

FOCUS ON VALUE



Nearly 20% of people living in the EU-28 are 65 years old or older¹



~5.2 million cataract surgeries estimated for Europe in 2021²

Older adults lead active lifestyles, necessitating a variety of visual needs:³

**Wide range
of vision**



**Low level of
disturbing
visual symptoms**



**Excellent vision
in dim light**



Despite the need for good vision at a range of distances, presbyopia is corrected **in only 9% of cataract** surgeries⁴

Dysphotopsia and contrast sensitivity are visual concerns of older adults

Glare and halos (dysphotopsia) not only disrupt vision, but can **reduce visual contrast** and **interfere** with **activities**⁵



Contrast sensitivity can be more **important** than visual acuity for patients during certain **activities**⁶



TECNIS® IOLs powered by InteliLight™

InteliLight™ is an innovative combination of three proprietary technologies



High-resolution Echelette

Extends the depth of focus for uninterrupted vision far through near⁷

Advanced lathing reduces light scatter and halo intensity^{8,9}



Violet Light Filter

Designed to mitigate dysphotopsia including halo, glare, and starburst¹⁰

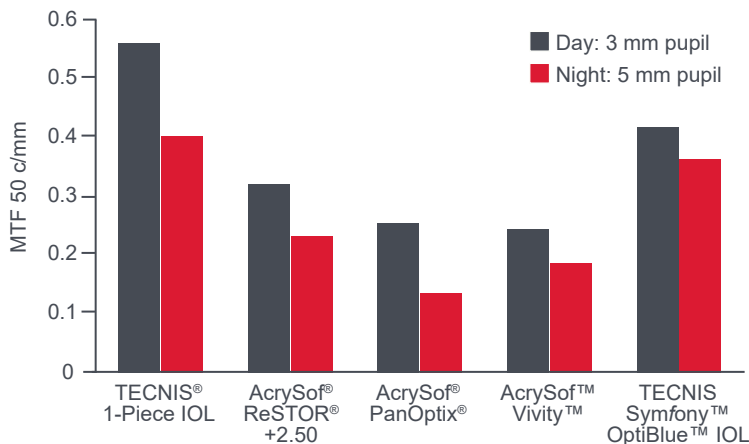


Achromatic Technology

Corrects chromatic aberration for enhanced image contrast day and night¹¹

With increasing age, contrast sensitivity may significantly impact activities

TECNIS® presbyopia correcting IOLs powered by InteliLight™ deliver better image contrast day and night when compared to competitor IOLs¹¹⁻¹⁴



Modulation transfer (MTF) has been measured for a set of lens models, in a similar manner, using the Average Cornea functionEye (ACE) model in white light. The ACE model is designed to simulate the spherical and chromatic aberration of the average natural human cornea.



Reduced ability to perceive contrast has been reported to increase the risk of falls¹⁵

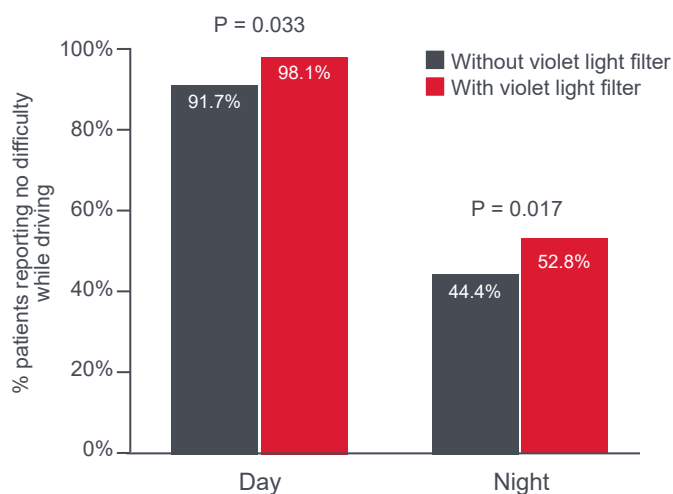
Decreased contrast sensitivity can reduce mobility, cause a fear of falling, and may affect navigating steps^{6,16}

A patient's fall could cost the patient and caregiver between €1,742 and €22,120 Euros¹⁷

Evidence shows that TECNIS® IOLs powered by InteliLight™ may deliver outcomes valued by patients

TECNIS® IOLs powered by InteliLight™ are designed for visual needs when it matters most

More patients with the **violet light filter** reported **no difficulty with their vision while driving day and night** compared to those without violet light filter⁸



Clinical: With violet light filter study n = 120, Without violet light-filter study n = 120



Driving helps older adults stay mobile and independent, yet there are reported risks

Road Traffic Injuries comprise 24% of total injuries among elderly¹⁸

43% of all elderly road accident casualties are admitted to the hospital¹⁹

Presbyopia-correcting IOLs powered by InteliLight™ deliver high-quality vision for life

Older individuals have an **increased risk** of developing age-related eye conditions that affect **dysphotopsia and contrast sensitivity**, which may:⁶



Increase **cost** of healthcare



Increase **need** for caregivers

Consider a patient's vision for the remainder of their life when choosing an IOL

REFERENCES:

1. Ageing Europe 2019. Looking at the lives of older people in the EU. REF2021OTH4608.
2. Market Scope 2021. 2021 IOL Market Report – Global Analysis for 2020 to 2026. P. 45, table 7. REF2021CT4191.
3. Szanton SL, et al. Older adults' favorite activities are resoundingly active: findings from the NHATS study. *Geriatr Nurs* 2015;36(2):131-135. REF2021OTH4024.
4. ASCRS. 2018. Sixth annual ASCRS Clinical Survey. REF2021OTH4025.
5. Fisus AD, et al. The prevalence of dysphotopsia in patients with recent cataract surgery. *Acta Medica Marisiensis* 2017;63:15-18. REF2021OTH4026.
6. Rosenthal B, Fischer M. (2014) Functional vision changes in the normal and aging eye. In TL Kauffman (Ed.) *Geriatric Rehabilitation Manual* (2nd Ed, Chpt 51, pg 381-391). China: Elsevier Ltd. REF2021OTH4027.
7. **TECNIS Symfony™ OptiBlue™** Extended Range of Vision IOL, Models ZXR00V and ZXW150-375 - DfU INT - Z311521, Rev. A, May 2021. REF2021CT4161.
8. Canovas C, et al. Optical and Visual Performance of Violet Blocking Intraocular Lenses. ARVO 2019. SC2019CT4025.
9. Faria-Ribeiro M, et al. Effect of blocking violet light in extended depth of focus intraocular lenses. ARVO 2020, SC2019CT4056.
10. DOF2020CT4011 – van der Mooren M. Effect of blocking violet light on light scatter in **TECNIS Symfony™** IOLs. 7 Jan. 2021.
11. DOF2020OTH4010 – Weeber H. MTF of **TECNIS Symfony™ OptiBlue™** lenses. 8 Oct. 2020.
12. DOF2020OTH4011 – Weeber H. MTF of Vivity lenses. 8 Oct. 2020.
13. DOF2015CT0020 – Weeber H. MTF of the **TECNIS Symfony™** IOL, and other lens models. 29 June 2015.
14. DOF2019OTH4002 – Weeber H. MTF of the **TECNIS Synergy™ OptiBlue™** IOL , and other lens models. 27 Mar. 2019.
15. Marks R. Falls among the elderly and vision: A Narrative Review. *Open Med J* 2014;1:54-65. REF2021OTH4029.
16. Li Q, et al. Perception of falls and confidence in self-management of falls among older adults. *Int J. environ. Res. Public Health* 2019;16:1-13. REF2021OTH4019.
17. Peel NM. Epidemiology of falls in older age. *Can J Aging* 2011; 30: 7-19. REF2019CT4341.
18. Azami-Aghdash S, et al. Epidemiology of Road Traffic Injuries among Elderly People; A Systematic Review and Meta-Analysis. *Bull Emerg Trauma* 2018;6(4):279-291. REF2021OTH4609.
19. European Commission 2015. Elder Safe – Risks and countermeasures for road traffic of the elderly in Europe. Final Report. P. 54. REF2021OTH4610.

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.