

Purely High Definition

Introducing **TECNIS PureSee™ IOL**, the new purely refractive PC-IOL from the **TECNIS™ IOL** platform with continuous-power technology. Designed to deliver pure and predictable high-quality vision with minimum photic phenomena.¹⁻⁴

Redefining
vision needs



Purely
refractive
design



High-quality
vision



Ease of use



TECNIS
PureSee™
Toric II IOL



References:

1. **TECNIS PureSee™ IOL** with **TECNIS Simplicity™** Delivery System, Model DEN00V, DFU INT, Z311782, current revision.
2. DOF2023CT4012 - Photic phenomena evaluation of the **TECNIS PureSee™ IOL** using natural images. 29 March 2023.
3. Black D, et al. Superior intermediate and uncompromised distance quality of vision with a purely refractive extended depth of focus IOL. Abstract ESCRS 2023. REF2023CT4128.
4. Black D, et al. Clinical evaluation of tolerance to residual refractive errors following implantation with a refractive extended-depth-of-focus (EDF) IOL. Abstract ESCRS 2023. REF2023CT4129.



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Toric II IOL

Specifications

Redefining vision needs

Unmet Needs of Patients and Surgeons

Living longer active lifestyles, patients may have a variety of IOL visual needs.¹⁻³



Low level of disturbing visual symptoms



Continuous crisp and clear vision



Good vision day and night

Patient experience can have a direct impact on staff morale, practice economics and physician reimbursement.⁴⁻⁶

Surgeons need an IOL with high tolerance to refractive error for more consistent patient outcomes

References:

1. UN – Department of Economic and Social Affairs. Leaving No One Behind In An Ageing World – World Social Report 2023. REF2023CT4338.
2. Szanton SL, et al. Older adults' favorite activities are resoundingly active: Findings from the NHATS study. Geriatr Nurs 2015;36(2):131-135. REF2021OTH4024.
3. Grzybowski A, et al. Methods for evaluating quality of life and vision in patients undergoing lens refractive surgery. Graefes Arch Clin Exp Ophthalmol 2019;257:1091-1099. REF2021CT4246.
4. Hamilton DR. Barrier to success with PC-IOLs – Improve your presbyopia-correcting IOL conversion rates by communicating their value and benefits. Ophthalmology Management. Dec. 1, 2019. Available from: <https://www.opththalmologymanagement.com/issues/2019/december-2019/barriers-to-success-with-pc-iols>. REF2021CT4133.
5. Linnehan R. Satisfied customers: The end result of a successful patient journey. Ocular Surgery News 2019; retrieved from <https://www.healio.com/news/ophthalmology/20191112/satisfied-customers-the-end-result-of-a-successful-patient-journey>. REF2023CT4059.
6. Ciulla T, et al. Lean six sigma techniques to improve ophthalmology clinic efficiency. Retina 2018;38:1688-1698. REF2023CT4058.



Redifining vision needs

Purely refractive design


High-quality vision

Ease of use

TECNIS PureSee™ Toric II IOL


Specifications

Purely high definition



Purely refractive design

Purely refractive presbyopia-correcting IOL with monofocal-like dysphotopsia profile¹⁻³



High-quality vision

Provides monofocal-like quality of vision³



Ease of use

High patient and surgeon satisfaction⁴

References:

1. TECNIS PureSee™ IOL with TECNIS Simplicity™ Delivery System, Model DEN00V, DfU INT, Z311782, current revision.
2. DOF2023CT4012 - Photoc phenomena evaluation of the TECNIS PureSee™ IOL using natural images. 29 March 2023.
3. Vilupuru S, et al. Clinical evaluation of a new Extended Depth of Focus intraocular lens based on a refractive technology. Abstract ISOP 2023. REF2023CT4178.
4. DOF2023CT4043 - Clinical Investigation of the TECNIS™ IOL, Models C1V000 and C2V000. Patient Satisfaction Outcomes. 18 July 2023.

Purely refractive design

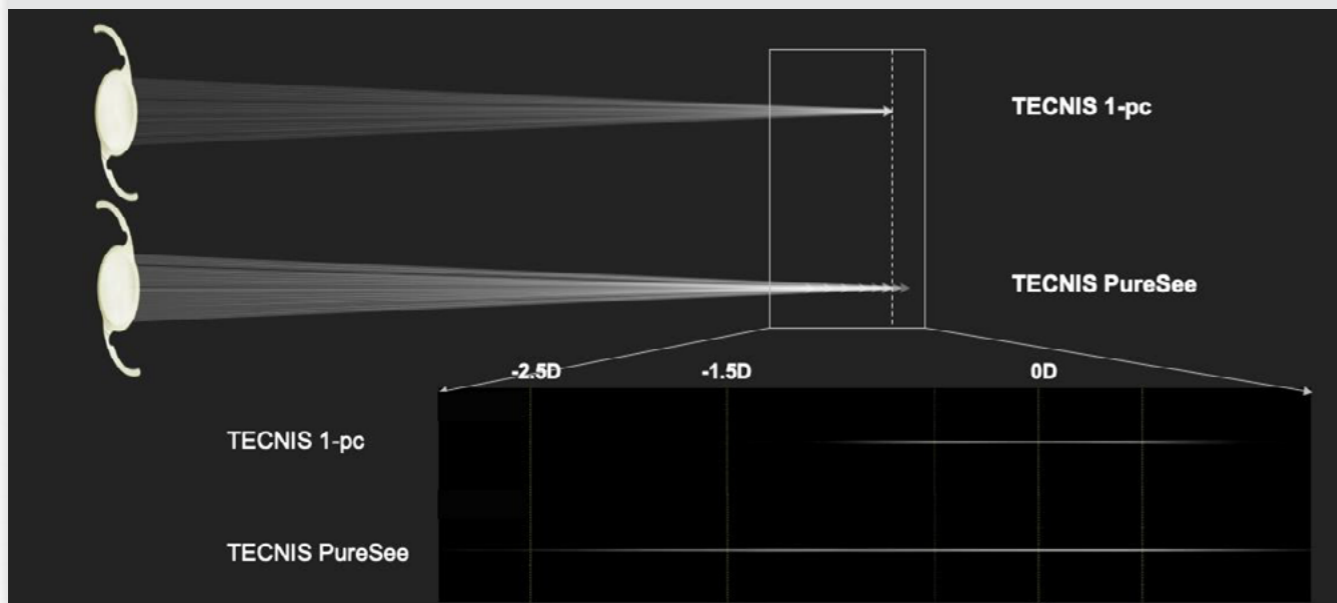
TECNIS PureSee™ IOL is based on **proprietary refractive technology** that enables **continuous changes in power** with a **modified refractive design** on the posterior optic.¹

The **anterior aspheric optic** is designed to **compensate spherical aberrations** of the cornea, equivalent to any TECNIS™ IOL.¹

TECNIS PureSee™ IOL shows a monofocal-like dysphotopsia profile²



The presbyopia-correcting IOL provides excellent distance, intermediate and a functional near vision.¹



References:

1. TECNIS PureSee™ IOL with TECNIS Simplicity™ Delivery System, Model DEN00V, DfU INT, Z311782, current revision.
2. DOF2023CT4012 - Photic phenomena evaluation of the TECNIS PureSee™ IOL using natural images. 29 March 2023.



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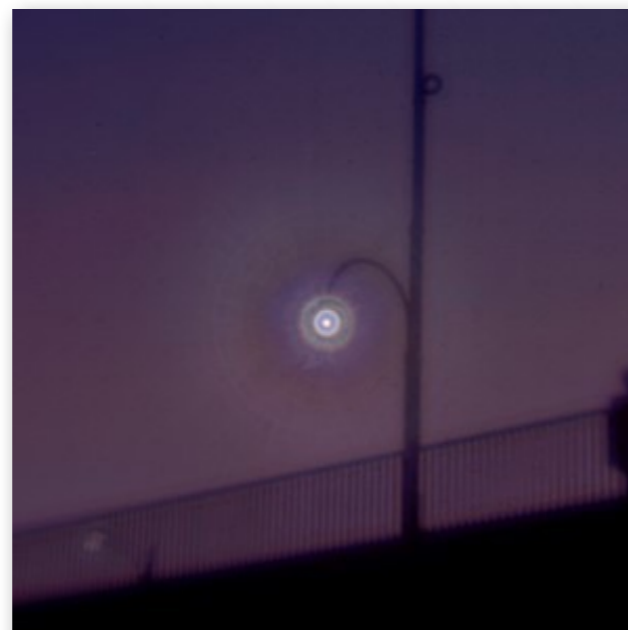
TECNIS PureSee™
Toric II IOL

Specifications

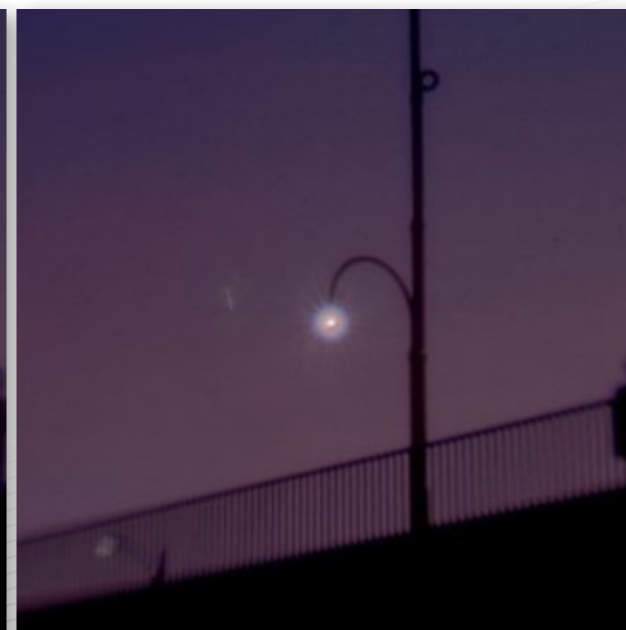
Dysphotopsia profile comparable to monofocal IOLs¹



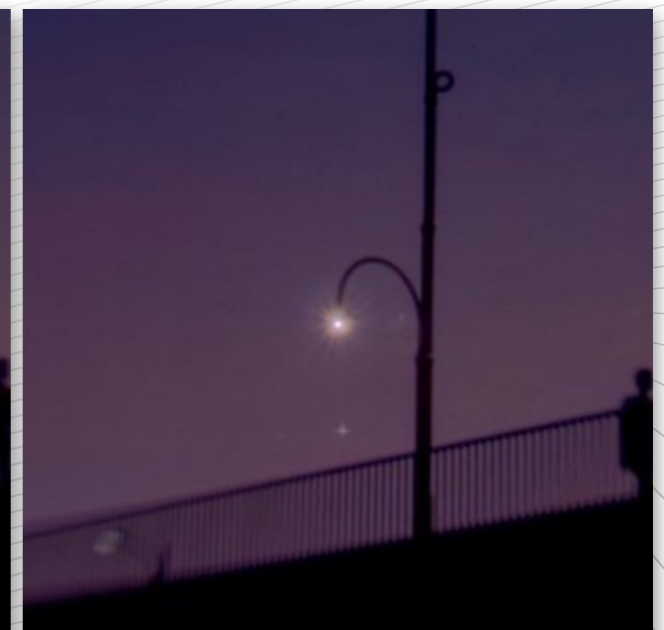
TECNIS PureSee™ IOL
Model DEN00V



TECNIS Symphony™ IOL



TECNIS PureSee™ IOL



TECNIS™ Monofocal
1-Piece IOL

Optical bench testing

Reference:

1. DOF2023CT4012 Photic phenomena evaluation of the TECNIS PureSee™ IOL using natural images. 29 March 2023.



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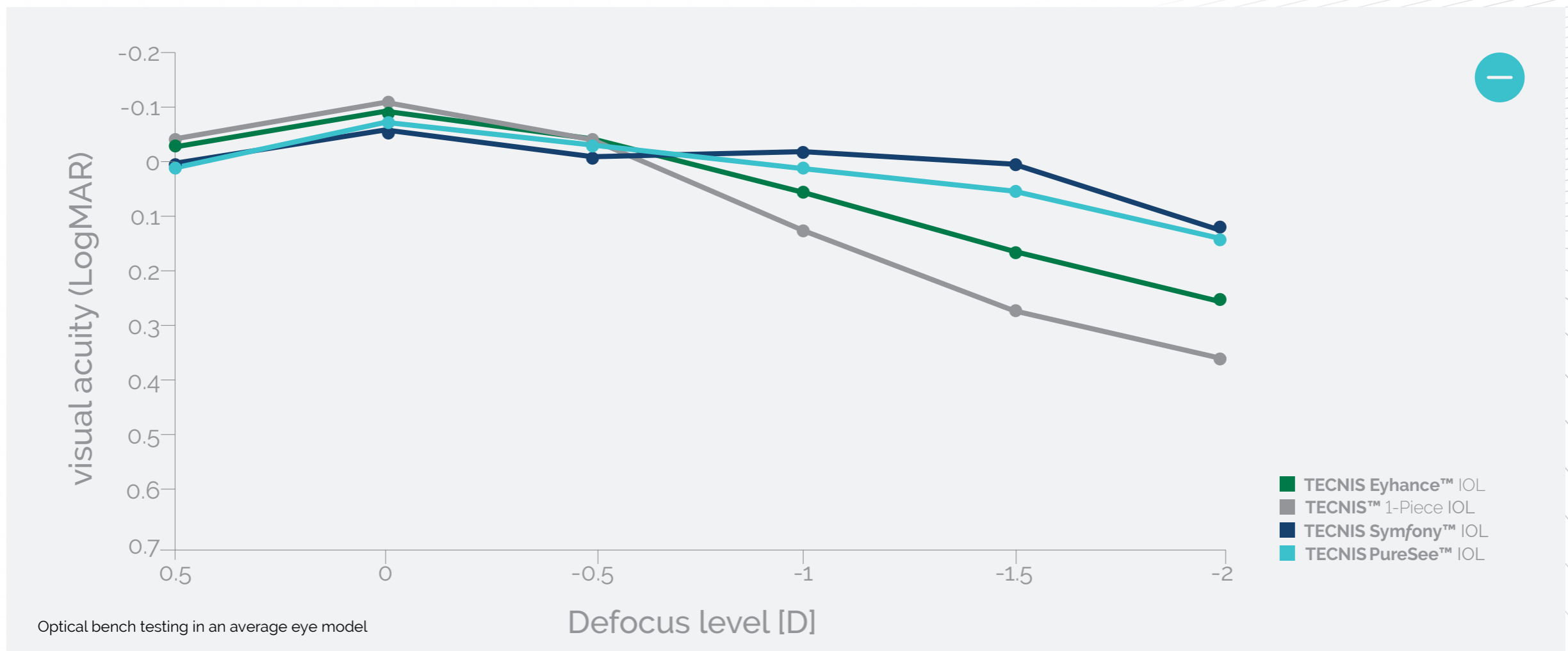
High-quality
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Toric II IOL

Specifications

Range of vision provides excellent distance, intermediate and functional near vision.^{1,2}



References:
 1. DOF2023CT4016 Simulated VA of the TECNIS PureSee™ IOL compared to TECNIS Eyhance™ and TECNIS™ 1 Piece IOL. 29 March 2023.
 2. DOF2023CT4027 Simulated VA of the TECNIS PureSee™ IOL compared to TECNIS Symphony™ IOL. 15 March 2023.

Purely high definition



Purely refractive design

Purely refractive presbyopia-correcting IOL with monofocal-like dysphotopsia profile¹⁻³



High-quality vision

Provides monofocal-like quality of vision³



Ease of use

High patient and surgeon satisfaction⁴

References:

1. TECNIS PureSee™ IOL with TECNIS Simplicity™ Delivery System, Model DEN00V, DfU INT, Z311782, current revision.
2. DOF2023CT4012 - Photoc phenomena evaluation of the TECNIS PureSee™ IOL using natural images. 29 March 2023.
3. Vilupuru S, et al. Clinical evaluation of a new Extended Depth of Focus intraocular lens based on a refractive technology. Abstract ISOP 2023. REF2023CT4178.
4. DOF2023CT4043 - Clinical Investigation of the TECNIS™ IOL, Models C1V000 and C2V000. Patient Satisfaction Outcomes. 18 July 2023.

High-quality vision



TECNIS PureSee™ IOL
provides similar mesopic
contrast level compared to
TECNIS Eyhance™ IOL¹



> 35% higher image
contrast than competitive
EDOF IOLs (5 mm) and less
pupil dependency²⁻⁵



References:

1. DOF2023CT4036 – Clinical Investigation of the TECNIS™ IOL, Models C1V000 and C2V000. Contrast Sensitivity Outcomes. 17 July 2023.
2. DOF2023CT4017 – MTF of the Bausch & Lomb LuxSmart IOL. 28 March 2023.
3. DOF2023CT4018 – MTF of the SIFI MiniWell IOL. 28 March 2023.
4. DOF2023CT4028 – Simulated VA of the TECNIS PureSee™ IOL compared to Vivity. 24 April 2023.
5. DOF2023CT4025 – MTF of TECNIS PureSee™ IOL and other lens models in low-light conditions. 4 April 2023.



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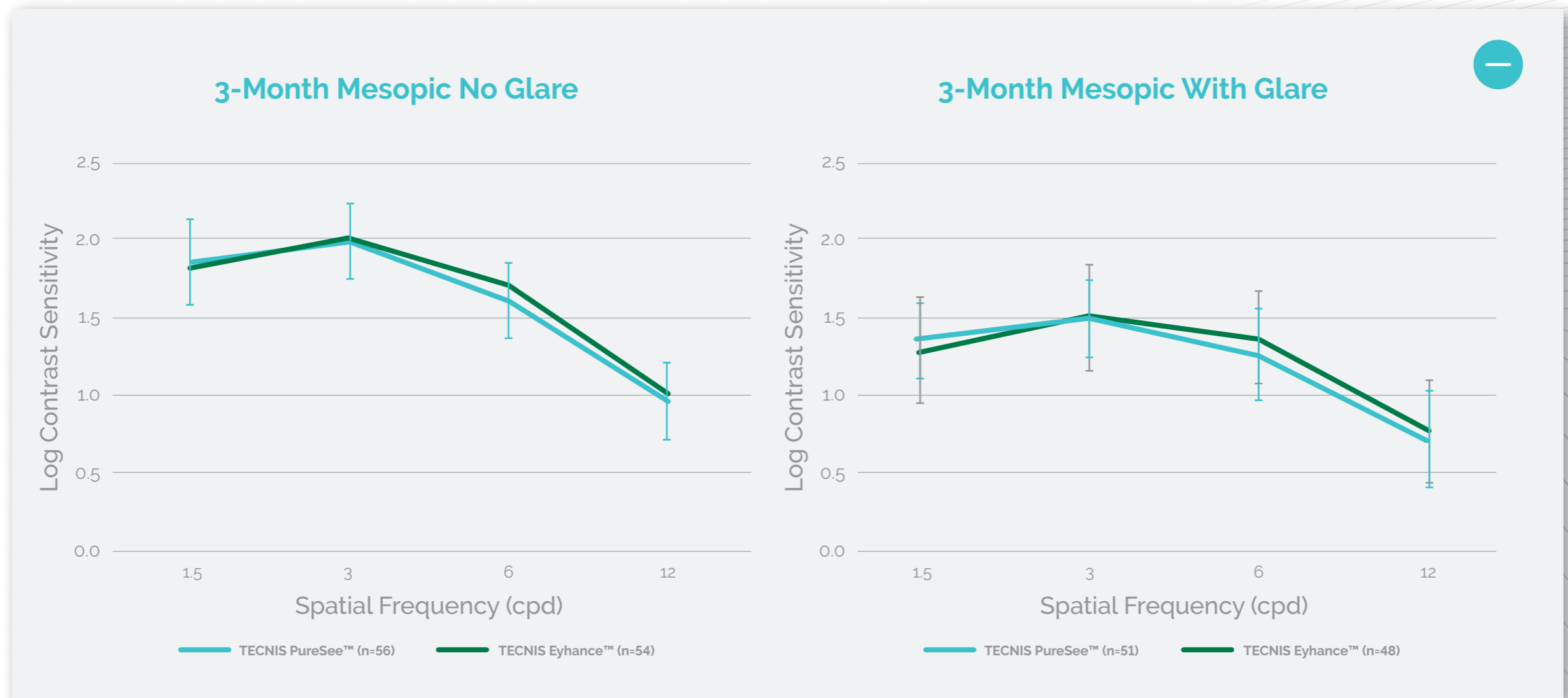
High-quality
vision

Ease of use

TECNIS PureSee™
Toric II IOL

Specifications

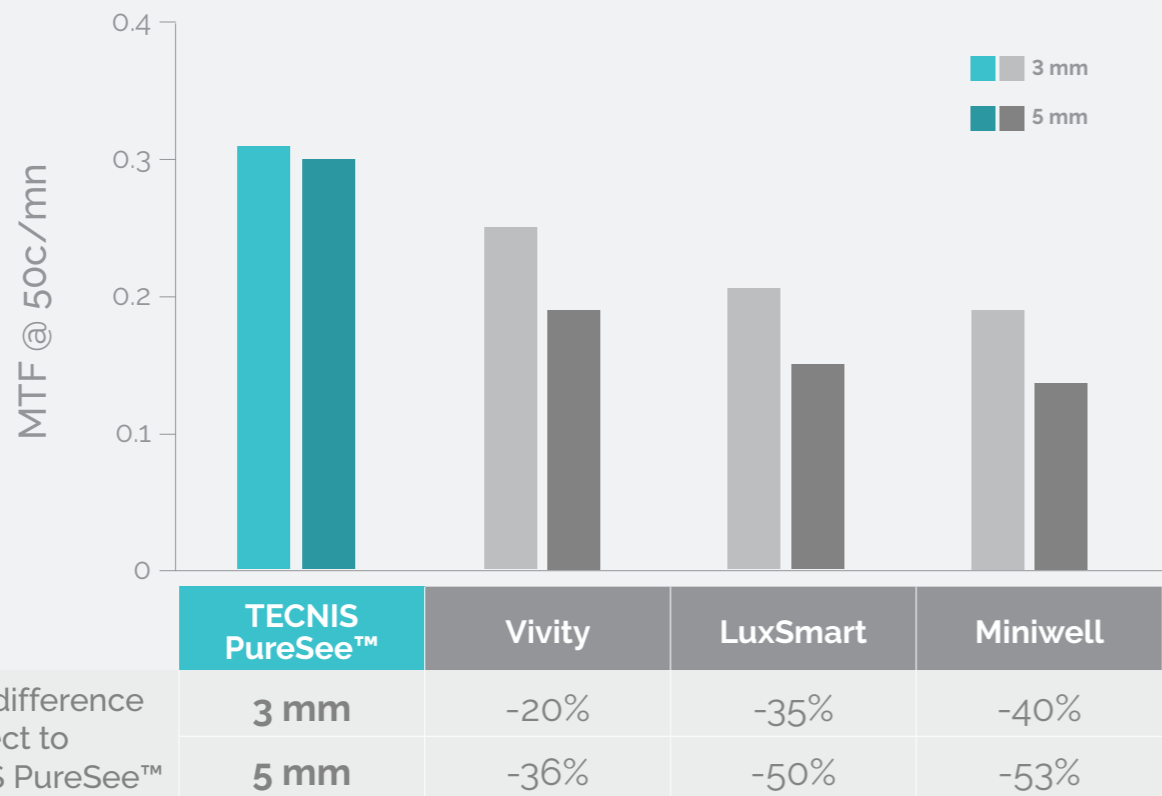
TECNIS PureSee™ IOL provides monofocal-like quality of vision¹



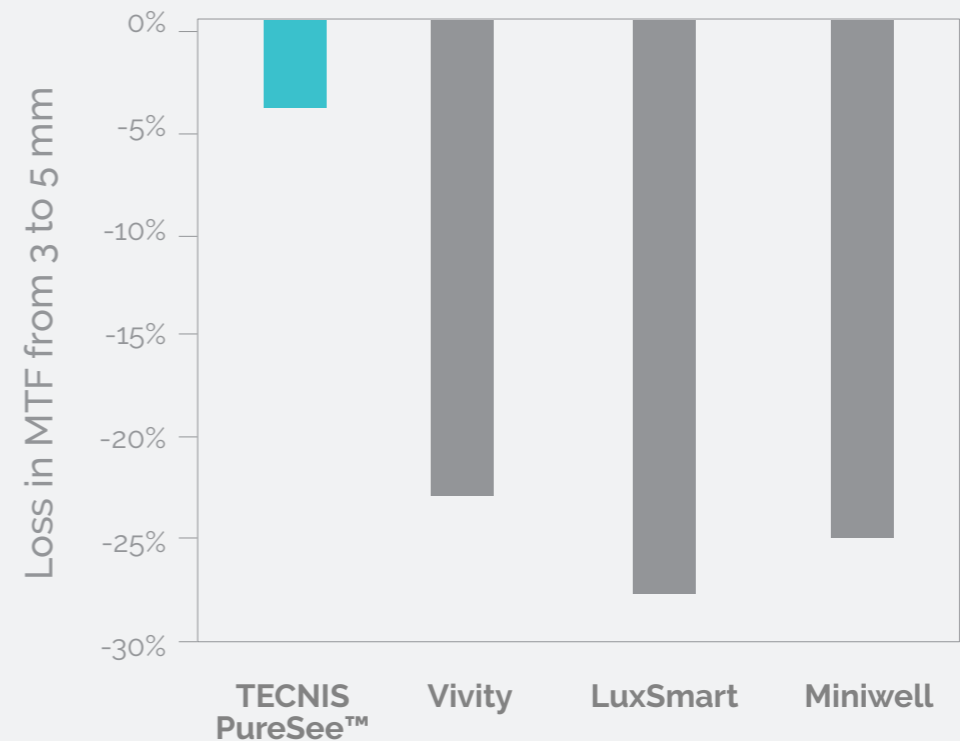
Reference:
1. DOF2023CT4036 Clinical Investigation of the TECNIS™ Intraocular Lens, Models CV1000 and CV2000. Contrast Sensitivity Outcomes. 17 July 2023.

The **TECNIS PureSee™** IOL provides superior distance image contrast and less pupil dependency than other EDOF IOLs¹⁻⁴

Distance image quality
Optical bench testing in an average eye model



Relative MTF decrease when pupil increases from photopic (3 mm) to mesopic (5 mm) light conditions



References:

1. DOF2023CT4017 – MTF of the Bausch & Lomb LuxSmart IOL. 28 March 2023.
2. DOF2023CT4018 – MTF of the SIFI MiniWell IOL. 28 March 2023.
3. DOF2023CT4025 – MTF of TECNIS PureSee™ IOL and other lens models in low-light conditions. 4 April 2023.
4. DOR2023CT4028 – Simulated VA of the TECNIS PureSee™ IOL compared to Vivity. 24 April 2023.



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design

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Ease of use

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Toric II IOL

Specifications

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Purely refractive design

Purely refractive presbyopia-correcting IOL with monofocal-like dysphotopsia profile¹⁻³



High-quality vision

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Ease of use

High patient and surgeon satisfaction⁴

References:

1. TECNIS PureSee™ IOL with TECNIS Simplicity™ Delivery System, Model DEN00V, DfU INT, Z311782, current revision.
2. DOF2023CT4012 - Photoc phenomena evaluation of the TECNIS PureSee™ IOL using natural images. 29 March 2023.
3. Vilupuru S, et al. Clinical evaluation of a new Extended Depth of Focus intraocular lens based on a refractive technology. Abstract ISOP 2023. REF2023CT4178.
4. DOF2023CT4043 - Clinical Investigation of the TECNIS™ IOL, Models C1V000 and C2V000. Patient Satisfaction Outcomes. 18 July 2023.

Ease of use



TECNIS PureSee™ IOL provides high tolerance to refractive error, and delivers good outcomes even under defocus.¹⁻³



Patients show a high satisfaction rate and would recommend the lens to others.⁴



Preloaded in the **TECNIS SIMPLICITY™** Delivery System for safe and easy delivery⁵

References:

1. Black D, et al. Clinical evaluation of tolerance to residual refractive errors following implantation with a refractive extended-depth-of-focus (EDF) IOL. Abstract ESCRS 2023. REF2023CT4129.
2. DOF2023CT4011 - Simulations of visual symptoms under defocus for **TECNIS PureSee™** IOL. 29 March 2023.
3. DOF2023CT4041 - Clinical Investigation of the **TECNIS™** IOL, Models C1V000 and C2V000. Tolerance to Refractive Error. 17 July 2023.
4. DOF2023CT4043 - Clinical Investigation of the **TECNIS™** IOL, Models C1V000 and C2V000. Patient Satisfaction Outcomes. 18 July 2023.
5. **TECNIS PureSee™** IOL with **TECNIS Simplicity™** Delivery System, Model DEN00V, DfU INT, Z311782, current revision.



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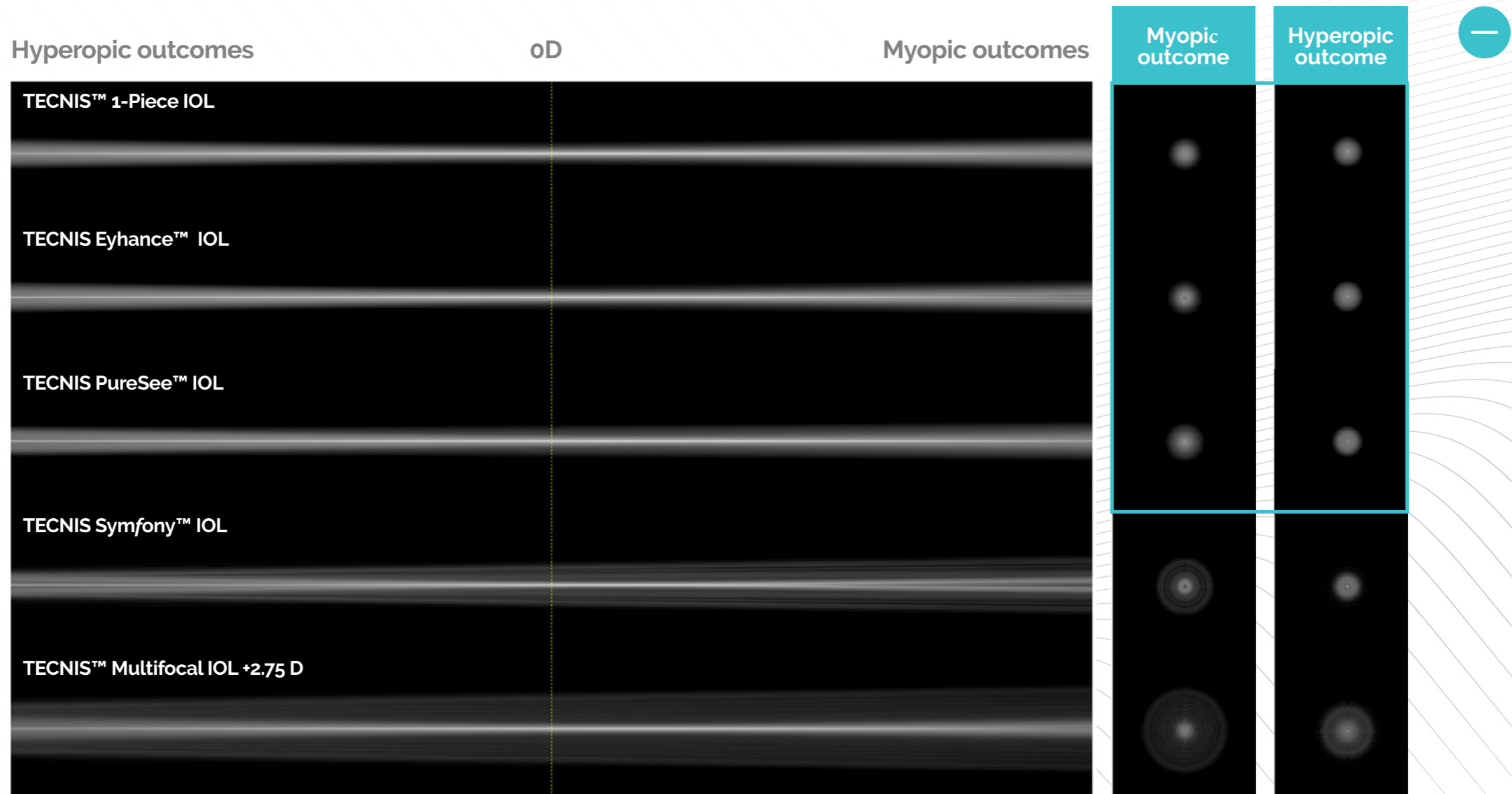
High-quality
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Ease of use

TECNIS PureSee™
Toric II IOL

Specifications

TECNIS™ Monofocal IOL-like dysphotopsia profile even under defocus¹



Reference:

1. DOF2023CT4011 Simulations of visual symptoms under defocus for TECNIS PureSee™ IOL. 29 March 2023.



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Specifications

First clinical study showed high patient satisfaction.¹

97%

of patients would recommend the lens to friends or relatives

88%

of patients were satisfied with their vision overall without glasses

100%

of patients did not need glasses for distance¹



Reference:

1. DOF2023CT4043 – Clinical Investigation of the TECNIS™ IOL, Models C1V000 and C2V000. Patient Satisfaction Outcomes. 18 July 2023.



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Specifications

Experience **TECNIS Simplicity™** Delivery System

Simplify lens delivery with
TECNIS Simplicity™ Delivery
System preloaded with
TECNIS PureSee™ IOLs.



Improve efficiency with
a simple 3-step process²

01. Hydrate
02. Advance
03. Deliver



Minimize risk of
infection associated
with contamination¹

Eliminate manual
loading errors and
IOL touches¹

References:

1. **TECNIS PureSee™** IOL with **TECNIS Simplicity™** Delivery System, Model DEN00V, DFU INT, Z311782, current revision.
2. Delta IOL Delivery System - Human Factors Validation Report. Dec. 12, 2018. REF2019CT4449.



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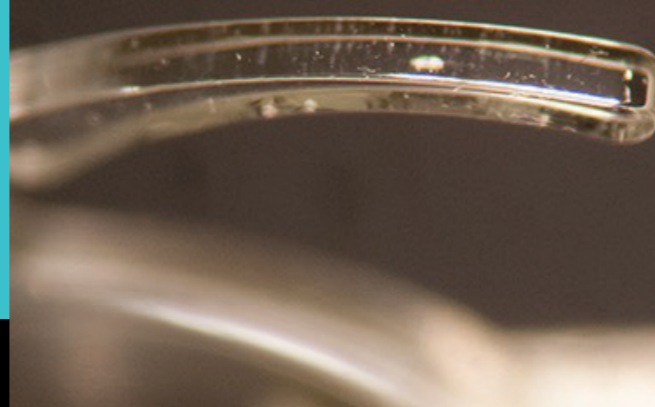
Specifications

Engineered for rotational stability

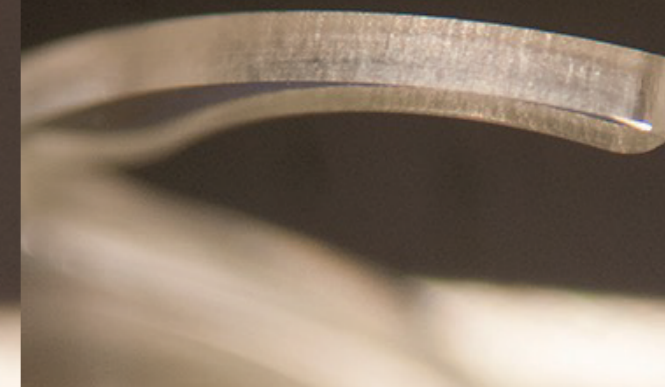
Frosted haptic design increases the amount of friction between the lens haptic surface and the capsular bag to lock in the IOL for rotational stability and visual performance.^{1,2}



Polished haptics



Squared and frosted haptics



TECNIS™ Toric II IOL key study results

Exceptional mean rotational stability of 0.94° at 3 months after surgery.²

100% ≤5° rotation at 3 months.²

References:

1. TECNIS PureSee™ Toric II IOL with TECNIS Simplicity™ Delivery System, Model DET (DET100-DET600), DFU INT, Z311783, current revision.
2. DOF2021CT4019 - Clinical Investigation of Rotational Stability of the TECNIS™ Toric II IOL - Steele Study - NXGT-202-QROS. 20 Aug. 2021



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Specifications

TECNIS PureSee™ IOL

with TECNIS SIMPLICITY™ Delivery System

OPTICAL CHARACTERISTICS ¹		
Model Number:	DEN00V	
Powers:	+5.0 D to +34.0 D in 0.5 diopter increments	
Diameter:	6.0 mm	
Center Thickness:	0.7 mm (20.0 D)	
Shape:	Biconvex, wavefront-designed anterior aspheric surface, proprietary refractive surface to increase the depth of focus	
Material:	UV-absorbing hydrophobic acrylic with violet-light filter	
Refractive Index:	1.47 at 35° C	
Edge Design:	ProTEC frosted, continuous 360° posterior square edge	
BIOMETRY*	CONTACT ULTRASOUND [†]	OPTICAL ^{**}
A-constant:	118.8	119.3
AC Depth:	5.4 mm	5.7 mm
Surgeon Factor: ²	1.68 mm	1.96 mm
HAPTIC CHARACTERISTICS ¹		
Overall Diameter:	13.0 mm	
Thickness:	0.46 mm	
Style:	C	
Material:	UV-absorbing hydrophobic acrylic with violet-light filter	
Design:	TRI-FIX , Haptics offset from optic; 1-piece lens	
Preloaded TECNIS SIMPLICITY™ Delivery System		

* Value theoretically derived for a typical 22.0 D lens. Johnson & Johnson Surgical Vision, Inc. recommends that surgeons personalize their A-constant based on their surgical techniques and equipment, experience with the lens model and postoperative results.

[†] IOL constants have been theoretically derived for contact ultrasound.

^{**} IOL constants have been derived from clinical evaluation results of the **TECNIS™** 1-Piece IOL Platform.

References:

1. **TECNIS PureSee™** with **TECNIS Simplicity™ Delivery System**. Model DEN00V, Z311782, current revision.
2. Calculated based on Holladay I formula - Holladay JT. International Intraocular Lens and Implant Registry 2003. J Cataract Refract Surg 2003;29:176-197. REF2016CT0151.

TECNIS PureSee™ IOL

with TECNIS SIMPLICITY™ Delivery System

Toric II

OPTICAL CHARACTERISTICS ¹								
Model Number:	DET 100	DET 150	DET 225	DET 300	DET 375	DET 450	DET 525	DET 600
Cylinder Powers - IOL Plane	1.00 D	1.50 D	2.25 D	3.00 D	3.75 D	4.50 D	5.25 D	6.00 D
Cylinder Powers - Corneal Plane	0.69 D	1.03 D	1.54 D	2.06 D	2.57 D	3.08 D	3.60 D	4.11 D
Powers:	+5.0 D to +34.0 D in 0.5 diopter increments							
Diameter:	6.0 mm							
Center Thickness:	0.7 mm (20.0 D)							
Shape:	Biconvex, wavefront-designed anterior aspheric surface, posterior refractive surface to increase the depth of focus							
Material:	UV-absorbing hydrophobic acrylic with violet-light filter							
Refractive Index:	1.47 at 35° C							
Edge Design:	ProTEC frosted, continuous 360° posterior square edge							
BIOMETRY*	CONTACT ULTRASOUND [†]				OPTICAL ^{**}			
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1. **TECNIS PureSee™ Toric II IOL** with **TECNIS Simplicity™ Delivery System**. Model DET (DET100-DET600) - IfU INT - Z311783, current revision.
2. Calculated based on Holladay I formula - Holladay JT, et al. A three-part system for refining intraocular lens power calculations. J Cataract Refract Surg 1988;14(1):17-24. REF2014CT0092.

For healthcare professionals only. Please reference the Instructions for Use for a complete list of Indications and Important Safety Information and contact our specialists in case of any question. ©Johnson & Johnson Surgical Vision, Inc. 2023 2024PP04529



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