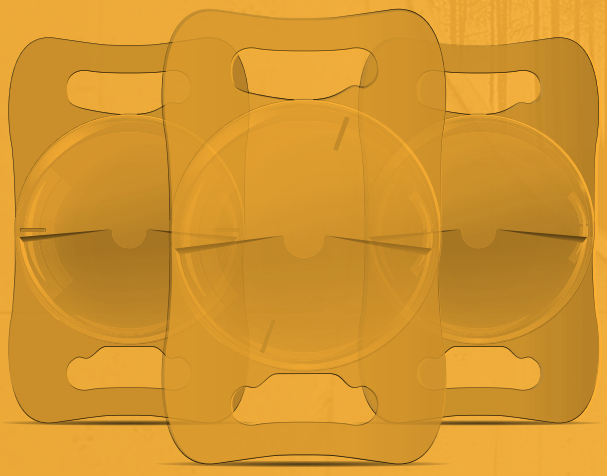
TELEON®

LENTIS® Mplus

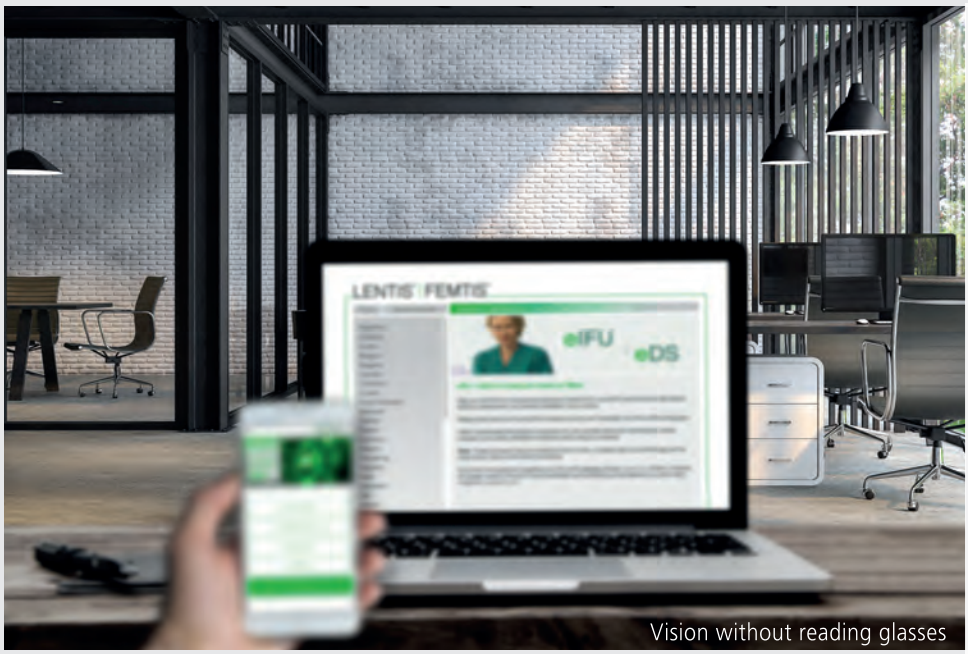
The premium IOL family for optimal treatment of cataract, presbyopia and astigmatism



PREMIUM WITHOUT COMPROMISE

LENTIS® Mplus Family

The premium multifocal IOL family with the varifocal effect - as individual as your patients



Illustrative image to simulate expected and potential outcome

Presbyopia

For many patients, the age-related deterioration of near and intermediate vision goes hand in hand with a sense of losing their freedom and independence. Multifocal intraocular lenses are an alternative to reading and varifocal spectacles and offer a permanent solution to this problem.

Individual visual requirements need individual solutions!

LENTIS® Mplus MF20

20
Mplus
Mplus toric

- Life style preference for intermediate ranges (computer work, driving, etc.)

LENTIS® Mplus MF30

30
Mplus
Mplus toric

- Allrounder for active daily life style requirements

LENTIS® Mplus X MF30

30
Mplus X
Mplus X toric

- "X" -tra power for reading

Focus area

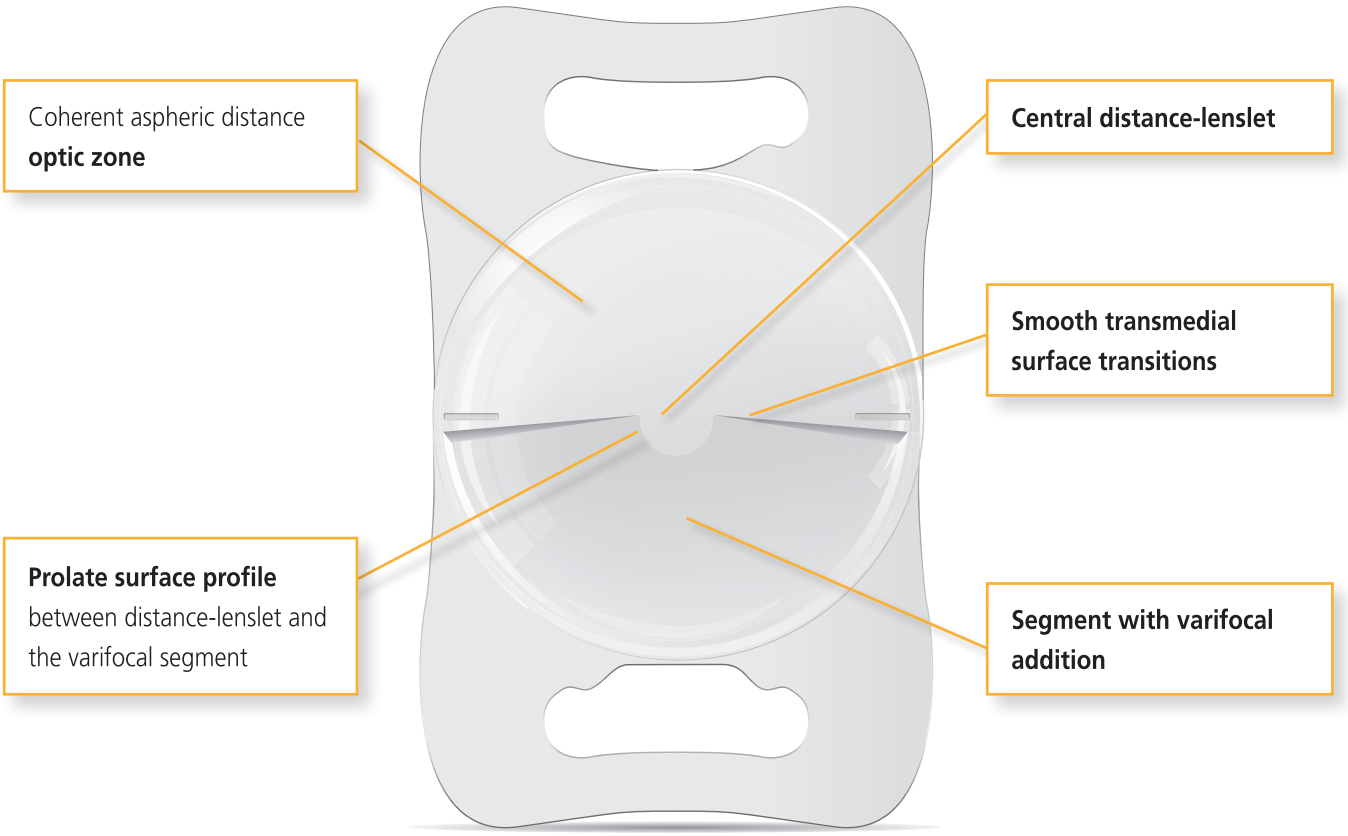
Schematic picture

LENTIS® Mplus Family

Unique asymmetrical-refractive optical design

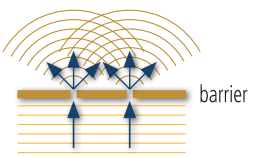
Continuous Transmission Technology

- Large distance optic zone
- Smooth transition from distance to near
- Very high light transmission for excellent vision and contrast

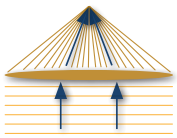


Unique refractive segment optics

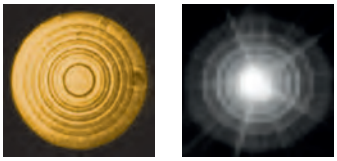
Minimal reported subjective photic phenomena



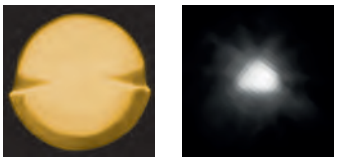
Diffractive operating principle (light diffraction)



Refractive operating principle (refraction of light)



Diffractive IOL structure with focus display



Refractive segment optics with focus display

Patient perception regarding halos and glare*

Patient perception with the LENTIS® Mplus*

* Source: Presentation at ESCRS 2024, Dr. P. Versace

LENTIS® Mplus Family

Clinical results

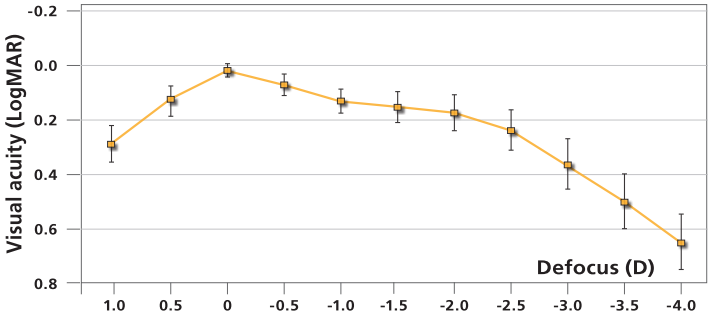
Optimised vision with LENTIS® Mplus MF20

in 198 eyes

https://www.springermedizin.de/factors-for-good-near-and-distance-visual-outcomes-of-multifocal/18031582

Jung Wan Kim (MD)

- Results show excellent distance visual acuity and good near visual acuity at 40cm
- Excellent defocus performance
- Good IOL performance for younger patients with a low level of residual refraction



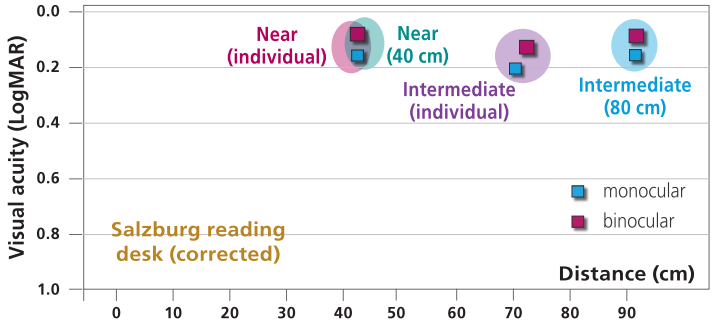
Reading performance of LENTIS® Mplus MF30 and MF30T

in 34 eyes

https://www.healio.com/ophthalmology/journals/jrs/

Prof. Gerd Auffarth (MD)

- Good near and intermediate vision as well as good reading speed
- Individually preferred reading distance: 39cm
- Individually preferred intermediate distance: 62cm



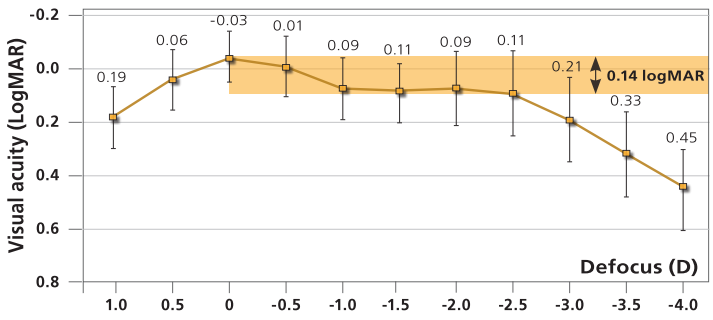
Intermediate and near vision with LENTIS® Mplus^{X}

in 50 eyes

https://www.ajo.com/article/S0002-9394(18)30171-5/fulltext

Prof. Thomas Kohnen (MD)

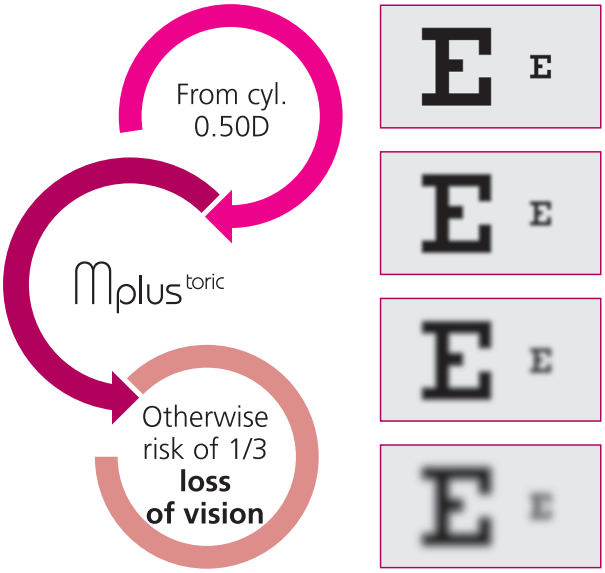
- Continuously good visual acuity at all distances, especially for intermediate and near
- Good reading acuity
- Good contrast sensitivity
- High spectacle independence

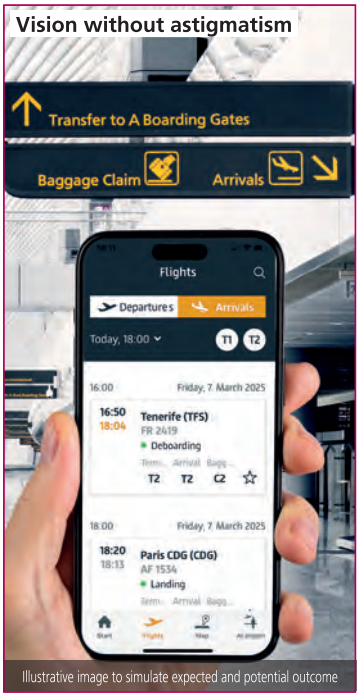


Source: J Cataract Refract Surg 2019; 45:1625–1636, 2019, M. Böhm (MD), Prof. T. Kohnen (MD)

LENTIS® Mplus toric family

Multifocal-toric premium IOLs for correcting presbyopia and astigmatism





Astigmatism

Impaired vision at all distances, due to a not evenly round cornea.

Clinical results

Results of LENTIS® Mplus | Mplus^toric MF30T

in 9366 | 89 eyes

https://www.sciencedirect.com/science/article/abs/pii/S0886335013001120

Jan Venter (MD)

- Effective correction of corneal astigmatism
- Stable positioning in the capsular bag, no significant IOL rotation
- Excellent visual acuity and high patient satisfaction

Refractive stability of the LENTIS® Mplus^toric MF30T

in 70 eyes

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4886883/

Patrick J. Chiam (MD)

- High rotational stability (<2.8°)
- Effective correction of the corneal cylinder
- Pre-op astigmatism average cyl 1.41 D
- Post-op residual astigmatism average cyl 0.18 D

LENTIS® MplusFamily

One-piece multifocal and multifocal toric posterior chamber lenses for optimized depth of field with aspherical surface for capsular bag fixation

Parameters	LENTIS® Mplus^{X} | Mplus	LENTIS® Mplus$^{X\,toric}$ | Mplus^{toric}
Type	Foldable one-piece multifocal acrylic IOL for capsular bag fixation	Foldable one-piece multifocal toric acrylic IOL for capsular bag fixation
Optic Size	6.0 mm	6.0 mm
Overall Length	11.0 mm	11.0 mm
Haptic Angulation	0°	0°
Optic Design	- Dioptres: Convex-concave + Dioptres: Biconvex Aspherical surface - posterior, sector-shaped nearvision segment - anterior	Biconvex Aspherical and toric surface - posterior, sector-shaped nearvision segment- anterior Additionally available with **violet light filter**
IOL Design	Optics and haptics with square edges, posterior 360° continuous barrier effect	Plate haptic Optics and haptics with square edges
Material	HydroSmart® - a copolymer, consisting of acrylates with hydrophobic properties, UV absorbing	
Available Diopters	SE -10.0 D to -1.0 D (1.0 D) SE ±0.0 D to +36.0 D (0.5 D)	sph. ±0.0 D to +36.0 D (0.01 D) cyl. +0.5 D to +10.0 D (0.01 D) (sph. + cyl. < 40.0 D) axis (1°-scaling)
Refractive Index	1.46	1.46
A constant (nominal)	118.0	118.0
Sterilisation	Steam sterilisation	Steam sterilisation
Storage	Supplied in sterile water	Supplied in sterile water
Recommended Injector-Sets [disposable]	Check compatibility of IOL with injector matrix provided at **https://lentis-eifu.com**	

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

Advantages of the LENTIS® MplusFamily compared to the diffractive MIOL restoration:

- **Continuous vision over all distances due to the varifocal effect**
- **Very high use of light**
- **Unique brilliant optics without rings**
- **Very little photic phenomena**

MANUFACTURER:

Revision: QF2322v4

TELEON® **Teleon Surgical B.V.** | Van Rensselaerweg 4 b | NL - 6956AV Spankeren **marketing@teleon-surgical.com**