

**VISTAZO**<sup>TM</sup>  
Hydrophilic Acrylic Intraocular Lens

Trifocal

Experience vision without limits

CE  
2460



Made in USA

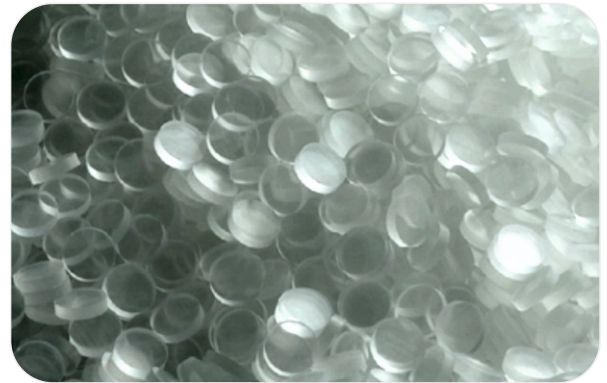
**OPHTHALMIC**  
*Solution, Inc.*  
Manufacturer of Intraocular Lenses

## Premium Trifocal Lens

**Vistazo Trifocal** intraocular lens is manufactured from an advanced Polymer of Hydrophilic Acrylic material, providing clear vision for near, intermediate and far vision.

### Benefits of Advanced Polymer of Hydrophilic Acrylic

- ◆ No glistening.
- ◆ Easy to fold and inject.
- ◆ Tear resistant.
- ◆ Superior optical features.
- ◆ No calcination.
- ◆ MICS capability.
- ◆ Quickly unfolding in the eye.



### Proven Premium Material Behavior

- ◆ Low water base contents (25%), result in a Zero ionicity polymer.
- ◆ No Calcium deposition having years track record about the material.
- ◆ Eliminates the problem of Edge glare, Glistening, Vacuoles- Advance Technology.
- ◆ 360° Square Edge Optic, prevents PCO.

### User - Friendly Optic Designing

*Better Visual quality*

- ◆ Aberration correcting aspheric foldable lens.
- ◆ Natural Yellow - protect retina without blocking needed blue light.
- ◆ Innovative design, better centration.
- ◆ Elastic band design of haptics assured postoperative stability.
- ◆ Improved contrast sensitivity, preserving depth of field.

### Ultra Definition Optic

*Zero Technology & Ultrapure Monomer:*

Zero Technology produces a raw material that is so pure that the methacrylic acid content is difficult to even measure. The resulting hydrophilic acrylic IOL polymer has 10 to 20X less acid than even the “highest purity” commercial monomer, plus a much higher total purity, this results in a zero ionicity polymer. Zero ionicity IOL material provides a further degree of Quality Assurance by eliminating the possibility of calcium phosphate particles appearing over the time in the polymer matrix, which can lead to opacification.





### Blue Light Filtration

Hydrophilic Aspheric Foldable IOL is made from Natural Yellow material having a special monomer containing the identical chromophore present in the human crystalline lens. Natural Yellow is the first IOL material to incorporate the same UV-A blocking and violet light filtering chromophore that is in the human crystalline lens. The approach, to UV blockers and violet filters is to use nature's own solutions to the problem of protecting the retina from harmful energetic light. This proprietary natural light filtering material is named as "Natural Yellow".

### 360° Square Edge Round

*Real PCO Barrier*

The innovative edge design tends to greatly reduce PCO risk by making a geometric and mechanical barrier against cells proliferation. The edge design allows for thinner lenses for equivalent power than other competitors

**Without Vistazo Lens**



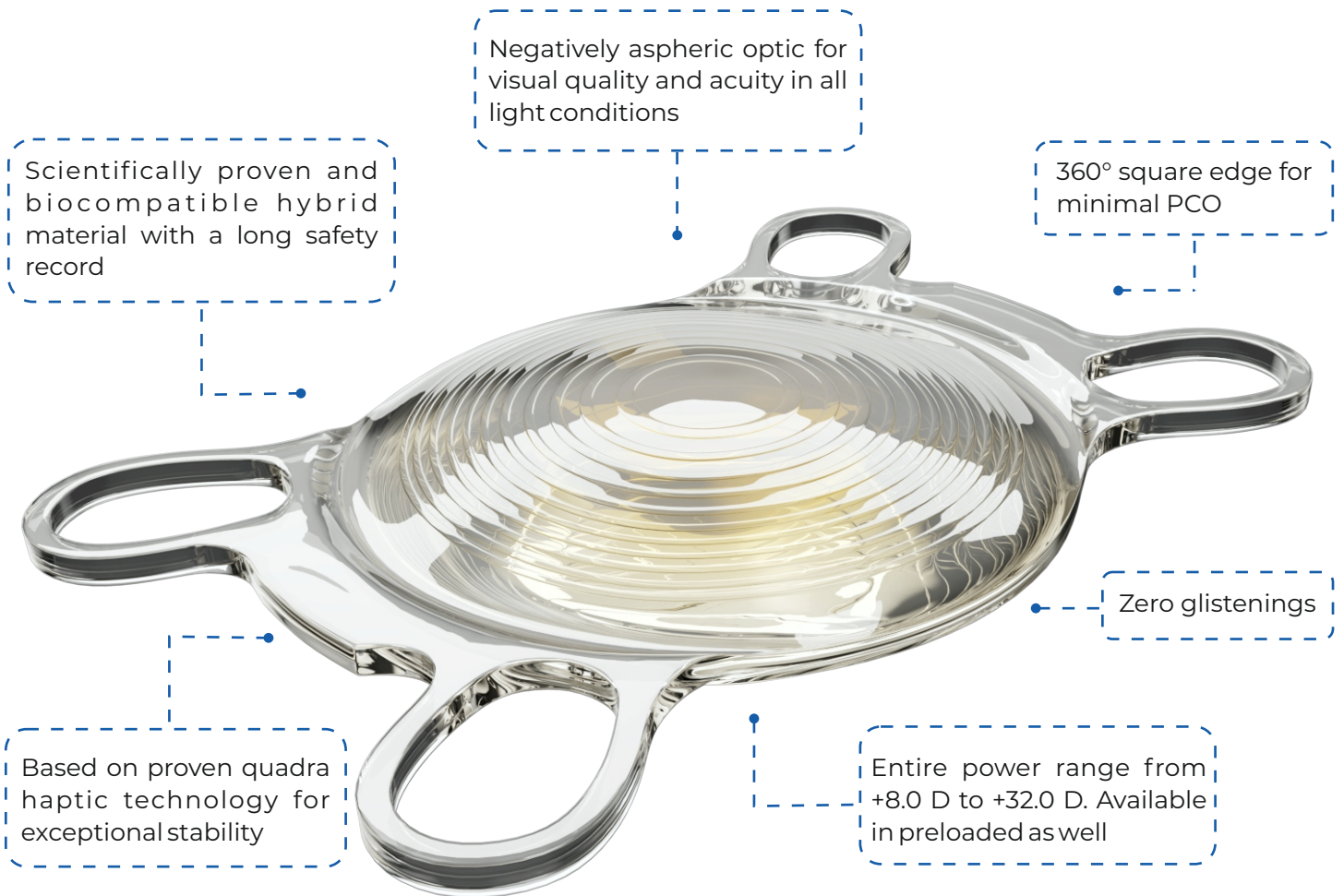
**With Vistazo Lens**



# Vistazo Trifocal lens

Empowering more patients with long-lasting results

**Vistazo Trifocal** is made by the well-known high performance hybrid polymer that empowers patients with long lasting results.



## Proven haptic technology for excellent stability

Any rotation, tilt, or movement of a multifocal lens has the potential to affect patient outcomes and cause photopic disturbances. Our haptic technology, designed to prevent vaulting, has been proven to offer reliable rotational and centration stability, along with enhanced fixation within the capsular bag.:

- ◆ Superb centration
- ◆ Excellent rotational and torsional stability

**Vistazo Trifocal** uses the most advanced bio material available in the industry which has proven results.

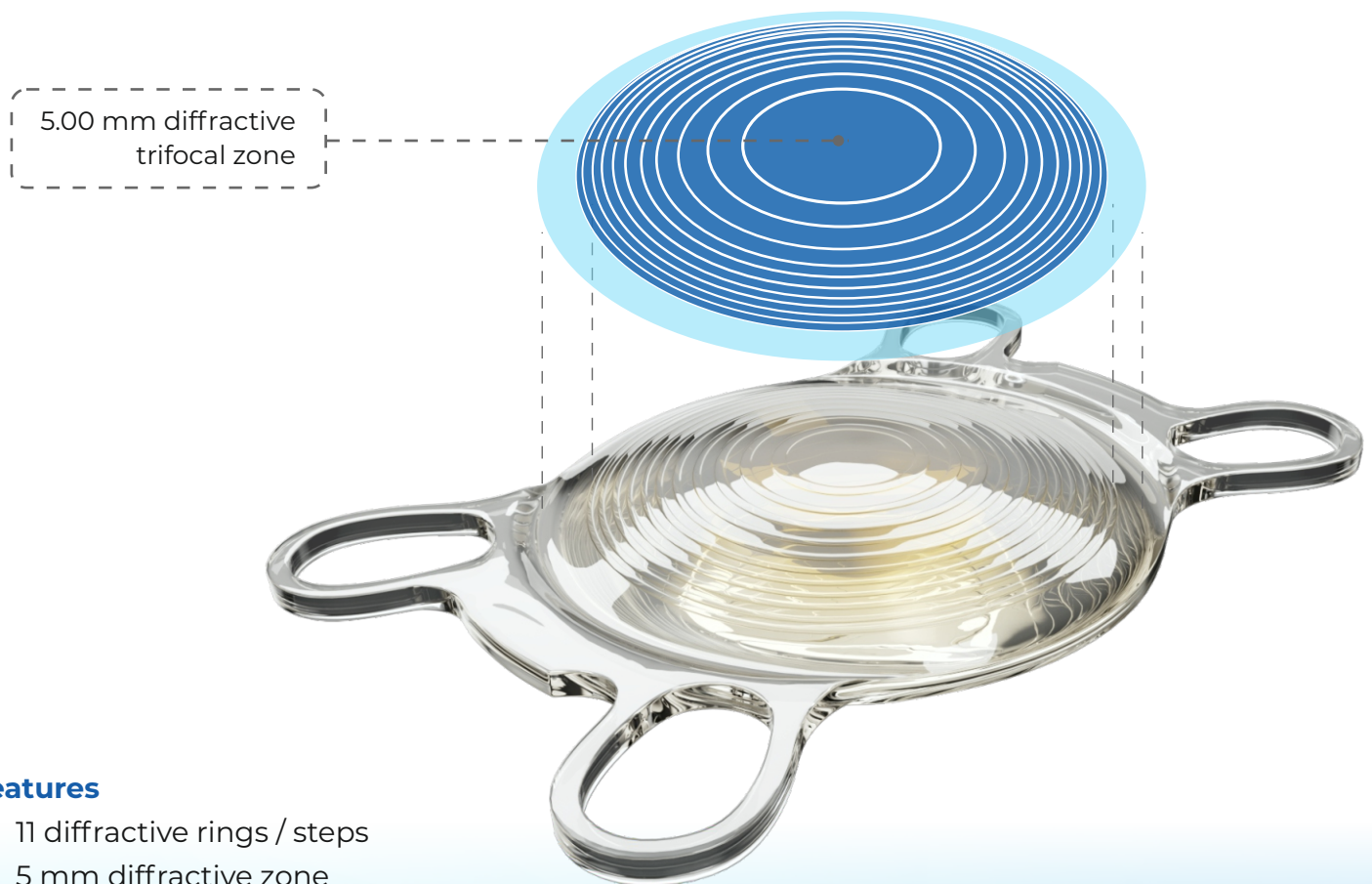
Our diffractive profile is made on the basis of optimizing the vision:

## Vistazo Trifocal



**Enhanced visual results optimized for reduced pupil dependency.**

**Vistazo Trifocal** lens features fewer rings on its optic surface compared to many other trifocal IOLs. This design reduces potential visual disturbances and enhances night vision.



### Features

- ◆ 11 diffractive rings / steps
- ◆ 5 mm diffractive zone
- ◆ 6 mm optic size

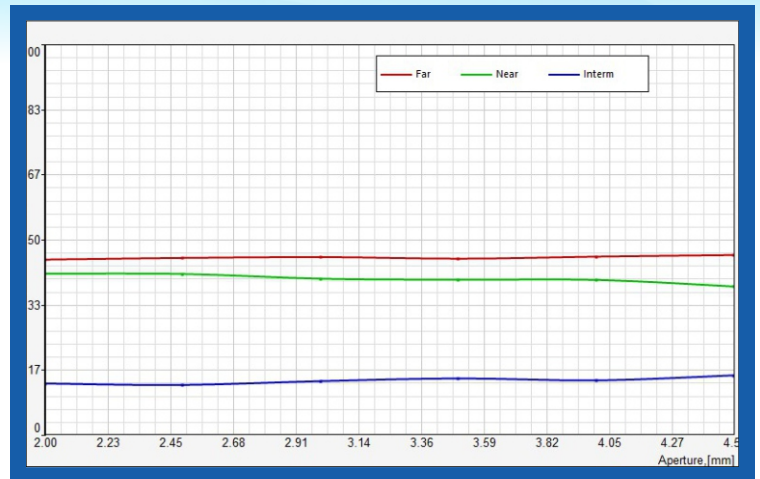
### Patient benefits

- ◆ Reduces visual disturbances
- ◆ Developed to be less dependent on pupil size or lighting conditions
- ◆ Improves distance vision in mesopic condition

## Unmatched light distribution

Our diffractive step trifocal technology provides excellent continuous vision.

- ◆ Balanced light distribution for far and near distance
- ◆ Even at 3mm, light distribution is great
- ◆ Remaining light is contributing for intermediate
- ◆ Comfortable transition from near to distance activities
- ◆ Light Energy Split at 3.0 mm pupil



**43%**  
**Distance**



**17%**  
**Intermediate**

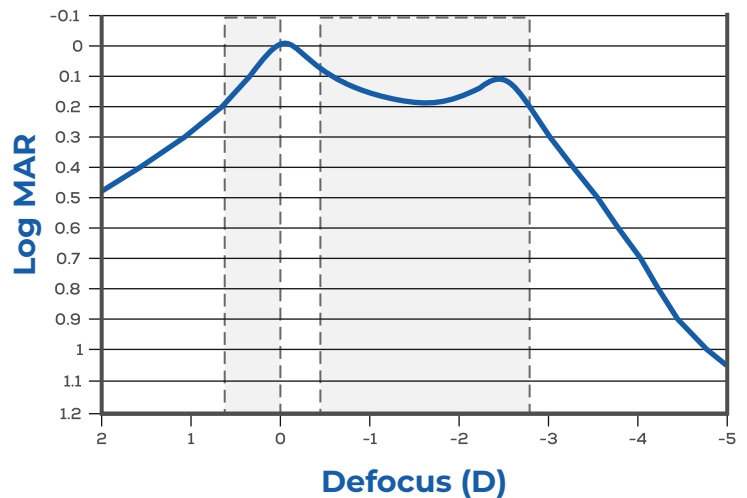


**40%**  
**Near**



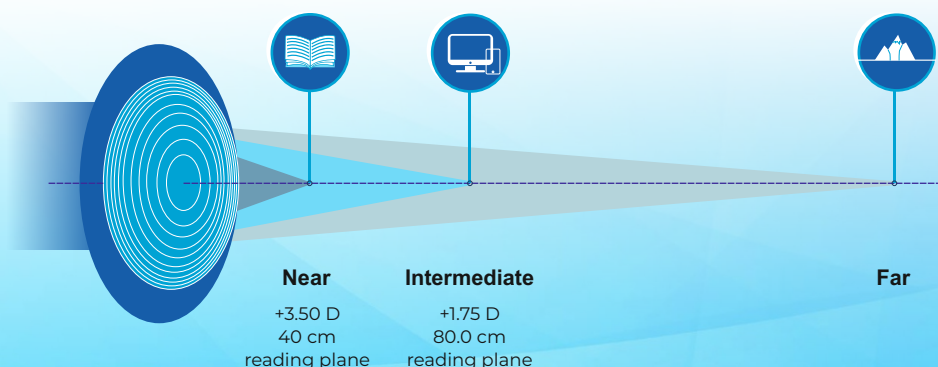
## Defocus Curve

- ◆ The defocus curve for the Vistazo Trifocal demonstrates consistent post-operative visual performance across distant, intermediate, and near objects.
- ◆ The Vistazo Trifocal offers an extended range of 37- 80 cm between intermediate and near vision, suitable for daily activities
- ◆ Vistazo is designed with
  - +3.50 D near add, providing 37 cm reading plane
  - +1.75 D intermediate add, providing 80 cm reading plane



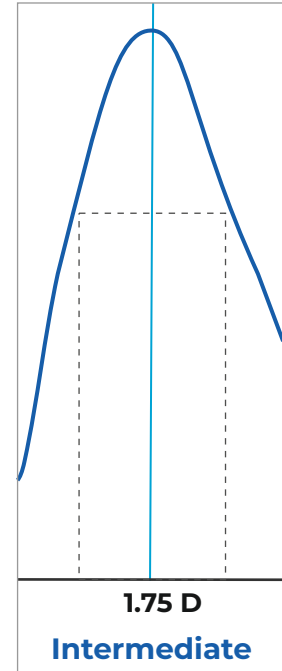
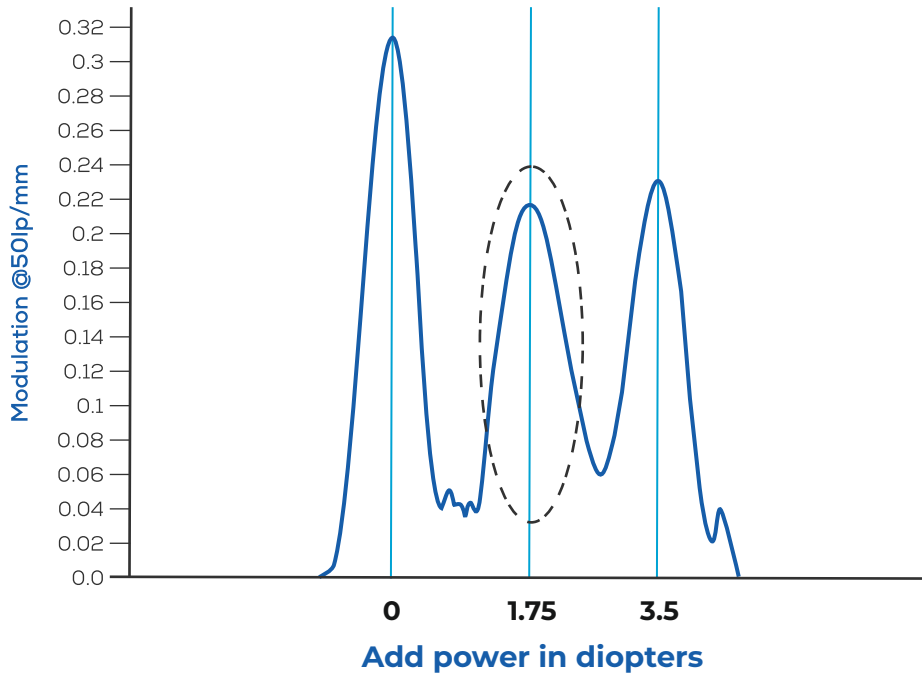
Defocus curves showing avg. visual acuity of patients implanted with Vistazo Trifocal

## Additional third focal point



## Modular Transfer Function Curve

- ◆ Vistazo trifocal has good energy distribution at each focal point.
- ◆ It provides great visual acuity at all distances.
- ◆ It covers intermediate distance of 50-80 cm without any loss of contrast sensitivity.
- ◆ Excellent contrast and clear vision at each focal point is provided by the clear separation of three peaks.



## The Vistazo Trifocal IOL:

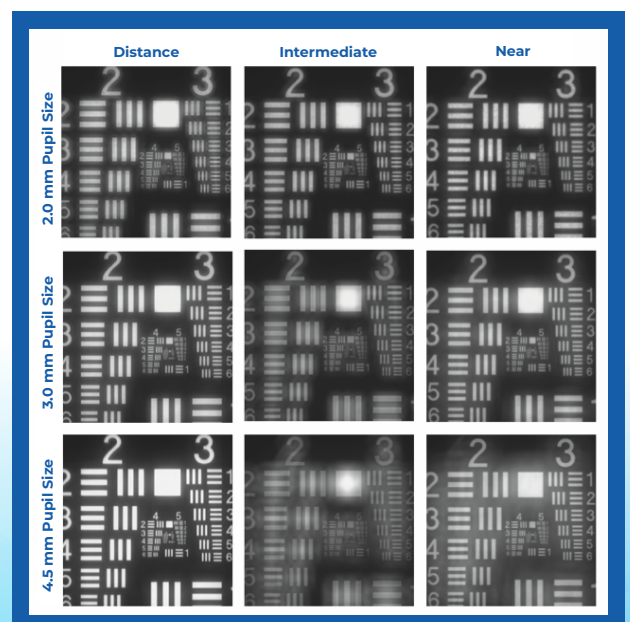
See the world a new. Experience vision without limits.

Envision experiencing clear vision at near, intermediate, and far distances without needing glasses. That's the potential of the Vistazo Trifocal intraocular lens (IOL). This innovative IOL uses a distinct diffractive design to accurately focus light onto the retina at all distances, offering outstanding visual clarity and independence from glasses.

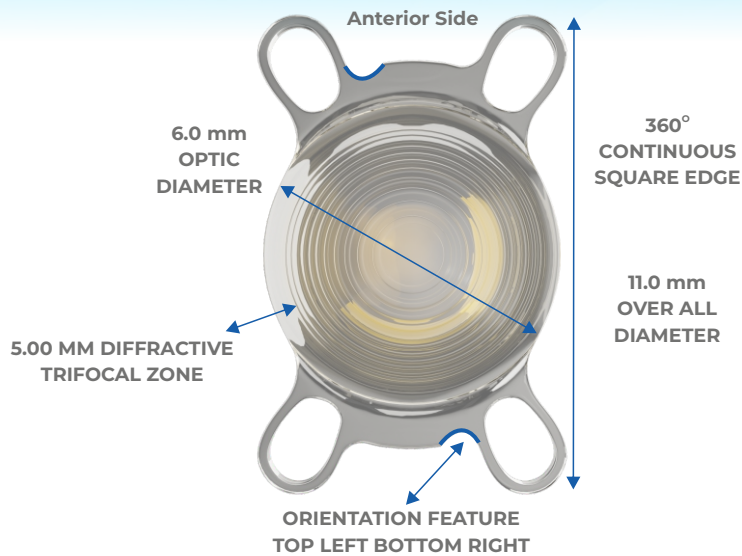
## USAF Resolution Target Images

Recorded for Vistazo Trifocal

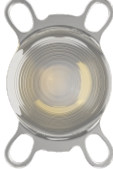
USAF images given here show the qualitative resolution performance of Vistazo Trifocal at various pupil sizes.



## Vistazo Trifocal Technical Information



## Trifocal Biometry Table

VISTAZO	Model# QL160110NY5M		
	Formula	Ultrasound Biometry	Optic Biometry
	SRK II	118.2	118.65
	SRK T	118.0	118.4
	Hoffer Q	pACD-4.91	pACD-5.14
	Haigis	a0-0.673	a0-0.912
		a1-0.400	a1-0.400
		a2-0.100	a2-0.100
	Holladay I	sf-1.12	sf-1.35
	Barrett LF	-	1.57

<b>Model Name:</b>	Vistazo Trifocal
<b>Model Number:</b>	QL160110NY5M
<b>Power Range:</b>	+8.0 D to +32.0 D (in 0.5 D increments) Trifocal, diffractive, +3.5 D near add and +1.75 D intermediate add at the IOL plane
<b>Aspheric Trifocal IOL</b>	
<b>Material:</b>	Hydrophilic Acrylic (25% HA) with Natural Yellow, Glistening-Free
<b>Water Content:</b>	25%
<b>UV Protection:</b>	Yes
<b>UV Light Transmission:</b>	Yes
<b>Refractive Index:</b>	1.46
<b>ABBE:</b>	47
<b>Overall Diameter:</b>	11.00 mm
<b>Optic Diameter:</b>	6.00 mm
<b>Optic Shape:</b>	Biconvex Trifocal Diffractive (positive powers)
<b>Spherical Abberation:</b>	-0.16 $\mu$ m
<b>Optic Edge Design:</b>	360° enhanced square edge
<b>Haptic Angulation:</b>	0°
<b>Haptic Style:</b>	Quadra loop
<b>Estimated A-constant for optical biometry SRK/T</b>	118.4
<b>Estimated A-constant for Contact Ultrasound</b>	118.0
<b>Sterilization</b>	Steam
<b>Shelf Life</b>	3 years

\*Injection System: Accuject (Medicell) / ErgoTouch (ODC)