

RAISING THE BAR WITH PATIENT OUTCOMES

Full Visual Range
Non-Diffractive IOLs

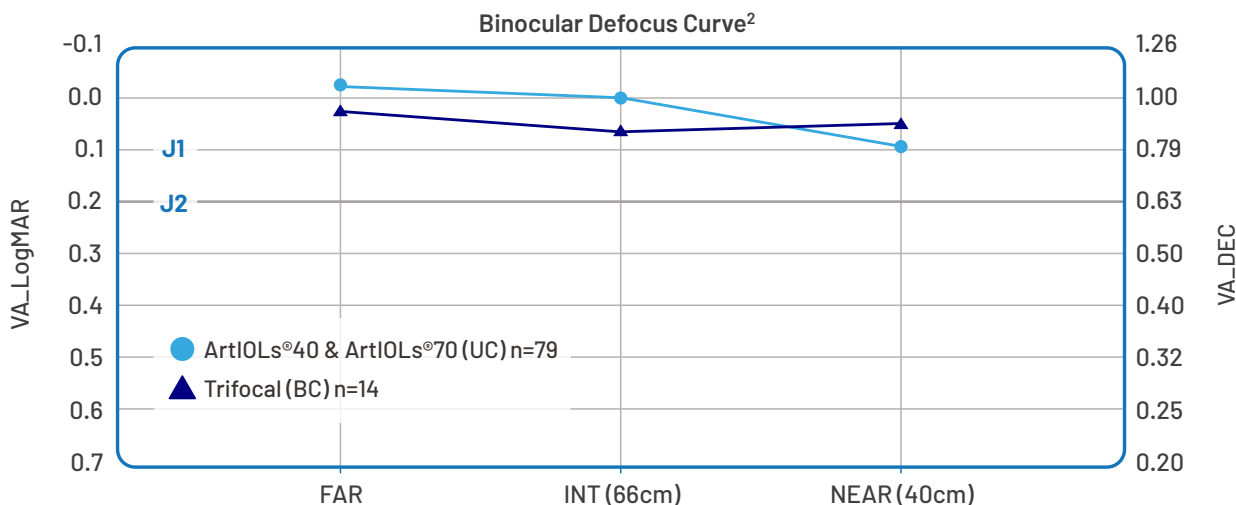
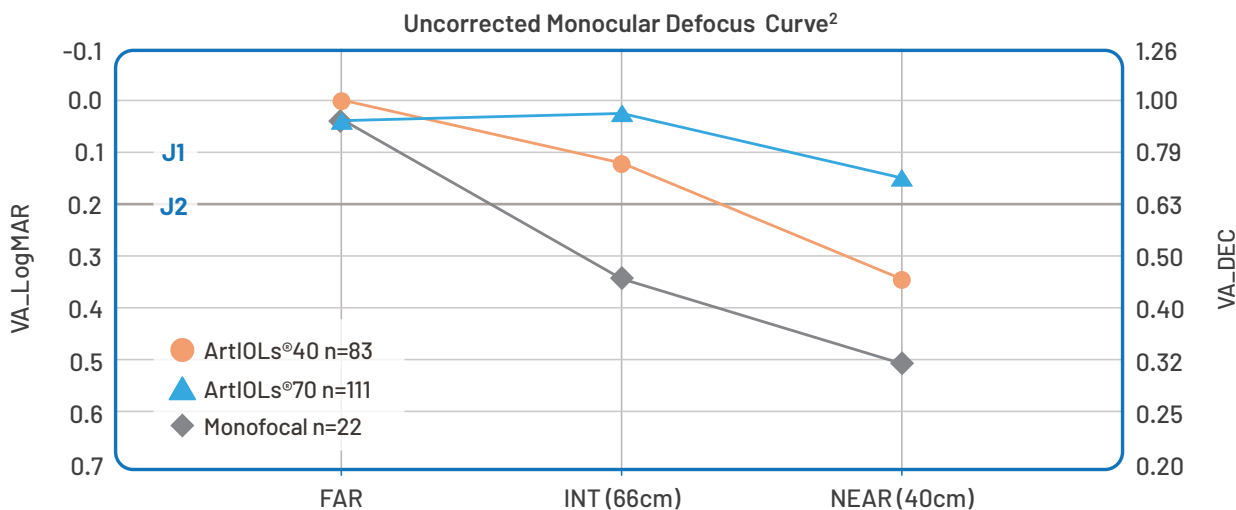


First IOLs mimicking the optical
performance of the human lens

VOPTICA

CLINICAL OUTCOMES

The bilateral implantation of ArtIOLs® 40 together with ArtIOLs®70 delivers a full range of focus and excellent VA at all distances¹.

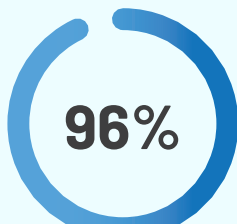


1. Marin JM, et al. Visual Performance at All Distances and Patient Satisfaction With a New Aspheric Inverted Meniscus Intraocular Lens. J Refract Surg. 2023 Sep;39(9):582-588.
 2. Data onfile PRJ-INV_005.

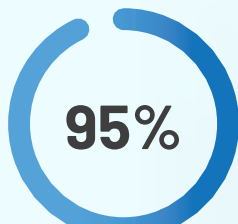
HIGH SPECTACLE INDEPENDENCE

Patient-Reported Spectacle Independence Questionnaire (PRSIQ)³

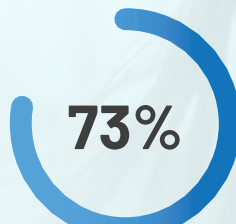
Spectacle independence²



FAR



INTERMEDIATE



NEAR

Comfort without glasses (All and most of the time)²



FAR



INTERMEDIATE



NEAR

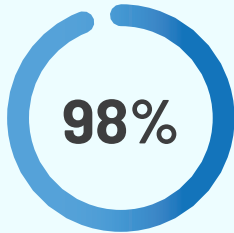
2. Data on file PRJ-INV_005 (60 patients)

3. Morlock R, et al. Patient-Reported Spectacle Independence Questionnaire (PRSIQ): Development and Validation. Am J Ophthalmol. 2017 Jun;178:101-114.

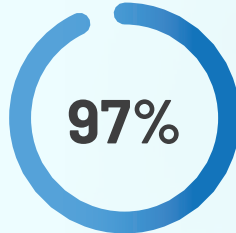


HIGH QUALITY OF VISION

Percentage of patients never having experienced²



HALOS



GLARE

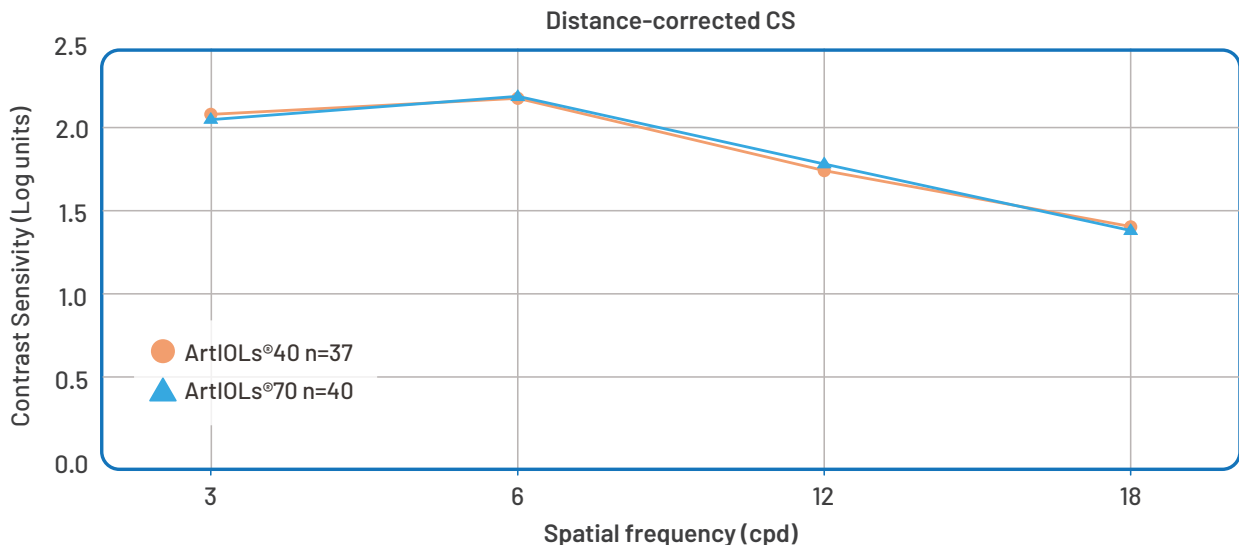


STARBURSTS

The Quality of Vision (QoV) Questionnaire⁴

CONTRAST SENSITIVITY

Monocular distance-corrected contrast sensitivity of ArtIOLs[®]40 & ArtIOLs[®]70 were identical at all spatial frequencies¹



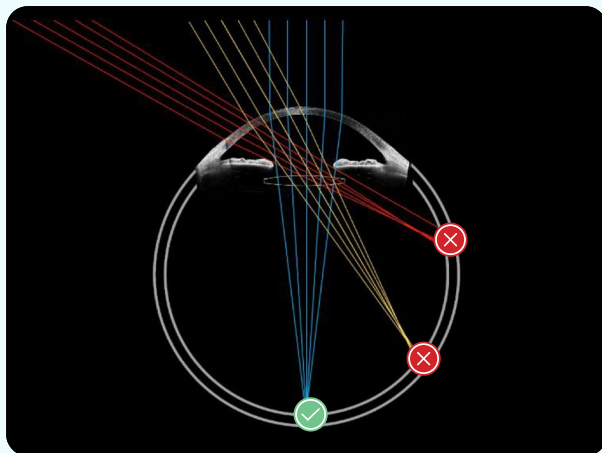
1. Marín JM, et al. Visual Performance at All Distances and Patient Satisfaction With a New Aspheric Inverted Meniscus Intraocular Lens. J Refract Surg. 2023 Sep;39(9):582-588.

2. Data on file PRJ-INV_005 (65 patients)

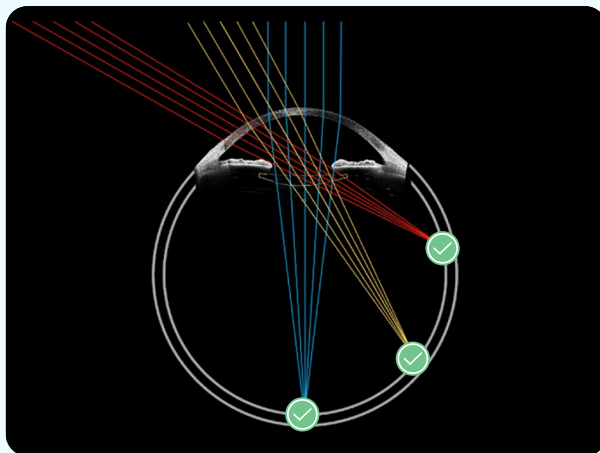
4. McAlinden C, et al. The Development of an Instrument to Measure Quality of Vision: The Quality of Vision (QoV) Questionnaire. Invest. Ophthalmol. Vis. Sci. 2010;51(11):5537-5545.

ADVANCED OPTICAL TECHNOLOGY

The ArtIOLs® reproduce the imaging formation properties of the **natural crystalline lens** in the periphery of the retina with their **inverted meniscus design**⁵



Biconvex IOL



ArtIOLs®
Inverted Meniscus IOL

The ArtIOLs® inverted meniscus design **minimizes negative dysphotopsias**⁶



Standard IOL (Biconvex)⁷



ArtIOLs® (Inverted meniscus)

5. Villegas EA et al. Peripheral, Refraction and Contrast Detection Sensitivity in Pseudophakic Patients Implanted With a New Meniscus Intraocular Lens. J Refract Surg. 2022 Apr;38(4):229-234.

6. Harilaos G, et al. Quantification And Analysis Of Negative Dysphotopsia And Associated Phenomena In A Physical Model Of The Eye. Invest. Ophthalmol. Vis. Sci. 2022;63(7):1798 - F0414.

7. Pusnik A, et al. Dysphotopsias or Unwanted Visual Phenomena after Cataract Surgery. Life (Basel). 2022 Dec 24;13(1):53.

ArtIOLs®

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 (0.50D steps)
Optical diameter	6.0 mm
Total diameter	13.0 mm
Refractive index	1.54 (glistening free)
Edge design	Square

Optical Biometry

Suggested A-Constant*	ArtIOLs® 70 / ArtIOLs® 40
SRK/T	120.0
Haigis	a0=0.720, a1=0.297 and a2=0.169

Haptics

Haptic design	C-L haptic
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Delivery System

Injector-Cartridge set	Single use
Recommended incision size	≥ 2.2mm
Lens delivery	Single handed plunger – Preloaded coming soon

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

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