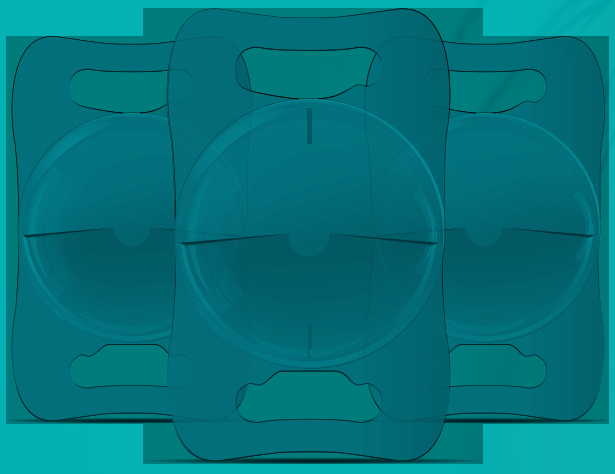
TELEON®

LENTIS® Comfort

The EDOF-IOL Pioneer



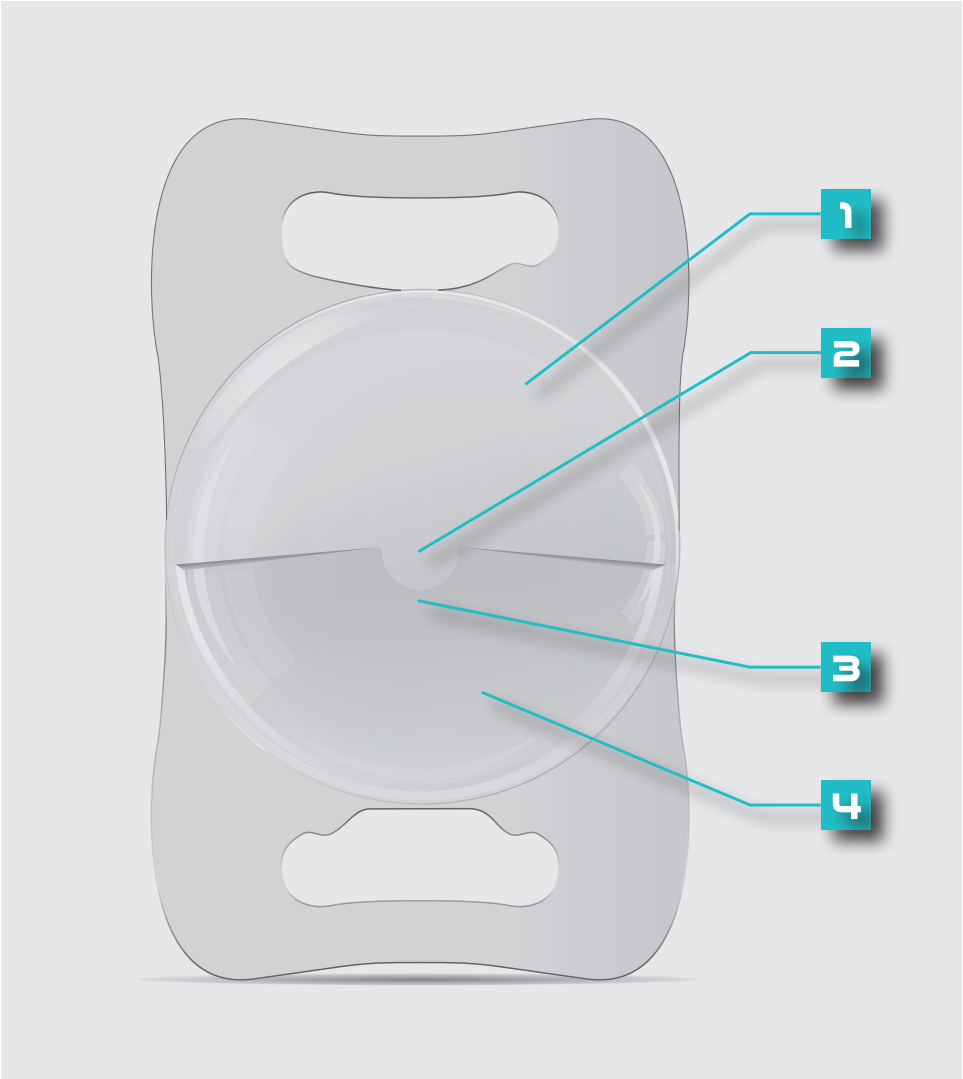
COMFORT WITHOUT COMPROMISE

LENTIS® Comfort

Advanced Optical Design

Classic and innovative optical principles achieve multiple superior effects

- Extended depth of focus
- Refractive design
- High contrast sensitivity



1

Distance Zone

- For excellent distance vision [1,2]
- Optimal focusing of light rays

2

Special Central Zone Design

- Enables the visual axis passing a clear zone

3

Narrow Edge Profile

- Incorporating a seamless central optical zone

4

Power Zone

- Providing increased intermediate vision

LENTIS® Comfort

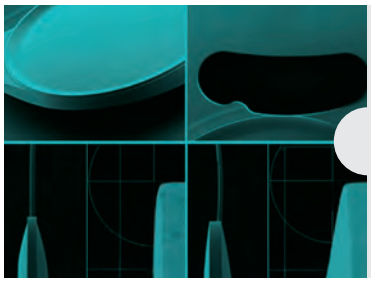
Extended Depth of Focus (EDOF) Intraocular Lens

LS-313 MF15

- Segmental refractive design, addition power: +1.5D
- Continuous clear distance and intermediate vision [1, 2]
- High light transmission, almost no glare effect [3]
- High Contrast Sensitivity [1]
- Wide Focal Range

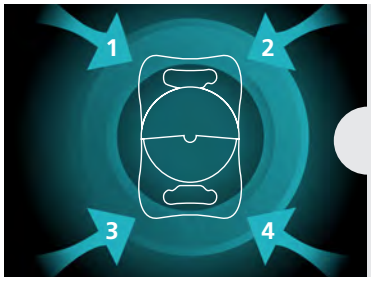
HydroSmart® IOL

- Designed to reduce chromatic aberration [4, 5]
- Hydrophobic surface properties



Micro-Cutting Edge Technology

- One-step lens manufacturing
- High processing precision



Unique Design

- Asymmetric EDOF design
- Plate-style haptics with four-point support
- Resists capsular bag contraction
- Excellent stability [2, 6]

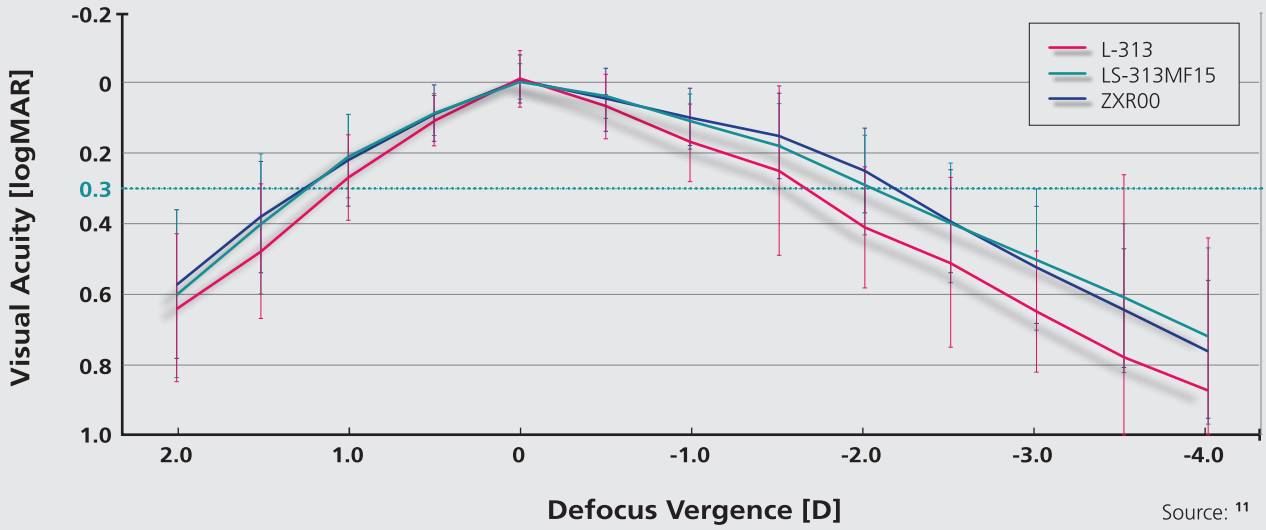
Rear surface design with 360° continuous sharp edge [7]

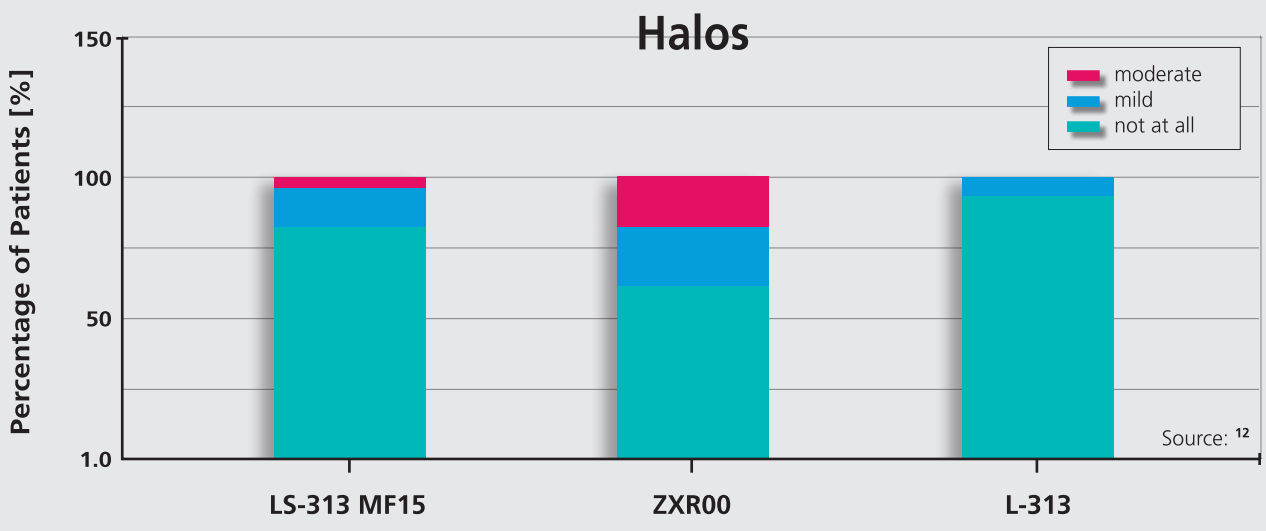
- Designed to create a barrier between lens and posterior capsule
- Designed to reduce Posterior Capsule Opacification (PCO) [8, 9]

Advanced Technology of EDOF Intraocular Lenses

LENTIS® Comfort can achieve clear, continuous distance-to-intermediate vision with extended depth of field [10, 11]

Implanting LENTIS® Comfort MF15 can provide an excellent continuous vision range from distant to intermediate distances, as well as functional near vision. [12]





LENTIS® Comfort with +1.5D addition, blending distance and intermediate focus, achieving EDOF effect [10, 11]

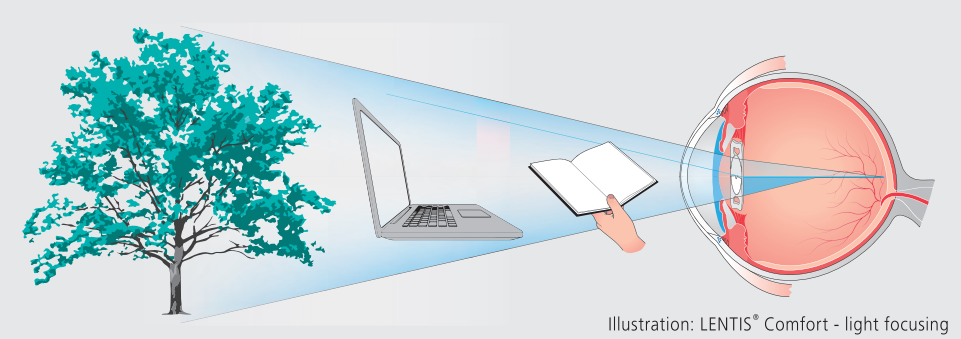
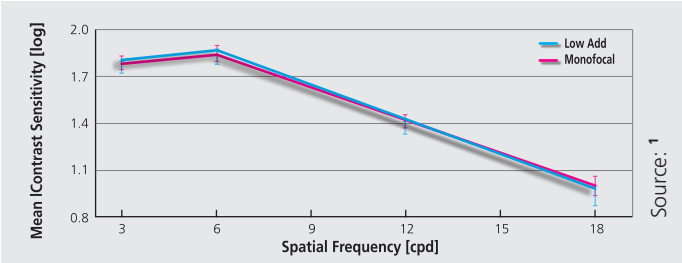


Illustration: LENTIS® Comfort - light focusing

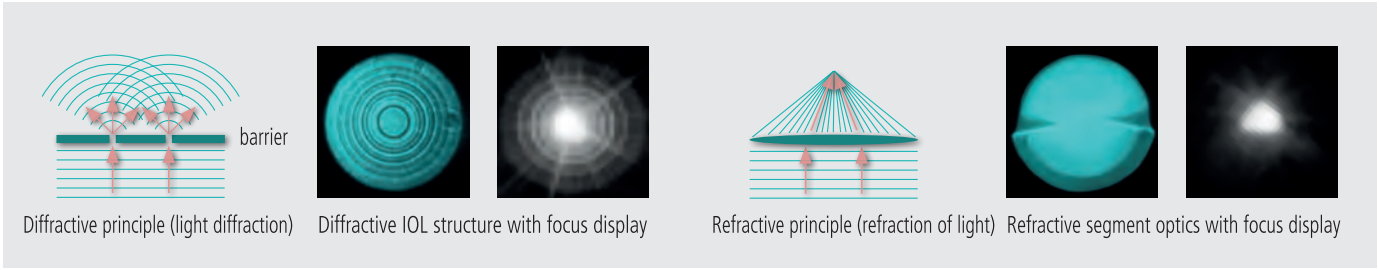
The lens brings distance and intermediate focal points closer together, creating a continuous focal range that provides clear distant and intermediate vision, achieving the EDOF effect.

High contrast Sensitivity [1]

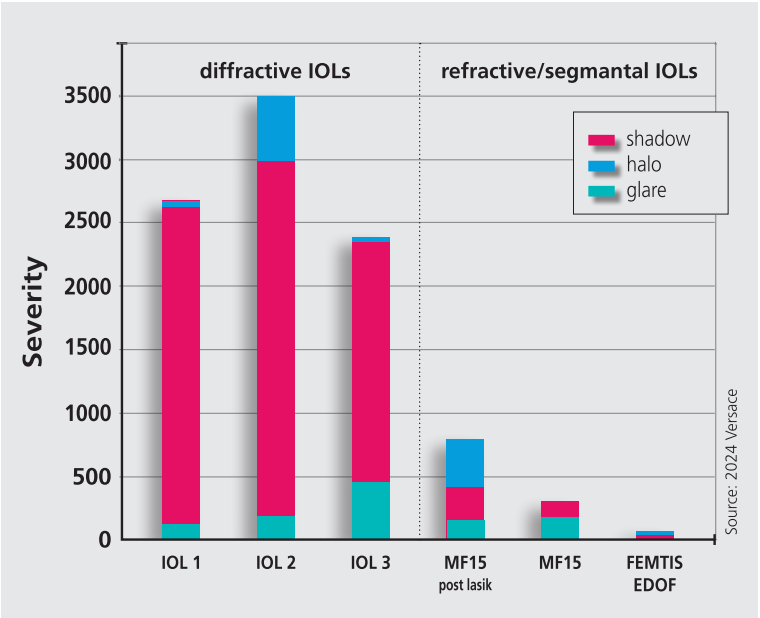
Contrast sensitivity of LENTIS® Comfort lens compared to monofocal lenses at different spatial frequency shows no significant difference, providing patients with high contrast sensitivity.



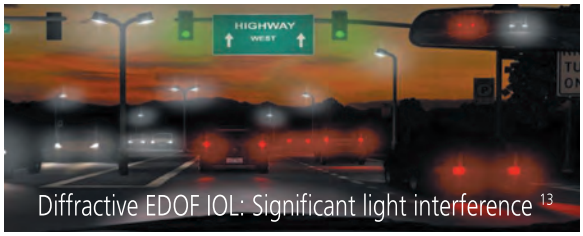
Almost no glare, light scenes, and other abnormal light interference [13]



Diffractive principle (light diffraction) | Diffractive IOL structure with focus display | Refractive principle (refraction of light) | Refractive segment optics with focus display



Diffractive EDOF IOL



Diffractive EDOF IOL: Significant light interference [13]

Refractive EDOF IOL: LENTIS® Comfort

LENTIS® Comfort: Less nighttime light interference [13]

LENTIS® Comfort

Providing Excellent Distant and increased Intermediate Vision[1, 2]

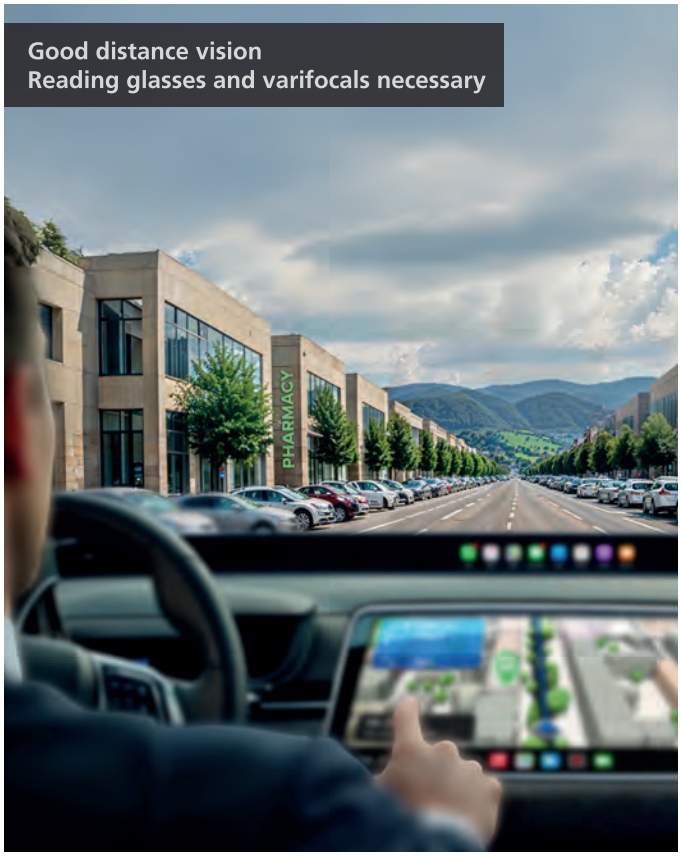
Offering a solution for cataract patients' daily life visual needs

LENTIS® Comfort extended depth of focus intraocular lens uses a patented refractive EDOF design, providing excellent distant and increased intermediate vision. This meets the vision requirements of most cataract patients and is particularly important for patients seeking comfortable, natural vision - such as for cooking, shopping, computer use, driving, and sports activities.

LENTIS® Comfort can provide:

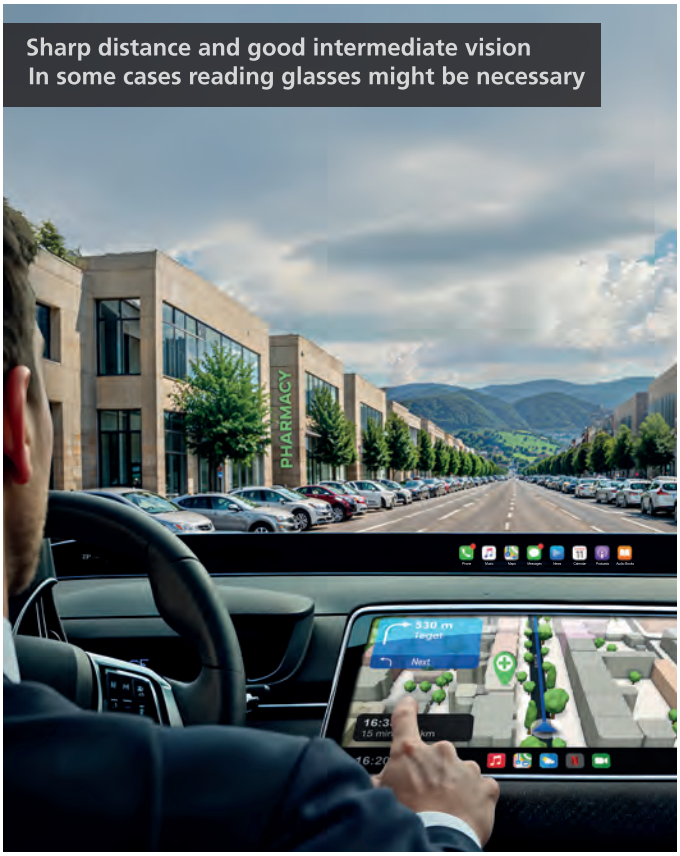
- Extended depth of focus
- Excellent distant and intermediate vision [1, 2]
- Good life-quality vision
- High contrast sensitivity [1]
- Visual quality comparable to monofocal IOL, with a wider vision range than traditional monofocal lenses

Standard monofocal IOL



Illustrative image to simulate expected and potential outcome

Segmental EDOF IOL: LENTIS® Comfort



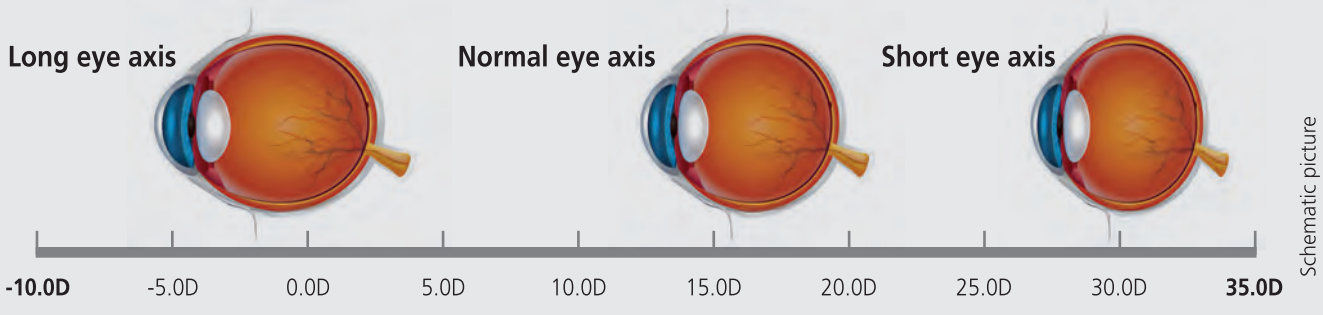
Illustrative image to simulate expected and potential outcome

LENTIS® Comfort | Comfort toric

Suitable for Patients with Different Eye Conditions

Super Wide Optical Power Range

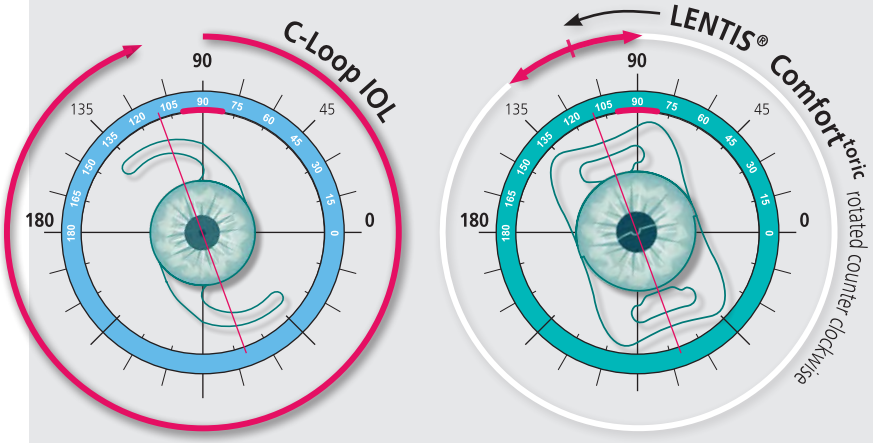
Range from -10D to +35D, wide optical power range, accommodating patients with different eye axis lengths



LENTIS® Comfort and LENTIS® Comfort toric are premium intraocular lenses (IOLs) that treat both cataracts and presbyopia. The LENTIS® Comfort toric additionally corrects astigmatism.

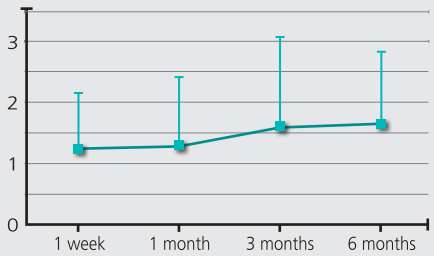
Easy IOL alignment

Adjustment possible in both directions compared to a toric IOL with C-loop haptic design



Alignment axis IOL torus 110° | Incision 90°

Good rotation stability



- 6 months postoperability was 1.66° ± 1.17°
- 98.1% - less than 5°
- 100% within 10° rotation

Source: Presentation at ESCRS 2024, Dr. N. Azmi

Parameters	LENTIS® Comfort MF15	LENTIS® Comfort MF15T0-T6
Type	Foldable one-piece acrylic IOL	Foldable one-piece acrylic IOL
Optic Size | Overall Length	6.0 mm | 11.0 mm	6.0 mm | 11.0 mm
Haptic Angulation	0°	0°
Optic Design	- Dioptres: Convex-concave | + Dioptres: Biconvex Aspherical surface - posterior, sector-shaped near vision segment - anterior: +1.5 D	Biconvex Aspherical and toric surface -posterior, sector-shaped near vision segment - anterior: +1.5 D
IOL 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 properties, UV absorbing	HydroSmart® - a copolymer, consisting of acrylates with hydrophobic properties, UV absorbing
Available Diopters	–10.0 D to –1.0 D (1.0 D) ±0.0 D to +36.0 D (0.5 D)	SE: +10.0 D to +30.0 D (0.5 D) Cyl.: T0 +0.75 D | T1 +1.5 D | T2 +2.25 D | T3 +3.0 D | T4 +3.75 D | T5 +4.5 D | T6 +5.25 D
Refractive Index	1.46	1.46
A constant (nominal)	118.0	118.0

Source: IOLcon.org

Please note that neither Teleon nor IOLcon can be held responsible for correctly specifying the optimized A constants for the Zeiss IOLMaster. The specified constants are therefore to be seen as a guide value and starting point for calculating the IOL refractive power

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