ArtIOLs®

The first inverted meniscus
EDOF IOL improving peripheral vision

VOPTICA
SMART VISUAL OPTICS
A NEW CONCEPT

Extraordinary optical design

Meniscus shape conceived to mimic the natural crystalline lens that provides optimized field curvature and improved peripheral vision for your patients.

What sets ArtIOLs® ahead from the rest:

- Extended depth of focus adapted to each patient’s needs.
- Reduced peripheral astigmatism and improved field curvature.
- Improved contrast sensitivity.
- No glare, halos, starbursts.
IOLs
DESIGNED FOR:

- Active patients requiring optimized global vision.
- Achieving good distance and intermediate vision.
- Comfortable night driving.
- Post-refractive surgery patients (LASIK, PRK).
- Patients with retinal pathologies.
- Patients with low tolerance to diffractive IOLs (sensitive to halos).
- Micro-monovision (combining different ArtioLs models).
Non-diffractive EDOF IOL with inverted meniscus aspheric shape, creating an extended focus range with enhanced peripheral optics.

Defocus curve for control*, Art40 and Art70.

Clinical evidence shows excellent VA at all distances, improving intermediate and near vision depending on the selected model.

Mean values of peripheral contrast detection sensitivity for control* and ArtIOLs.

ArtIOLs demonstrated improved sensitivity peripheral contrast with differences between ArtIOLs and control group* statistically significant different (p<0.05).

*Control group (standard monofocal IOL)
ArtlOLs® are designed to control field curvature and to reduce peripheral astigmatism in the pseudophakic eye.

Mean and SD values of peripheral spherical equivalent for control and ArtlOLs.

Mean and SD values of peripheral astigmatism J0 for control and ArtlOLs.

New IOLs having a superior image quality in the whole visual field.
TECHNICAL SPECIFICATIONS

Optics
Lens type: Single piece foldable lens
Optical design: Aspheric optics with extended depth of focus
Shape: Inverted meniscus
Material: Hydrophobic Acrylic
          UV absorbing and blue light filter
Power range: +10.00 to +30.00 Diopters
Optical diameter: 6.0 mm
Total diameter: 13.0 mm
Refractive index: 1.54 (glistening free)
Edge design: Square

Optical Biometry
Suggested A-Constant*: Art25 / Art40 / Art55 / Art70
SRK/T: 120.0 / 120.2 / 120.4 / 120.5

Haptics
Haptic design: C-L haptic

Delivery System
Injector-Cartridge set: Single use
Recommended incision size: ≥ 2.2mm
Lens delivery: Single handed plunger

*It is recommended that surgeons personalize the constants they use.