LENTIS® Comfort & Comfort toric



The Pioneers in EDOF-Technology:

Experience Comfort without compromise

LENTIS® Comfort - The Pioneer in EDOF-Technology

The easy solution for demanding cataract patients

The tried and tested lens design of the LENTIS® Comfort is adjusted optimally to the far and intermediate range and thus has been particularly successful in meeting the demanding needs that most patients have with the refractive results of cataract surgery. Bridging the gap between standard monofocal and premium refractive IOLs, the LENTIS® Comfort offers both excellent intermediate vision as well as distance vision.

This is especially of importance to cataract patients who want greater spectacle independence in everyday situations, such as using the computer, handling their smartphone, shopping, golfing or driving. Generally, all people who carry out manual activities further away than reading distance will benefit from this new lens. In short: The convenient lens solution for everyday situations!

The LENTIS® Comfort offers many advantages compared with a standard lens:

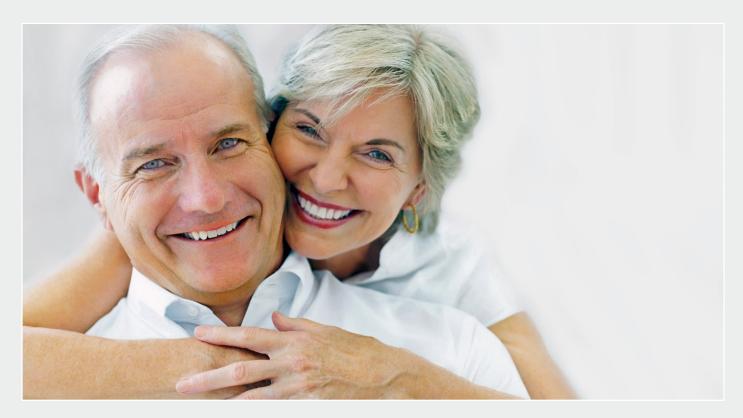
- **EDOF-IOL:** Extended depth of focus for an optimised vision covering patients' requirements for most daily routines
- Excellent visual acuity results for the intermediate and distance ranges
- Improved contrast and depth of focus for optimal vision in low light conditions
- Natural image and colour perception
- Aberration neutral
- Now available with astigmatism correction: LENTIS® Comfort toric

Patient surveys confirm:

- Computer or varifocal lenses no longer necessary!
- High patient satisfaction

High Patient Satisfaction*

In a representative survey conducted by Dr. Julian Stevens (Moorfields Eye Hospital, London, UK) 92% of 192 surveyed patients, who were treated with a LENTIS® Comfort IOL confirmed that they would opt for this lens again due to the excellent visual results.



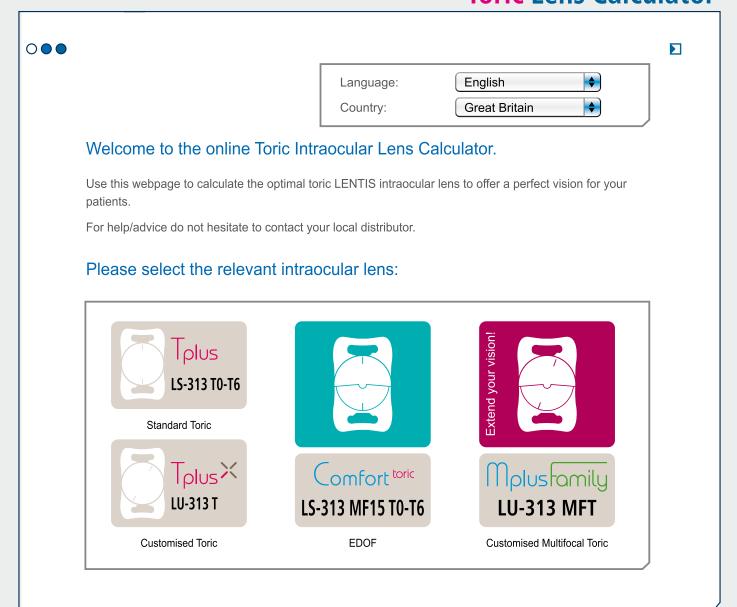
^{*} Please find all references to the pertinent clinical literature at the end of this brochure.



Toric Lens Calculator for toric lenses: www.lentistoric.com

With the LENTIS® Comfort toric you have the optimal tool to correct astigmatism with the help of available standard cylinders ranging from 0.75D to 5.25D in steps of 0.75D. Our Easy Toric Calculator enables you to calculate and order this lens in just 2 simple steps.

Toric Lens Calculator

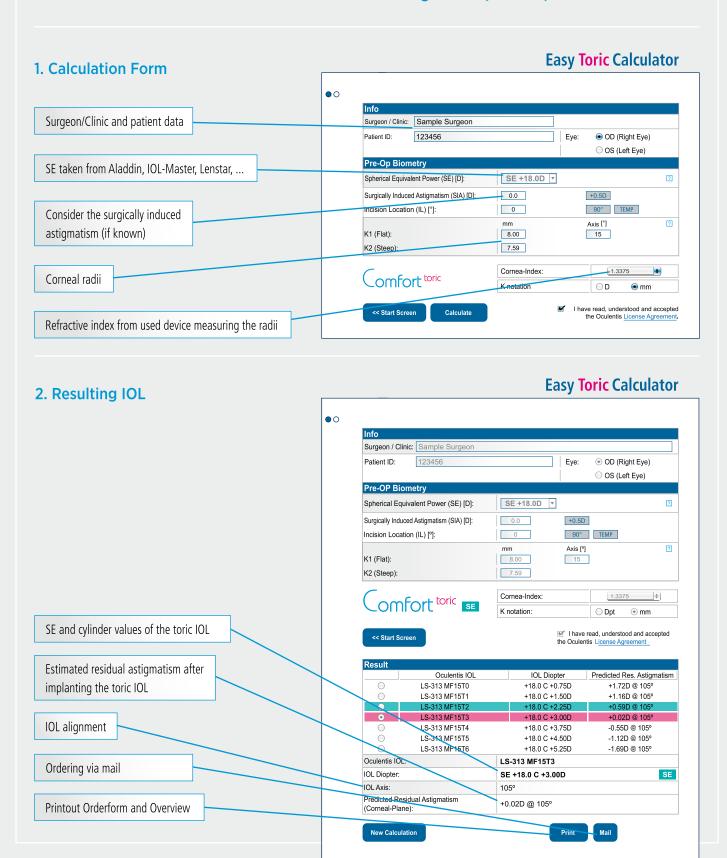


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Figure: Home page of Toric Lens Calculator @ www.lentistoric.com

LENTIS® Comfort toric - Calculation and ordering in only 2 steps:



LENTIS® Comfort

Clinical Results [Dr. Detlev Breyer, Breyer/Kaymak Augenchirurgie, Dusseldorf, Germany]

Dr. Detlev Breyer presented his strategies with blended vision for LENTIS® Comfort in the "Meet the Experts" workshop in Munich. Priority target of that strategy is an optimised visual outcome for patients who have a high demand of spectacle freedom but a zero-tolerance for dysphotopsia.

The concept called "The Düsseldorf Formula" is as follows: The LENTIS® Comfort is implanted in both eyes, whereby one side targets emmetropic vision and the other side -1.5D.

The result: The emmetropic side covers the distance and intermediate ranges at minimal dysphotopsia excellently, in addition the -1.5D eye complements the distance and the intermediate vision with a functional near vision. Furthermore, Dr. Breyer spoke about more customised (in regard of the patient's benefits and wishes) application variants using the LENTIS® Comfort intraocular lens.

Comfort Blended Vision

- Both eyes get a LENTIS® Comfort IOL
- One eye covers distance vision and the intermediate range (target refraction emmetropia)
- The other eye covers the intermediate and the extended near range (target refraction -1.5D)

Result: Benefits of Comfort lens - minimal dysphotopsia - supplemented by an extension of the functional near vision

The Düsseldorf Formula Distance [cm] Defocus [D] -0.5 200 100 -1.0 67 -1.5 **Blended vision** 50 -2.0 40 -2.5 30 -3.0 Far-dominant eye Near-dominant eye Source: Dr. D. Breyer

Comfort Office Vision

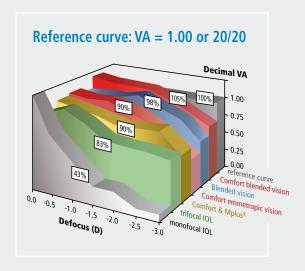
- Both eyes get a LENTIS® Comfort IOL
- Both eyes focus on intermediate and extended near range (target refraction -1.5D)

Result: Perfect for computer distance and office work, glasses for distance needed

Comfort Sports Vision (Emmetropic Vision)

- Both eyes get a LENTIS® Comfort IOL
- Target refraction on both eyes emmetropia

Result: Both eyes more independent from glasses for intermediate and distance ranges, "normal Comfort case": glasses for near may be needed



Clinical Results [Dr. Dominique Pietrini, Clinique de la Vision, Paris, France]

The clinical trial is based on the experience of the first 50 eyes of 25 patients who received an LENTIS° Comfort lens in both eyes, and who were monitored for more than six months. All the eyes operated had cataracts, but the patients were not suffering from pathologies that could put strain on the final visual result (i.e. glaucoma, maculopathy, astigmatism of above 1.00D). The average age of the patients was 70 ± 10.1 years. The refractive target was between -0.25 and 0.50D for an implant constant according to the manufacturer's recommendations (IOL Master, SRK-T formula). Patients received no specific information apart from being told that they might need occasional optical correction for near vision. All the patients were operated on and received the implant using a micro-incision of less than 2mm (Viscojet injector, 1.8 mm).

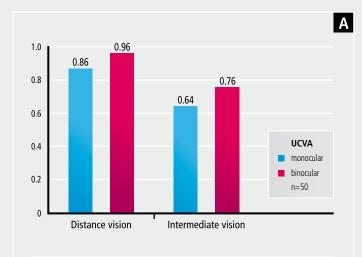


Figure A: Visual acuity without correction for distance and intermediate vision, monocularly and binocularly: The post-operative spherical equivalent was -0.39D, visual acuity without correction for distance vision was 0.859 (decimal) for monocular vision, 0.96 (decimal) for binocular vision, intermediate visual acuity was 0.64 (decimal) for monocular vision and 0.76 (decimal) for binocular vision.

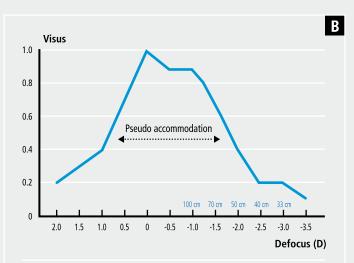


Figure B: The monocular defocus curve after implanting the LENTIS° Comfort confirms the excellent performance of the implant for distance vision (defocus of 0.00D) and for intermediate vision (defocus of -1.50D).

Clinical conclusion: This new intraocular lens placed midway between a monofocal and a multifocal lens provides a real improvement in the visual results for cataract surgery thanks to the increased depth of field and the higher level of spectacle independence. A simple addition of +1.50D is required for near vision. No information is required beforehand, and it offers an excellent alternative to standard monofocal implants. Combined with a certain amount of monovision, it can provide almost total spectacle independence. It is also particularly indicated for patients suffering from myopisation with a preoperative index, who can keep good intermediate vision. It also presents an alternative for patients with a contraindication for multifocal lenses. The LENTIS® Comfort is an excellent alternative to multifocal implants, especially for patients who are worried of the risk of visual side-effects regarding multifocal IOL, in particular for mesopic vision. The almost total lack of halo and/or glare effects often experienced with asymmetric multifocal lenses brings the benefits of a premium implant, but without the side effects.

Clinical Results [Prof. Dr. Jorge Alió, University Ophthalmology Clinic, Miguel Hernandez, Alicante, Spain]

In a comparative study by the Vissum Ophthalmology Institute (Alicante, Spain) under the management of Professor Alió, the visual results and the optical quality of the LENTIS° Comfort and of a so-called accommodating lens were observed, and evaluated post-operatively in just under 40 patients and 66 implanted eyes. The LENTIS° Comfort produced, for all distances, in particular in the wide intermediate range, considerably better visual acuity results than the accommodating IOL.

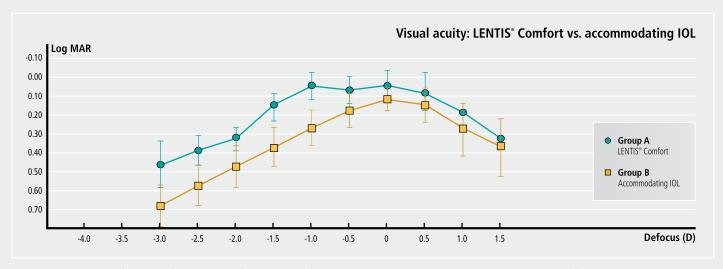


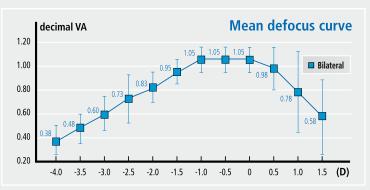
Figure: Comparison of mean defocus curves of LENTIS° Comfort (group A) and accommodating IOL (group B). The figure shows markedly better visual acuity results for the LENTIS° Comfort in all visual ranges.

Clinical Results [Dr. Barbara Ameline-Chalumeau, MD, Clinique de la Vision, Paris, France]

In a recent scientific article Dr. Barbara Ameline-Chalumeau, MD, describes her clinical results after the implantation of 75 LENTIS® Comfort intraocular lenses. She surmises that the LENTIS® Comfort IOL can restore visual function over a large range of distances and provide predictable refractive correction and excellent optical performance. The level of functional vision achieved with this new modality of extended depth of focus can have a significant impact on multiple aspects of quality of life and promote spectacle independence for most daily activities. Moreover, patients reported excellent indices on 10 of 13 scales: clarity of vision, near vision, distance vision, diurnal fluctuations, activity limitations, symptoms, dependence on correction, worry, suboptimal correction, and appearance. The median index of satisfaction with correction approached 90%.

The LENTIS® Comfort might become an alternative to standard monofocal lens implantation as well as an interesting solution to treat patients who are worried about the side effects of multifocal IOLs.

Visual acuity		Uncor	rected	Corrected		
		Distance VA	Near VA	Distance VA	Near VA	
Bilateral (58 eyes)	Logmar	0.10 ± 0.11	0.35 ± 0.23	0.03 ± 0.05	0.13 ± 0.13	
	Snellen	20 / 25		20 / 20		
Unilateral (17 eyes)	Logmar	0.10 ± 0.11	0.35 ± 0.25	0.02 ± 0.05	0.14 ± 0.14	
	Snellen	20 / 25		20 / 20		



What do the professionals say about the LENTIS® Comfort?

"Using the Düsseldorf Formula as a guide to implanting the LENTIS" line of IOLs in a strategic fashion, according to patient requirements, allows us for the first time in the history of multifocal IOL surgery to provide our patients with spectacle independence nearly without the risk of photopic phenomena and loss of contrast sensitivity. This fact allowed us to use this strategy in close to 80% of our cataract and about 95% of our refractive lens exchange patients. Could you do this with rotationally symmetric diffractive multifocal IOL?"

Detlev R.H. Breyer, MD, Head of Breyer-Kaymak-Klabe Eye Surgery, Head of PremiumEyes Laser Eye Surgery, Düsseldorf, Germany, 07/2016.

"The results of our study have shown that bilateral implantation of the low near-add LENTIS® Comfort IOL and bilateral implantation of the LENTIS® L-313 monofocal IOL produce similar results in regard to visual acuity, contrast sensitivity, and IOL tilt and decentration. The LENTIS® Comfort provided patients with better stereo vision and less spectacle dependence for near vision tasks." Oliver Findl, MD, MBA, FEBO, Director and Professor of Ophthalmology, Hanusch Hospital, Vienna, Austria, 07/2016.

"In our study, patients with ERM who received the LENTIS® Comfort LS-313 MF15 faired significantly better in terms of intermediate UCVA than patients with ERM who received a monofocal IOL." Michael J. Koss, MD, MHBA, practices at the Augenzentrum Nymphenburger Höfe – Augenklinik Herzog Carl Theodor, Munich, Germany, 07/2016.

"After studying the LENTIS" Comfort toric, we have concluded that this extended depth of focus IOL should be considered as an effective treatment for presbyopia and astigmatism. It provides patients with excellent refractive predictability and distance and intermediate visual acuities of greater than 1.0, good near vision for newspaper reading, and a wide range of view. It also has exceptional rotational stability, thereby decreasing the need for postoperative adjustments."

Florian T.A. Kretz, MD, FEBO, Lead surgeon, Eyeclininc Ahaus-Raesfeld-Rheine, Dr. Gerl & Collegues, Ahaus, Germany, 07/2016.

"Our initial clinical results demonstrate that the LENTIS® Comfort IOL is an excellent alternative to monofocal lens implantation in cataract surgery. This monofocal-plus IOL provides excellent intermediate vision and acceptable near vision; many patients achieve total spectacle independence, even for reading."

"Because of the possibility for photopic and night driving problems that can occur with all multifocal IOLs, we also have the LENTIS® Mplus and LENTIS® Comfort in our portfolio. These lenses provide high levels of patient satisfaction, due to their good results in contrast sensitivity and reduction of glare and halos. When patients are interested in good intermediate visual acuity and have no objection to using glasses for extended reading, the LENTIS® Comfort with its 1.50 D of near addition is our first choice. Historically, mix-and-match strategies have not been our choice, but we are considering this approach with the Mplus and the LENTIS® Comfort after hearing of the impressive results of colleagues including Sunil Shah, MBBS, FRCOphth, FRCS(Ed), FBCLA."

Detlef Holland, MD, is a cataract and refractive surgeon at the Augenklinik Bellevue, Kiel, Germany, 02/2014.

"I have been using the LENTIS" Comfort and I am enormously impressed with the outcomes and the levels of spectacle independence that this gives to my patients. I have had these lenses implanted in both my eyes and am delighted with the outcome. I can wholeheartedly recommend this intraocular lens for suitable patients."

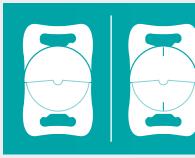
Brendan Moriarty, Consultant Ophthalmic Surgeon, Optegra Prospect Eyeclinic, Altrincham/Cheshire, UK, 2013, data on file.

"3 years ago I would have only considered a monofocal lens for my own eyes, but if I was considering surgery right now this is the lens I would have myself."

Julian Stevens, Consultant Ophthalmic Surgeon, Moorfield Eye Hospital, UK, 2013.

"It [LENTIS* Comfort] can improve depth of field compared with a monofocal IOL and performs well in standard cataract cases for patients or surgeons reluctant to use a multifocal IOL. The LENTIS* Comfort can be used with a mix-and-match approach." Dominique Pietrini, Consultant Ophthalmic Surgeon, Clinique de la Vision, Paris, France, 2013.

"The trend is to go more for intermediate vision nowadays because of the increased use of PCs, iPhones and iPads. The patients I see in my practice don't mind wearing reading glasses at home for long-time reading. But they want to go out of the house and not wear glasses, use their electronic devices, do their shopping and see well." Oliver Findl, MD, Hanusch Krankenhaus Wien & Moorfields Eye Hospital, London, speaking of the LENTIS Comfort at the World Ophthalmology Congress 2014, Tokyo.



LENTIS® Comfort | Comfort toric

The technologically advanced lens design of the unique LENTIS® Comfort and Comfort toric EDOF IOLs provides an enhanced visual experience for demanding cataract patients who want to be more spectacle independent while performing their daily routine activities such as working at the computer, shopping or driving a car.

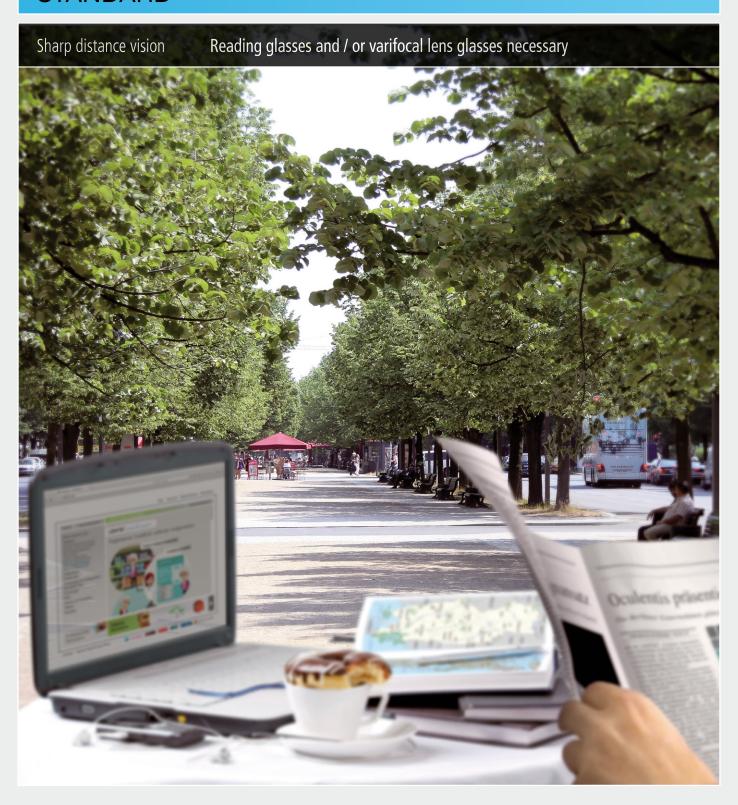
						standard		
Product	LENTIS*Comfort LS-313 MF15			LENTIS® Comfort wire LS-313 MF15 T0-T6 toric aspheric				
Туре	Foldable one-piece acrylic IOL			One-piece toric acrylic IOL for capsular bag fixation				
Optic Size Overall Length	6.0 mm 11.0 mm							
Haptic Angulation	0°							
Optic Design	- Dioptres: Convex-concave + Dioptres: Biconvex Aspherical surface - posterior, sectorshaped nearvision segment - anterior: +1.5D			Biconvex Aspherical and toric surface -posterior, sectorshaped nearvision segment - anterior: +1.5D				
Design	Plate haptic Optic and haptics with square edges, posterior 360° continuous barrier effect			Plate haptic Optic and haptics with square edges				
Material	HydroSmart® - a copolymer, consisting of acrylates with hydrophobic surface, UV absorbing							
Available Diopters	-10.0D to -1.0D (1.0D) ±0.0 to +36.0D (0.5D)			SE: +10.0D to +30.0D (0.5D) Cyl.: T0 +0.75D T1 +1.5D T2 +2.25D T3 +3.0D T4 +3.75D T5 +4.5D T6 +5.25D				
Refractive Index	1.46							
Estimated A-Factors	nominal A = 118.0 ACD = 4.97	Haigis a0 = 1.019 a1 = 0.309 a2 = 0.107	HofferQ pACD = 5.15	nominal A = 118.0 ACD = 4.97	Haigis a0 = 0.706 a1 = 0.274 a2 = 0.127	HofferQ pACD = 5.18		
	Holl.1 sf = 1.38	SRK/T A = 118.32	SRK II A = 118.5	Holl.1 sf = 1.34	SRK/T A = 118.18	SRK II A = 118.3		
Anterior Chamber Depth	4.97 mm							
Recommended Incision Size	≥ 1.8 mm			≥ 2.2 mm				
Recommended Injector [reusable]	Injector: Viscoject-1-hand: LI604205 Viscoject-2-hand: LI604215 Cartridges: Viscoject BIO 1.8 Cartridge-Set: LP604250C* Viscoject BIO 2.2 Cartridge-Set: LP604240C			Injector: Viscoject-1-hand: LI604205 Viscoject-2-hand: LI604215 Cartridges: Viscoject BIO 2.2 Cartridge-Set: LP604240C				
Recommended Injector-Sets [disposable]	Check compatibility of IOL with injector matrix provided at www.oculentis.com/Downloads/eIFU+eDS.html							

Source: ULIB (User Group for Laser Interference Biometry) www.ocusoft.de/ulib/c1.htm

* max. 25.0D

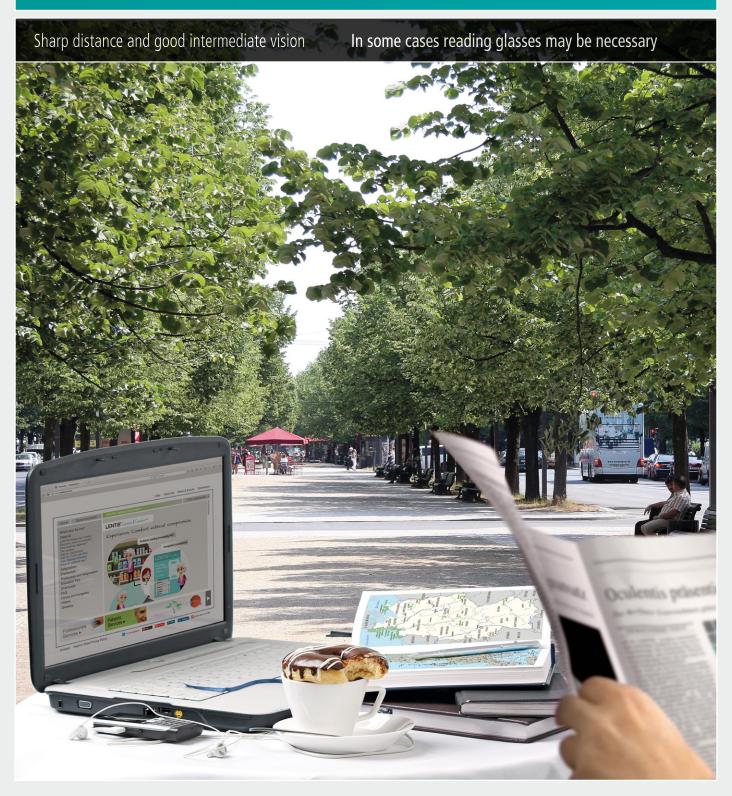
Please note that neither Teleon or ULIB can be held responsible for the correct specification of the optimised IOL constants for the Zeiss IOLMaster. The given IOL constants are to be seen as a guide value and basis for the calculation of the IOL refractive power. Detailed information for the calculation of own constants can be found at www.ocusoft.de/ulib/c1.htm.

STANDARD



A standard lens treats cataracts perfectly, but does not fulfil the wish for greater spectacle independence for intermediate ranges. Consequently, the patient, despite having undergone cataract surgery, has to rely on special and costly glasses, like varifocals.

LENTIS® Comfort



The LENTIS® Comfort offers both sharp distance and excellent intermediate vision and thus providing greater spectacle independence. Clinical results attest an optimal visual performance with this IOL.

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Brendan Moriarty, Consultant Ophthalmic Surgeon, Optegra Prospect Eyeclinic, Altrincham/Cheshire, UK, 2013, data on file.



Recommended Reading:

Detlev R.H. Breyer, MD, Oliver Findl, MD, MBA, FEBO, Eckhard Becker, MD & Julia Lübinghoff, MD, Michael J. Koss, MD, MHBA, Florian T.A. Kretz, MD, FEBO, WE ENVISION. YOU SEE. LENTIS® Comfort: Experience Comfort without compromise, Supplement to Cataract & Refractive Surgery Today Europe July/August 2016

Manufacturer:



Teleon Surgical B.V.

Van Rensselaerweg 4 b

6956AV Spankeren, The Netherlands

Email. info@teleon-surgical.com





LENTIS® Comfort & Comfort toric

The new gold standard for your monofocal IOL patient

LENTIS® Comfort & Comfort toric

The right choice of intraocular lens for virtually all of your IOL patients

The LENTIS® Comfort serves the standard intraocular lens patient better than existing monofocal lenses!

New: Optional correction of standard cylinder (0.75 to 5.25D in steps of 0.75D) with LENTIS® Comfort toric lenses.

4 reasons for choosing these lenses:

Optimal cataract treatment plus depth of focus in the intermediate distance (EDOF concept):

Everyday activities such as computer work, driving, using a mobile or reading price tags are mostly possible without glasses. The "post-surgery feel-good and satisfaction factor" increases significantly among patients.

2 Same pre- and post-op care as for monofocal lenses patients:

The exclusion criteria and contraindications are no different than for standard IOL.

Less chair time pre- and post-op:

There is no need for "premium patient counseling" because there are virtually no photic effects compared to conventional multifocal lenses

4. Exponential multiplier effect:

The high patient satisfaction rate of almost all of your cataract patients after surgery ensuress a high degree of word-of-mouth recommendation and thus "free of charge" advertisement for your clinic/practice.

Advantages for you:

- Greatest possible patient recruitment pool
- Significantly reduced chair time
- High reputational potential for the practice
- Happy and satisfied patients

The IOL technology behind it:

Aspherical intraocular lens with depth of focus function.

EDOF concept: Extended Depth of Focus as a result of the low 1.5D addition.

Manufacturer:



Teleon Surgical B.V.

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Email. info@teleon-surgical.com

