

ZEISS IOLs

Optics you can trust.



ZEISS IOLs

zeiss.com/iols-optics-you-can-trust



Seeing beyond

ZEISS IOLs

Optics you can trust.

For over 175 years, our commitment to optical excellence has shaped the way surgeons restore patients' vision.

Built on thoughtful, expert-driven innovation, our diverse range of IOLs is set to deliver outstanding visual outcomes that maximize patient satisfaction, so you can trust that you are providing your patients with the best possible results, whatever their condition.

The 3 pillars of ZEISS' optical excellence:

- ✓ One step ahead in optics
- ✓ Designed with highest patient satisfaction in mind
- ✓ High-quality biomaterials for optimal results

One step ahead in optics

ZEISS IOLs represent a variety of optical designs and asphericity concepts and are available in a wide diopter range.



■ Harnessing our heritage to offer a broad choice of optical designs

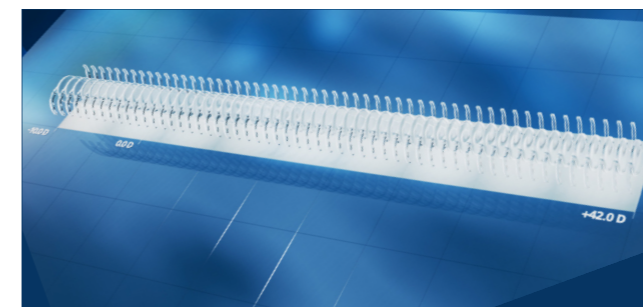
Based on our optical heritage, ZEISS IOLs are designed to meet every surgeon's preference and address the distinct needs of each patient. Featuring a comprehensive selection of **trifocal**, **EDoF** and **monofocal designs** our IOLs ensure versatility and precision in vision correction.

ZO Optics: The sophisticated and patented ZEISS Optic (ZO) Asphericity Concept of the CT LUCIA 621P/PY from ZEISS is designed to compensate for a wide range of aberrations resulting from different corneal shapes and lens positions.

SMP Technology*: ZEISS Smooth Micro Phase (SMP) technology aims to reduce sharp angles for better optical image quality and minimized light scattering.

Bitoricity: The patented bitoric optical design and large usable optics of ZEISS toric IOLs ensure that high optical image quality is maintained. This is particularly beneficial for toric IOLs with cylinder powers above +6.0 D.

■ A diopter range re-defining industry standards for enhanced precision and accuracy



Non-toric diopter range



Toric cylinder range

ZEISS IOLs offer a wide range of diopter powers, including options for high corneal astigmatism, extreme myopia, and hyperopia. With one of the smallest diopter increments across the whole diopter range**, including cylinder steps for toric IOLs, ZEISS IOLs enable surgeons to accurately choose the best suitable IOL power for their patient.

* ZEISS AT LISA tri, ZEISS AT ELANA, ZEISS AT LARA.

** 0.5 D diopter steps, except ZEISS CT ASPHINA and ZEISS CT SPHERIS.

Designed with highest patient satisfaction in mind

ZEISS IOLs are designed to provide patients with sustained visual outcomes that ensure long-term satisfaction.

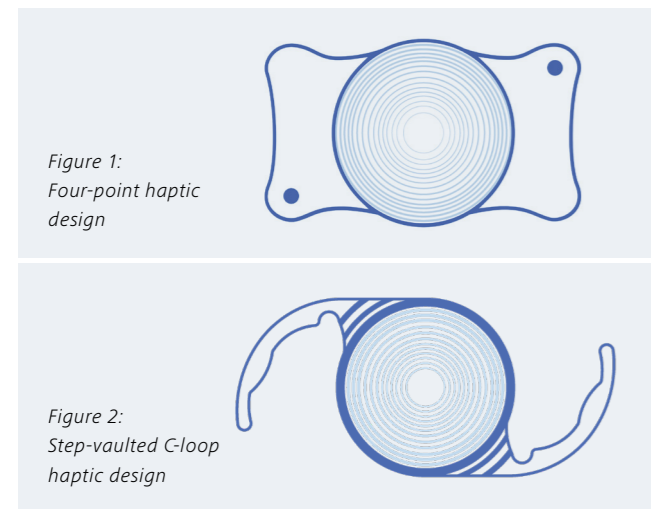


High-quality biomaterials for optimal results

ZEISS IOLs are available in both hydrophobic and hydrophilic materials, all produced in-house adhering to highest industry standards.



Thoughtfully crafted to provide lasting visual excellence



ZEISS hydrophilic IOLs (Figure 1) feature non-angulated four-point haptics ensuring a stable axial IOL position in the capsular bag, and long-term stable visual outcomes with low rotation, tilt and decentration.

ZEISS hydrophobic IOLs (Figure 2) have a specially designed optic-haptic junction. The step-vaulted C-loop haptics allow for easy centering and maximizing direct capsular contact for a consistent and stable axial IOL position in the capsular bag.

Delivering optimal vision across all distances

ZEISS IOLs excel in providing good vision at near, intermediate, and far distances, allowing patients to experience clear and sharp vision in all aspects of life.



Enhancing contrast sensitivity and improving color perception

ZEISS IOLs feature a distinct combination of material and optic design to enable improved contrast sensitivity for everyday tasks.



Limiting surface reflections, improving vision comfort

ZEISS' hydrophobic and hydrophilic IOLs contain low refractive index materials to minimize stray light, reduce reflections and glare to enhance visual quality for patients.

Brand	Refractive Index	Abbe Number
ZEISS Hydrophobic IOLs ¹	1.49	51
ZEISS Hydrophilic IOLs ²	1.46	58

¹ ZEISS AT ELANA, ZEISS CT LUCIA

² ZEISS AT LISA tri, ZEISS AT LARA, ZEISS AT TORBI, ZEISS CT ASPHINA and ZEISS CT SPHERIS

Minimal distortion, optimized performance

ZEISS IOLs feature high Abbe numbers for reduced chromatic aberration and better image clarity.

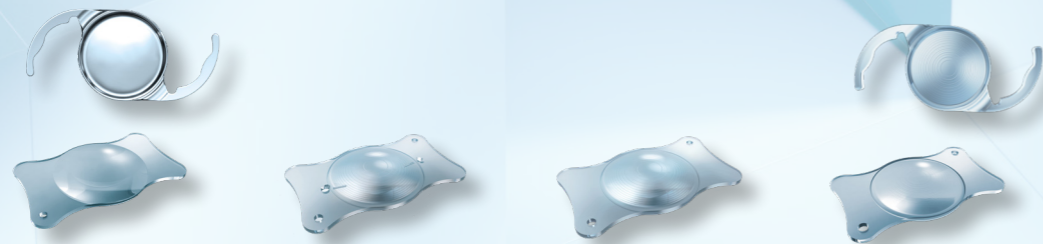


Figure 3: Uncorrected vision with high amount of distortion



Figure 4: Corrected vision with low amount of distortion

ZEISS IOL Portfolio



	Monofocal	Toric	EDoF	Trifocal
IOLs	<ul style="list-style-type: none"> ■ ZEISS CT LUCIA ■ ZEISS CT ASPHINA ■ ZEISS CT SPHERIS 	<ul style="list-style-type: none"> ■ ZEISS AT LISA tri toric¹ ■ ZEISS AT LARA toric² ■ ZEISS AT TORBI³ 	<ul style="list-style-type: none"> ■ ZEISS AT LARA 	<ul style="list-style-type: none"> ■ ZEISS AT ELANA ■ ZEISS AT LISA tri
Material	hydrophobic/hydrophilic	hydrophilic	hydrophilic	hydrophobic/hydrophilic
Shape	C-loop, C-loop 3-piece, 4-point haptic	4-point haptic	4-point haptic	C-loop, 4-point haptic
Optical Design	monofocal (spheric/aspheric)	bitoric, monofocal/EDoF/trifocal (aspheric)	EDoF (aspheric)	trifocal (aspheric)
Vision correction	single vision	astigmatism correcting in single, extended and full range of vision	extended range of vision	full range of vision
Diopter Range	-10.0D to +42.0D*	Spherical Equivalent (SE)** -5.0D to +35.0D Cylinder (cyl)* +1.0D to +12.0D	-10.0D to +32.0D	0.0D to +34.0D

* CT ASPHINA 404 is available in a diopter range up to +42.0 D on demand
** SE and cyl in 0.5D steps

¹ The preloaded AT LISA tri toric 949MP is available in the diopter range: Spherical Equivalent -5.0D to +32.0D, cyl. +1.0D to +4.0D. The non-preloaded AT LISA tri toric 949M is available in the diopter ranges: spherical equivalent -5.0D to +32.0D, cyl. +4.5D to +12.0D and +32.5D to +35.0D, cyl. +1.0D to +12.0D.

² The preloaded AT LARA toric 929MP is available in the diopter range: Spherical Equivalent -8.0D to +32.0D, cyl. +1.0D to +4.0D. The non-preloaded AT LARA toric 929M is available in the diopter ranges: spherical equivalent -4.0D to +32.0D, cyl. +4.5D to +12.0D. Further preselected SE/cylinder combinations are available above and below the stated SE range.

³ The preloaded AT TORBI 719MP is available in the diopter range: Spherical Equivalent -8.0D to +28.0D, cyl. +1.0D to +4.0D. The non-preloaded AT TORBI 719M is available in the diopter ranges: spherical equivalent -4.0D to +32.0D, cyl. +1.0D to +12.0D. Further preselected SE/cylinder combinations are available above and below the stated SE range.

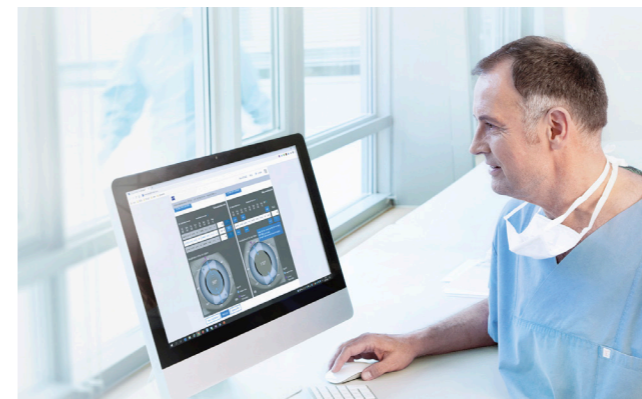
ZEISS IOL Services



ZEISS IOL Power Calculation Service

A free consulting service for ZEISS IOL customers providing a second expert opinion even for challenging patient conditions based on patented ZEISS IOL algorithms and adhering to strict quality standards.

Explore: zeiss.com/iol-power-calculation



ZEISS Z CALC

Select ZEISS IOLs by calculating intraocular lens power and predicted residual refraction. Can be used for toric and non-toric ZEISS IOLs, normal, short and long eyes as well as post-laser vision correction eyes.

Start calculating: <https://zcalc.meditec.zeiss.com>



ZEISS Patient Educational Support

Enhancing your patient communication by offering educational support (including brochures, animations, websites), consultation tools (including questionnaire, digital simulations) as well as promotional tools (including social media post, videos, ads, posters).

Learn more: [ZEISS Patient Materials](#)



ZEISS Digital Ordering

Our digital ordering platform simplifies and streamlines your ordering process, including stock management, order tracking, and procedure scheduling.

Ready to order? zeiss.com/digitalordering

CE 0297

AT ELANA 841P
AT LISA tri toric 949M/MP
AT LISA tri 839MP
AT LARA toric 929M/MP
AT LARA 829MP
AT TORBI 719M/MP
CT ASPHINA 509M/MP
CT ASPHINA 409M/MP
CT ASPHINA 404
CT SPHERIS 209M
CT LUCIA 221P
CT LUCIA 621P/PY



Carl Zeiss Meditec AG

Goeschwitzer Strasse 51–52
07745 Jena
Germany
www.zeiss.com/iols
www.zeiss.com/ovd
www.zeiss.com/injectors
www.zeiss.com/med/contacts

en-OUS_32_025_04381 CZ-IV/2025 International edition: Only for sale in selected countries.
The contents of the brochure may differ from the current status of approval of the product, or service offering in your country. Please contact our regional representatives for more information.
Subject to changes in design and scope of delivery and due to ongoing technical development. AT ELANA, AT LARA, AT LISA, AT TORBI, CT ASPHINA, CT LUCIA, CT SPHERIS are either trademarks or registered trademarks of Carl Zeiss Meditec AG or other companies of the ZEISS Group in Germany and / or other countries.
© Carl Zeiss Meditec AG, 2025. All rights reserved.