

# IC•8™

Small Aperture IOL

## Capture the power of **FOCUSED LIGHT.**

Experience the **IC-8™** IOL, the first FDA-approved small aperture extended depth of focus IOL, designed to help patients achieve their best personal vision.



CATARACT



GLAUCOMA



LASER



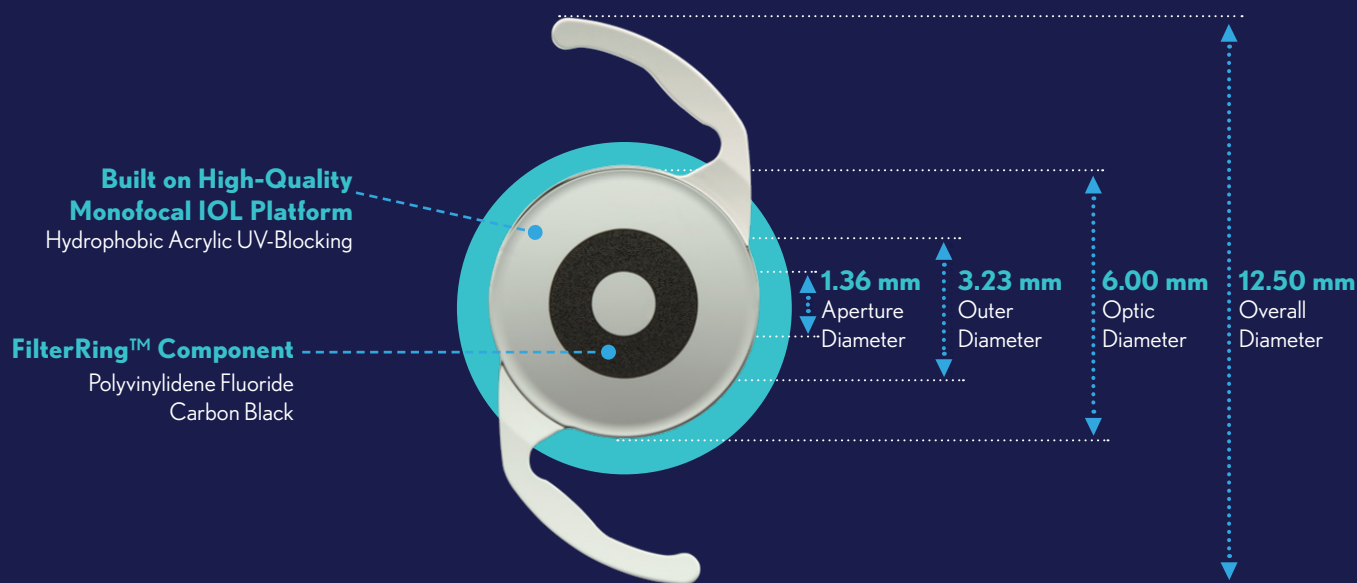
3D  
VISUALIZATION



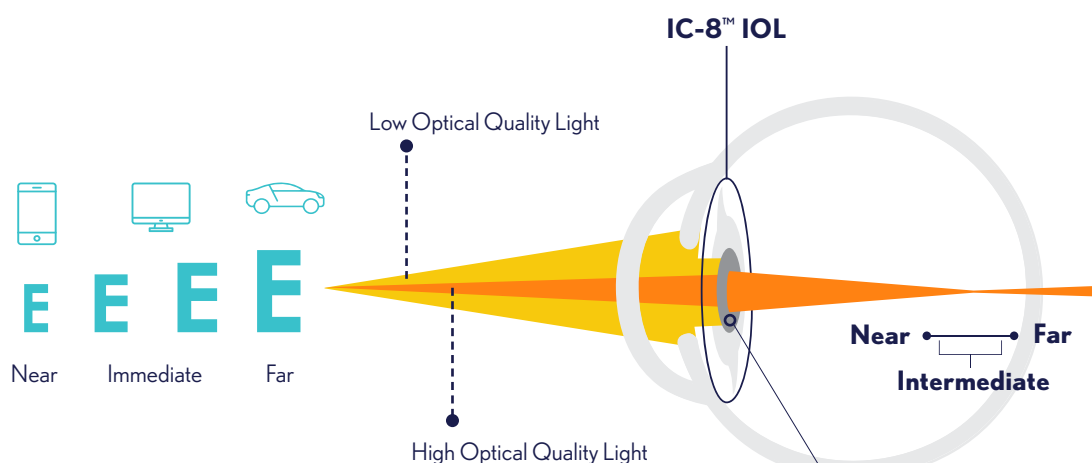
RETINA

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See better. Live better.

The **IC-8™** IOL is the first FDA-approved presbyopia-correcting lens that delivers extended depth of focus through its distinctive, small aperture design.<sup>1</sup> The IC-8™ IOL combines the simple principle of small aperture optics with the reliable quality of an aspheric monofocal IOL to deliver a continuous range of vision.<sup>1</sup>



### Naturally focused light using small aperture optics



The embedded **FilterRing™** component:

- Delivers high OQ (optical quality) light to retina
- Filters out peripheral defocused or aberrated low OQ light entering the eye
- Provides patients a clear, continuous range of vision<sup>1</sup>

## Extending range, expanding the possibilities

The **IC-8™** IOL mitigates the reduction in visual quality caused by defocused peripheral or aberrated light that degrades retinal image quality. By allowing only central light rays to focus on the retina, patients achieve more than 2.00 diopters (D) of continuous, functional range of vision.<sup>1\*</sup>



## Small aperture optics, big advantages

- EXTENDED DEPTH OF FOCUS, free from “blurry zones”



**20/20+**

Monofocal-quality  
distance vision<sup>1</sup>



**20/25+**

Superior<sup>\*\*</sup>  
intermediate vision<sup>1</sup>



**20/32+**

Functional  
near vision<sup>1</sup>

- MONOFOCAL-LIKE BINOCULAR CONTRAST SENSITIVITY<sup>1</sup>

- RELIABLE RESULTS REGARDLESS OF ASTIGMATISM  
in eyes with as much as 1.50 D of corneal astigmatism<sup>1</sup>

\* Negative defocus range at logMAR 0.20  
threshold for binocular defocus curve

\*\*The IC-8™ IOL is statistically superior to a  
monofocal IOL.

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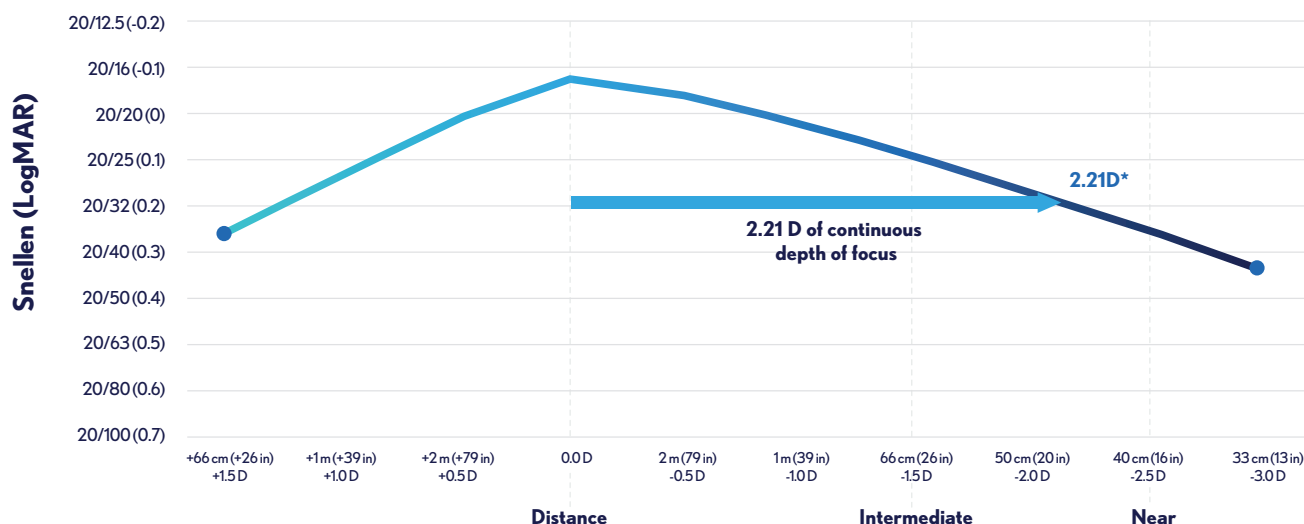
See the **DIFFERENCE**  
from near to far, and  
everything in between<sup>1</sup>

### Enhancing vision, naturally

The **IC-8™** IOL is implanted monocularly, with your preferred Bausch + Lomb monofocal or monofocal toric IOL in contralateral eye.

- **IC-8™** IOL patients maintain better than 20/32 across >2.00 diopters (D) of binocular distance-corrected depth of focus<sup>1</sup>
- With the **IC-8™** IOL corrected to -0.75 D, with the fellow eye corrected to emmetropia, binocular near and intermediate vision is further enhanced with minimal compromise to distance vision<sup>1</sup>

### Distance-Corrected Binocular Defocus Curves at Month 3<sup>1</sup>



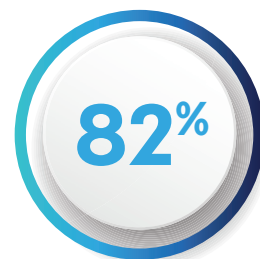
● IC-8™ IOL Group (N=339)

\* Distance-corrected binocular visual acuity is measured with a refractive correction to plano



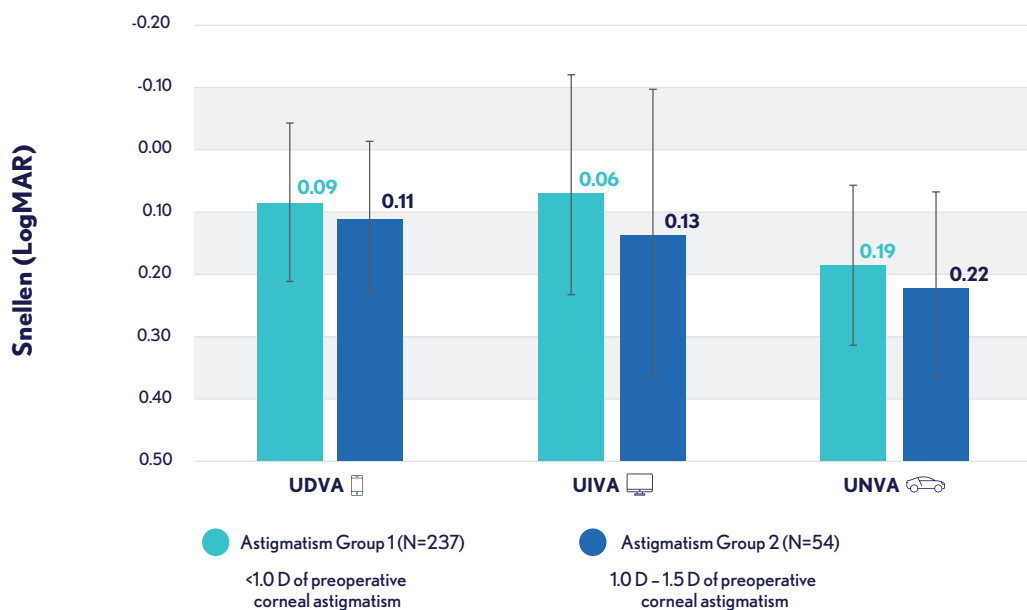
## Consistent results regardless of astigmatism

The **IC-8™** IOL delivers reliable results in eyes with no or as much as 1.50 D of corneal astigmatism without the demanding process of axis alignment.<sup>1,2</sup>



of all cataract patients present **with 1.50 D of corneal astigmatism or less**<sup>3</sup>

## UVA Comparison by Astigmatism Group at 3 Months<sup>1</sup>

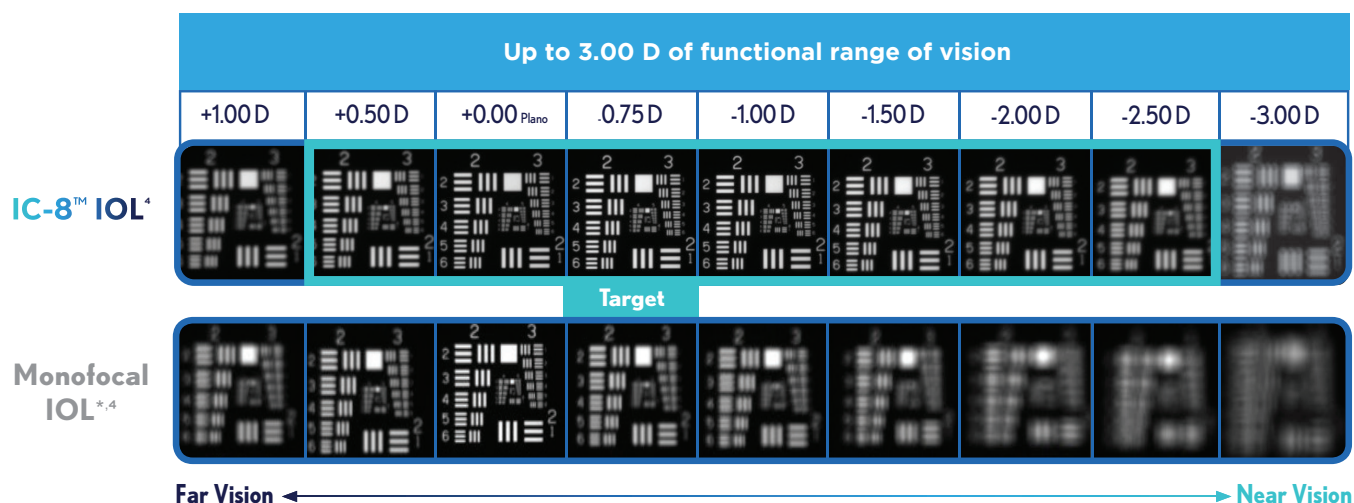


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# Focus on what **MATTERS MOST**

## Enhancing visual acuity, seamlessly

As shown in the US Air Force Target images, the **IC-8™** IOL provides patients with monofocal-like distance vision, while enhancing visual acuity through intermediate and near for everyday activities.<sup>4</sup>



\* TECNIS® Monofocal IOL US Air Force Target Imagery



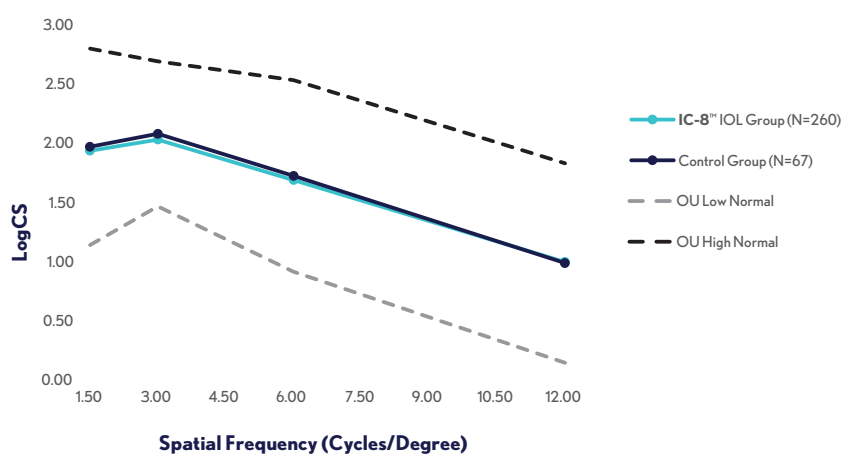
## Help your patients live their life in focus.

The **IC-8™** IOL's small aperture technology reliably delivers seamless visual acuity from near to far, free from the "blurry zones" found in traditional presbyopia-correcting IOL designs.

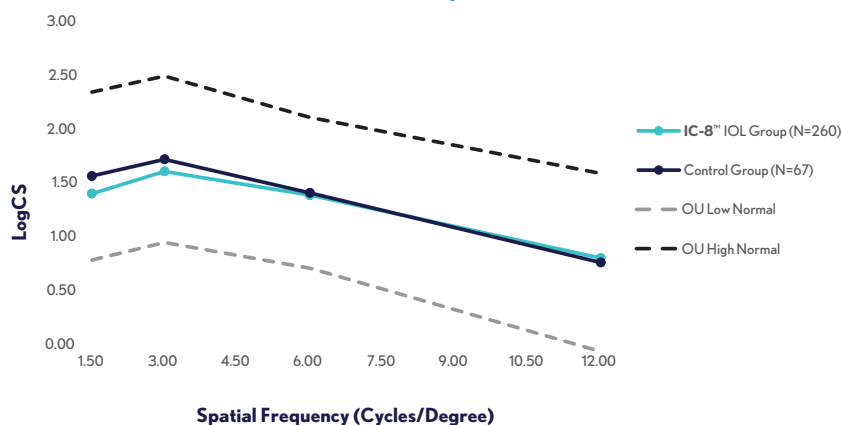
## Seamless vision day to night

With both eyes working together, the **IC-8™** IOL provides monofocal-like binocular contrast sensitivity in bright and low light conditions.<sup>1</sup>

### Binocular Mesopic without Glare<sup>1</sup>



### Binocular Mesopic with Glare<sup>1</sup>



The low and high normal curves are defined as 1.96 SD from Control Group's CS curve



# Experience the power of FOCUSED LIGHT

<b>Model</b>	<b>IC-8™ IOL</b>	
<b>Material (Optic and Haptic)</b>	Hydrophobic Acrylic UV-blocking	
<b>Powers</b>	+10.0 D through +30.0 D in 0.5 D increments	
<b>Optic Type</b>	Single piece Biconvex, anterior aspheric surface	
<b>Optic diameter (Øb)</b>	6.0 mm	
<b>Overall diameter (Øb)</b>	12.5 mm	
<b>Optic edge design</b>	360° posterior square edge	
<b>Haptic design</b>	Modified C-loop haptic with 5° angulation	
<b>Refractive index</b>	1.483 at 35°C and 589 nm	
<b>FilterRing™ component material</b>	Polyvinylidene fluoride (PVDF) with carbon black	
<b>FilterRing component outer diameter</b>	3.23 mm	
<b>FilterRing component outer diameter (aperture)</b>	1.36 mm	

<b>Delivery System</b>	Sterile Single-Use <b>IC-8™</b> IOL Injector System Recommended Incision Size: 3.5mm	
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<b>Biometry</b>	<b>Optical</b>	<b>Ultrasound</b>
A-Constant:	120.5	120.15
Surgeon Factor:	2.64	2.44
ACD:	6.42	6.22

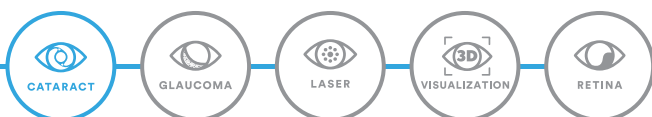
**Note:** Ultrasound lens ACD (Anterior Chamber Depth) was generated by subtracting 0.2 mm from the optical lens ACD. Ultrasound A-constant and surgeon factors were calculated from the ultrasound lens ACD.

Constants are estimates only. It is recommended that each surgeon develops their own values.

**REFERENCES:** **1.** Food and Drug Administration. (2002). IC-8 Aphthera Intraocular Lens (IOL) - P210005: FDA Summary of Safety and Effectiveness Data. Accessed April 27, 2023. [https://www.accessdata.fda.gov/cdrh\\_docs/pdf21/P210005B.pdf](https://www.accessdata.fda.gov/cdrh_docs/pdf21/P210005B.pdf)  
**2.** Burkhard Dick, et al. Prospective multicenter trial of a small-aperture intraocular lens. J Cataract Refract Surg. 2017;43(7):956-968. **3.** Warren Hill, MD, Keratometry Databases, n=6,000. <https://www.doctor-hill.com/physicians/docs/Astigmatism.pdf> **4.** Acufocus Inc Test report: HP-SA-IOL-G1.3 IC-8 IOL Depth of Focus\_ Dec2018

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