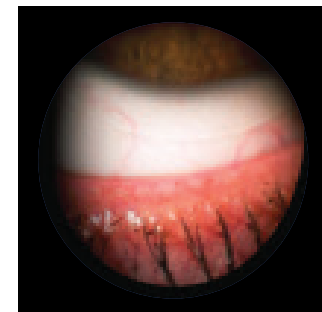
M22™ combines Intense Pulsed Light (IPL) with unique Optimal Pulse Technology (OPT™), and is FDA cleared for 20 different skin indications, including rosacea and other skin inflammatory conditions³.

IPL: An Excellent Technology for Treating Skin and Eyelid Inflammation

Inflammatory skin diseases are characterized by the formation of vascular abnormalities, which release inflammatory agents. When occurring in proximity to the eyes, these mediators propagate via the orbital vasculature to the eyelids, often resulting in inflammation of the eyelids and triggering ocular complications.

IPL is an excellent technology for treating vascular skin lesions. IPL is selectively absorbed in the hemoglobin of abnormal blood vessels, and destroys them by thrombosis. A major source of inflammation threatening the eyelids is then removed.

Baseline



4 Months Post Treatment



Courtesy of Dr. Rolando Toyos, MD

2. Viso E, Millán AC, and Rodríguez-Ares MT, Rosacea-associated meibomian gland dysfunction - an epidemiological perspective, Eur Ophthalmol Rev, 2014; 8(1):13-16.
 3. Weinkle AP, Doktor V, Emer J., Update on the Management of Rosacea, Clin Cosmet Investig Dermatol, 2015; 8:159-77.

“Many of the patients who received IPL with OPT™ treatment (for Rosacea) reported that symptoms such as dry, itchy eyes improved and decreased their need for artificial tears”
 (Rolando Toyos, MD)

M22 is FDA cleared only for skin indications, and is under clinical trials for MGD/DED.

Lumenis M22™ IPL with OPT™

Optimal Efficacy and Safety

When using IPL on your patient's facial skin, especially in vicinity to the eyelids, efficacy and safety are essential.

OPT™ is the most advanced IPL technology, developed by Lumenis, and is unique to Lumenis M22™.

OPT™ allows:

- ✓ **Reliability**
The energy you choose is the energy you get
- ✓ **Safety**
Equal energy distribution over the entire pulse, no energy peaks that may lead to undesired effects and no energy drops that result in mistreatment
- ✓ **Efficacy**
Reproducible results



Universal Handpiece with SapphireCool™ light guides, for maximal patient comfort.

Enhanced Physician and Patient Comfort

M22™ IPL with OPT™ offers unique features for enhanced physician and patient comfort:

- **Lumenis unique presets** allow the physician to optimally treat numerous skin indications
- **ExpertFilters™** tailored to the skin type and condition for optimized results. All suitable for one handpiece
- **SapphireCool™ light guide**, a chiller tip, for maximal patient comfort



Looking to Expand Your Practice?

The M22™ is a modular system, allowing your practice to expand to aesthetic treatments, by using your IPL handpiece, as well as adding new modules to your existing M22™, at any time you want.

M22™ additional modules:

Multi-Spot™ Nd:YAG: Treatment of vascular lesions.

ResurFX™: Fractional non-ablative skin resurfacing.

Q-Switched Nd:YAG: Removal of dark tattoos and treatment of pigmented lesions.

All applications have presets, allowing you to safely and professionally expand your practice.



Multi-Spot™ Nd:YAG



ResurFX™



Q-Switched Nd:YAG

*“DED (Dry Eye Disease) and aesthetics are two big opportunities for expanding an ophthalmology practice. A single technology, intense pulsed light, could offer solutions to both”*⁴ (Steven J. Dell, MD)

4. Steven J. Dell, MD, Introducing Intense Pulsed Light for Your Ophthalmic Practice, Introducing Intense Pulsed Light for Medical and Aesthetic Applications in the Ophthalmic Practice, Cat. & Refract. Surg. Today, March 2016.

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