

Stellest®

Essilor®

#1 in spectacle lenses

worldwide*

Essilor® Stellest® lenses
slow down myopia
progression by 67%
on average^{†1}

* Euromonitor, Eyewear 2024 edition; Essilor® International company; worldwide retail value sales at RSP

† Two-year prospective, controlled, randomized, double-masked clinical trial results on 54 myopic children wearing Essilor® Stellest® lenses compared to 50 myopic children wearing single vision lenses in Wenzhou China. Results based on 32 children from the Test Group wearing Essilor® Stellest® lenses at least 12 hours per day every day for two consecutive years.

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Essilor® Stellest® lenses are currently not available in all countries



By 2050, half the world's population, 5 billion people, could be myopic.²

Myopia is an eye condition in which people can see closer objects clearly, but objects farther away appear blurred.³

Today, myopia is becoming increasingly common in younger generations across the world.⁴

Some of the factors that might lead to myopia

- A family history of myopia
- Lifestyle factors such as less time spent outdoors, and more time spent on near activities like reading, and digital devices.⁵

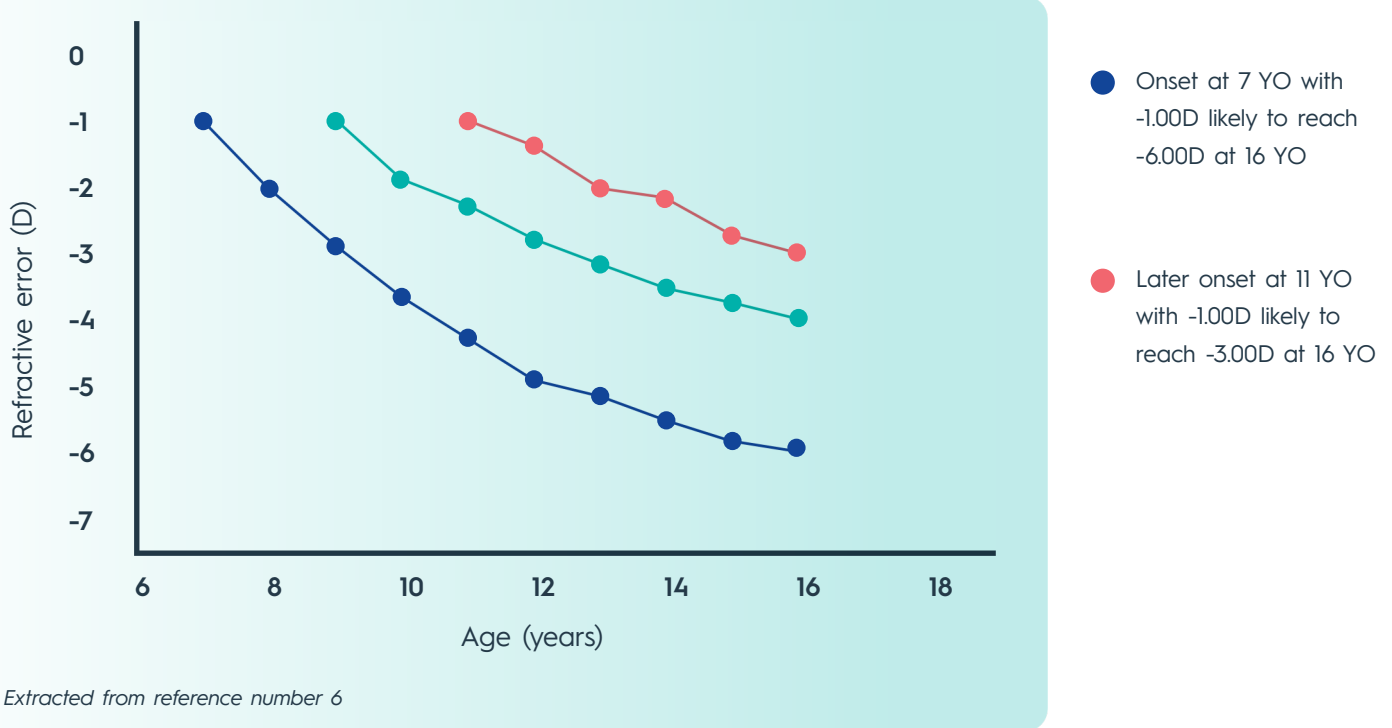


Myopia is a lifelong condition and its progression can continue into (young) adulthood.

Short term, myopia affects children's vision and thereby can impact their quality of life.

In **long-term**, higher levels of myopia are associated with an increased risk of ocular complications and visual impairment later in life.⁴

The younger a child becomes myopic the faster their myopia progresses.⁶



Don't just correct myopia with single vision lenses. Choose to control its progression.

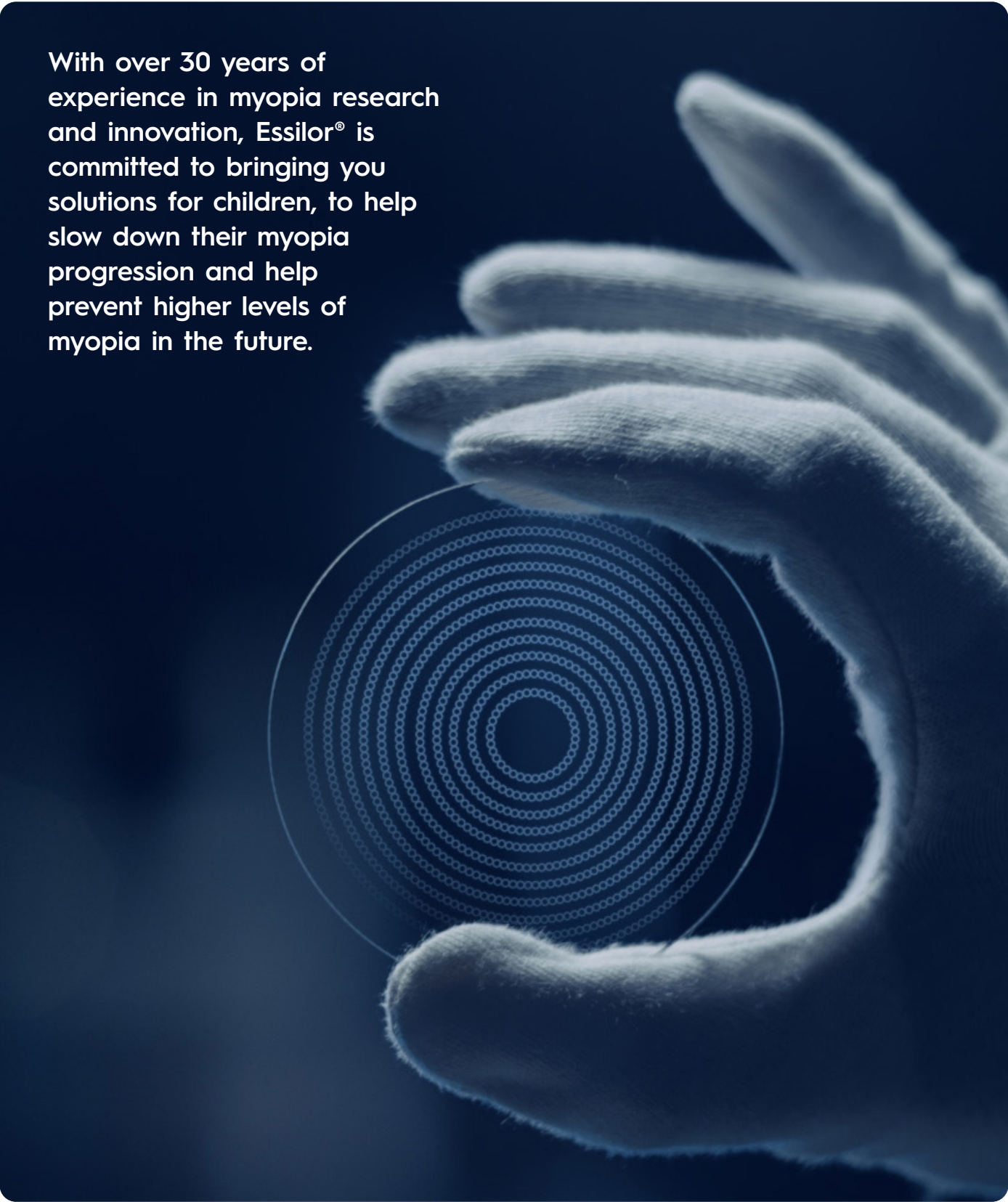
Adopt solutions to control myopia progression as the standard of care for children with myopia.⁷

It represents an enormous opportunity for experts, like you, as it helps in:

- Positively impacting the future of children with myopia
- Fostering long term relationships with children and their families
- Establishing your position as a myopia management expert
- Increasing business opportunities



Essilor® Stellest® lenses, Essilor®'s best solution to slow down myopia progression in children.



With over 30 years of experience in myopia research and innovation, Essilor® is committed to bringing you solutions for children, to help slow down their myopia progression and help prevent higher levels of myopia in the future.

What do Essilor® Stellest® lenses bring to children with myopia?

-  **Correct Myopia**
Vision as clear as with single vision lenses⁸
-  **Control Myopia Progression**
67% myopia progression slowdown on average^{*1}
-  **No Compromises**
Aesthetic, simple and safe¹⁹
Comfortable, and easy to adapt for children^{8,10}

Children & teenagers can also benefit from...

- A wide choice of frames
 - Crizal® coating
- 

Crizal® coating is Stellest® lenses treatment that acts as an invisible shield of protection.

Combined with Essilor® Stellest® lenses, Crizal® protects the lenses from reflections, scratches, smudges, dust, water; and the eyes from UV rays.
- Polycarbonate (Airwear®) material:

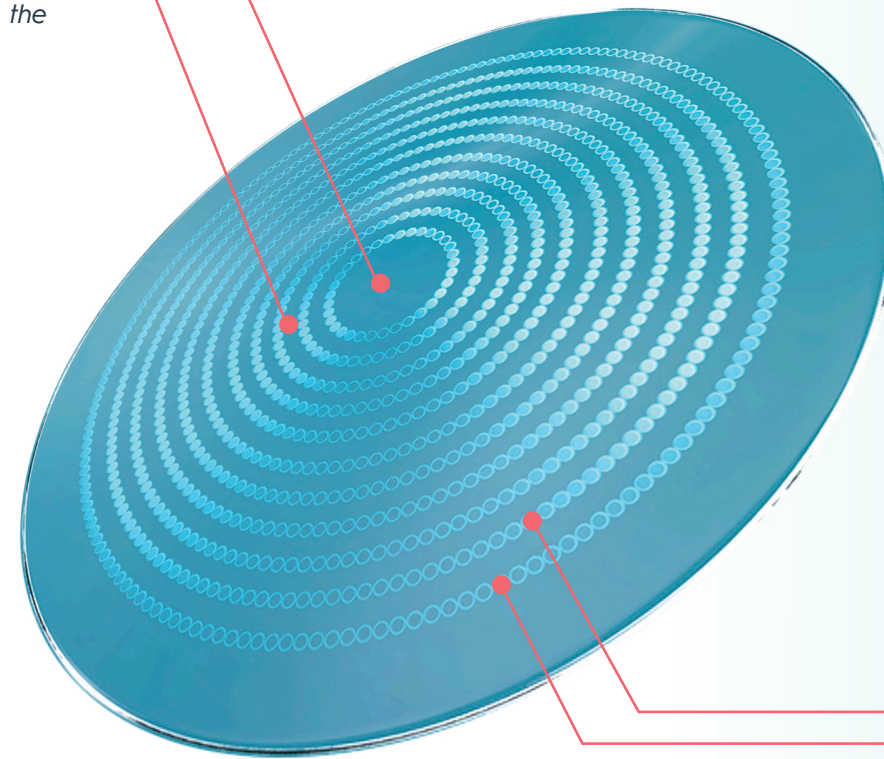
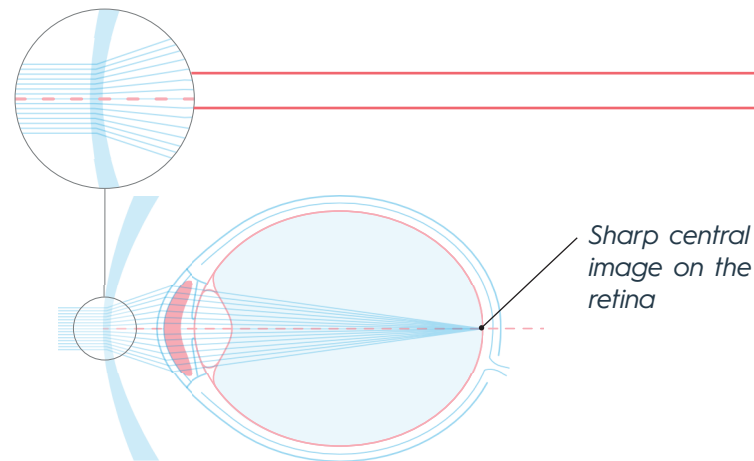
 - Blocks 100% transmission of UV rays.[¶]
 - Up to 40x more impact-resistant than other materials.[‡]
 - Up to 16% lighter[§]
 - Up to 21% thinner[§]

⁸compared to single vision lenses, when worn 12 hours per day every day for two consecutive years.
¹⁰Essilor® Stellest® lenses are made from AIRWEAR® polycarbonate which provides impact-resistance and blocks 100% transmission of UV. In terms of visual performance, research has demonstrated the Essilor® Stellest® lens does not impact central and peripheral visual functions.
^{*1}Test realised on multiple materials 1.50, 1.53, 1.56, 1.60, 1.67 and 1.74 in comparison with 1.59 by an accredited external laboratory using method defined in the safety US standard ANSI/ISEA Z87.1- 2020 clause(s) 714.3 on High Velocity Impact and 9.14 on Prescription Lenses Material Qualification Test using plano lenses with the same hard coat and 2.0mm/-0.2mm center thickness
[§] compared to 1.50 lenses
[¶] ISO 8980-3 Standard defines UV upper limit at 380nm

How do the Essilor® Stellest® lenses work?

Correct myopia with Single Vision Zone

The single vision zone, carrying the prescription of the wearer, provides sharp vision by perfectly focusing light on the retina. The lens design ensures a large single vision zone, guaranteeing good visual acuity and comfort for the wearer.

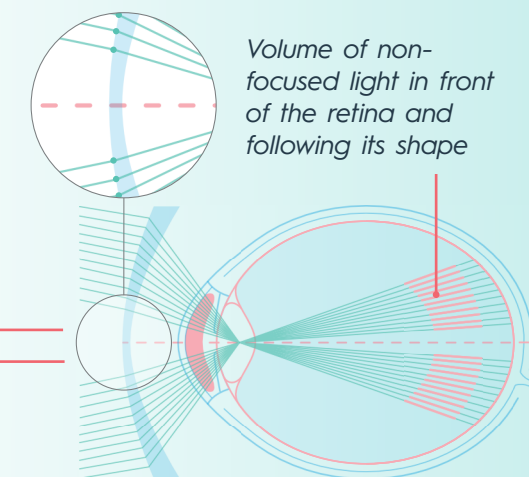


- Essilor® Stellest® lenses slow down myopia progression by **67%** on average.*¹
- After the first and second year, the eye growth of **9 out of 10** children wearing Essilor® Stellest® lenses full time was similar or slower than non-myopic children.¹²
- Essilor® Stellest® lenses slow down axial elongation by **60%** on average.*¹
- **100%** of children adapted within 1 week after first dispensing.⁸

Whereas standard single vision lenses only correct myopia, Essilor® Stellest® lenses correct and can control myopia progression:

Control myopia progression via H.A.L.T. Technology

H.A.L.T. technology consists of 1021 highly aspherical lenslets, arranged over 11 rings of contiguous lenslets, covering 40% of the lens surface. When light rays pass through these aspherical lenslets they create a volume of non-focused light in front of the retina, which follows the shape of a child's theoretical myopic retina.¹¹



The volume of non-focused light provides a myopia progression slow down signal.

Essilor® Stellest® lenses 2-year clinical trial results show that there is greater efficacy when Essilor® Stellest® lenses are worn more than **12 hours per day**, than when worn less than **12 hours per day**.¹

Hence, children should wear Essilor® Stellest® lenses during waking hours for at least **12 hours per day**, every day.

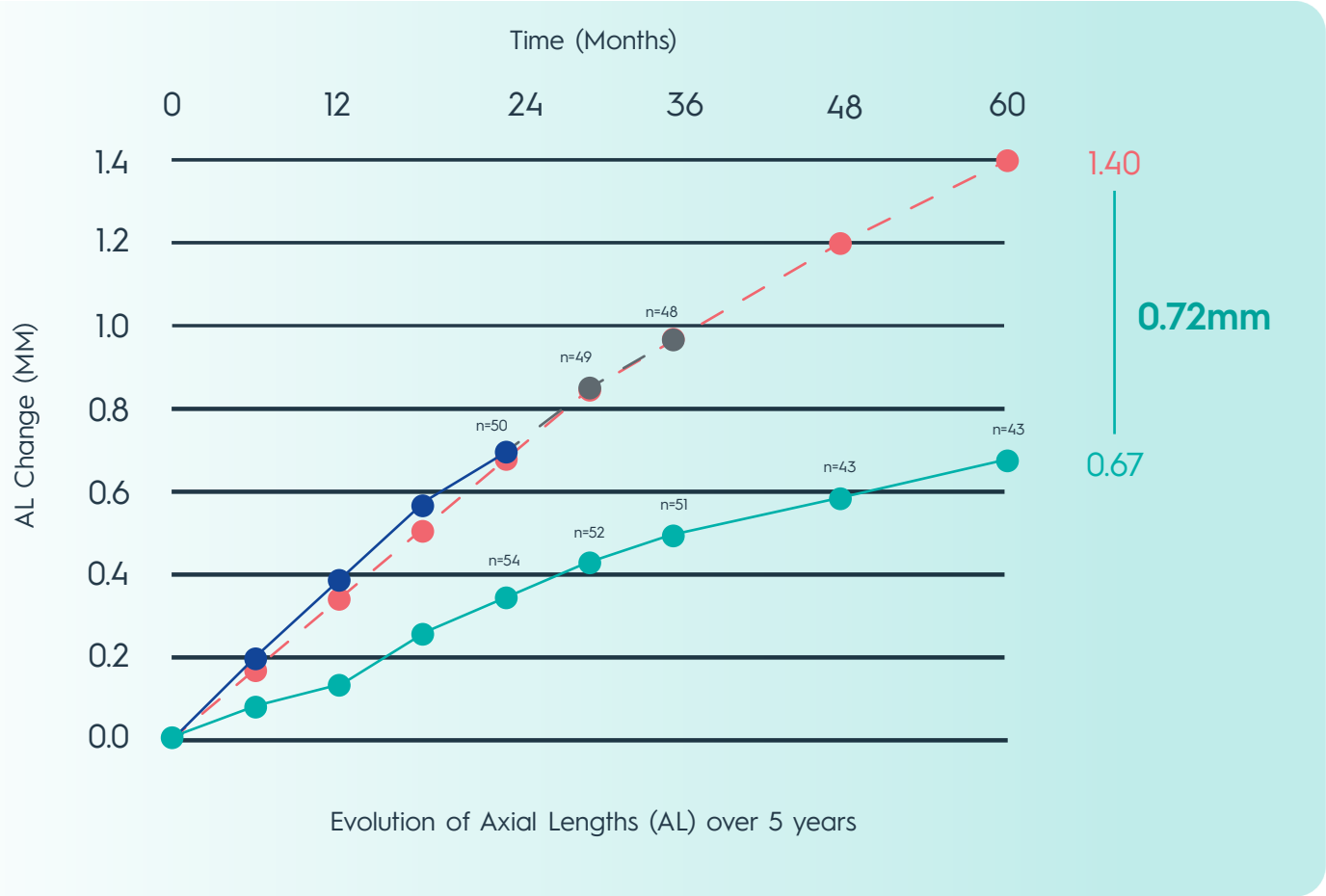
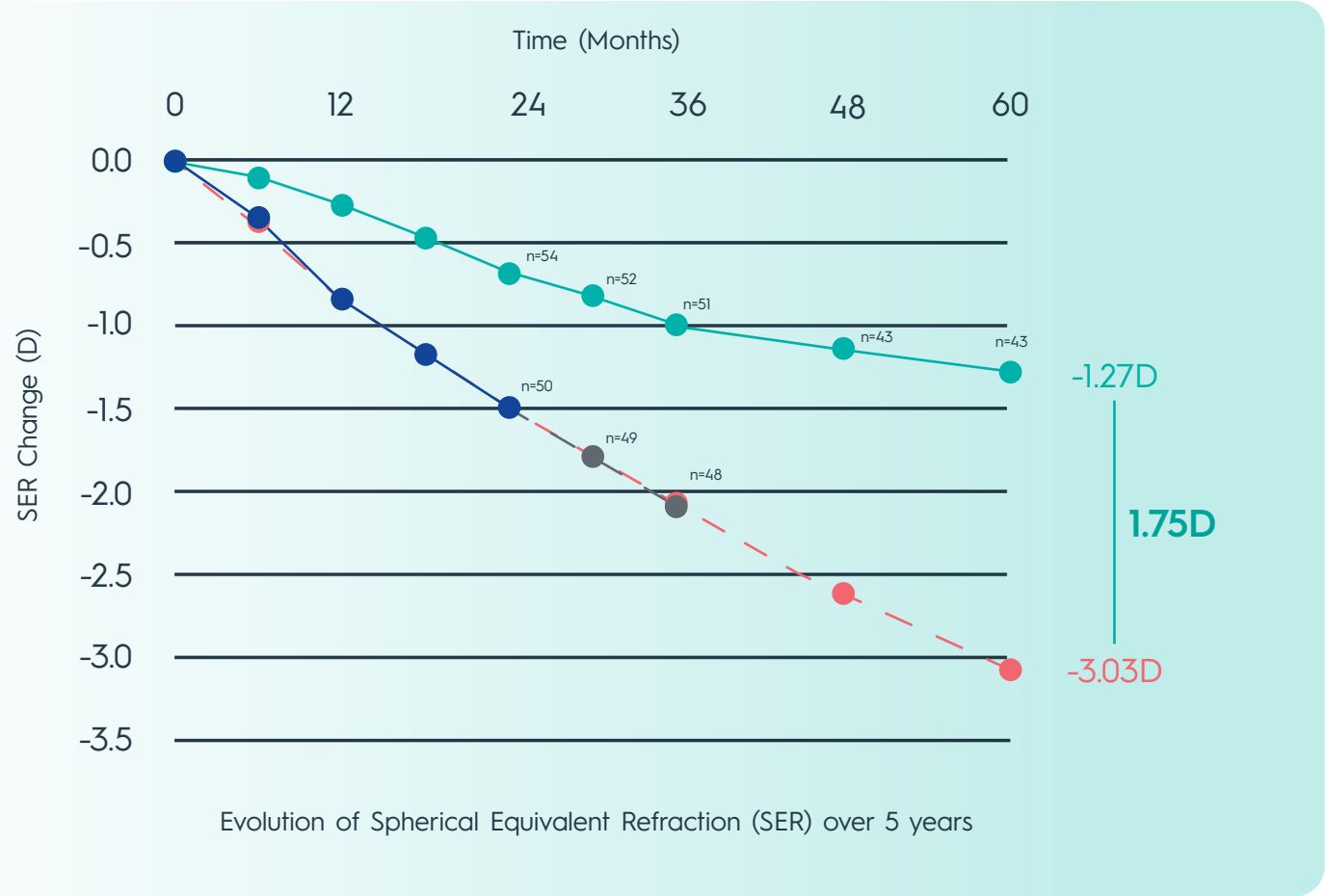
Essilor® Stellest® lenses showed continued efficacy of slowing down myopia progression* over 5 years.¹³

Over a 5-year period, myopia progression* and axial elongation† were **two times slower** on average with Essilor® Stellest® lenses compared to the control group.^{*13}

Essilor® Stellest® lenses showed continued myopia control efficacy up to **18 years old** ¶13

Essilor® Stellest® lenses slowed down myopia progression by **1.75D** on average over a 5-year period.^{*13}

Essilor® Stellest® lenses slowed down eye growth by **0.72mm** on average over a 5-year period.^{†13}



Key used for both graphs: —●— Essilor® Stellest® lens —●— SVL —●— SVL 2 —●— Extrapolated Control Group
Mean change in Spherical Equivalent Refraction (D) – unadjusted values. Error bars represent SEM

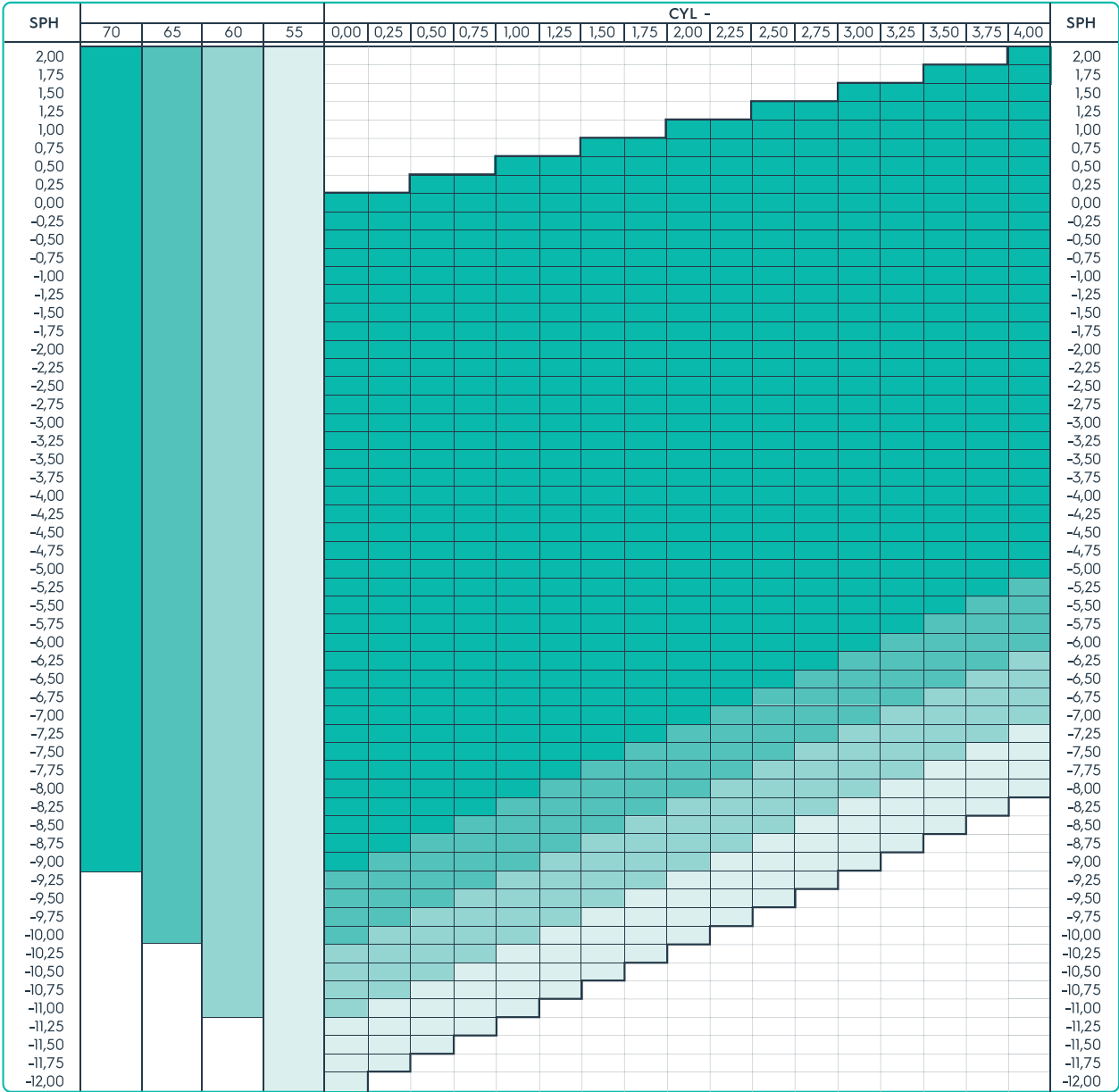
Don't wait, equip the child with Essilor® Stellest® lenses early for a better outcome!^{#8}

^{*}Compared to the 60-month progression of the extrapolated control group (predicted average annual decrease in SER by 9.7% based on the initial 2-year control group, Smotherman C, et al. IOVS 2023;64:ARVO E-Abstract 811)
[†]Compared to the 60-month progression of the extrapolated control group (predicted average annual decrease in AL by 15% based on the initial 2-year control group, Shamp W, et al. IOVS 2022;63:ARVO E-Abstract A0111)
[‡]extrapolated
[¶]The randomized clinical trial enrolled children between 8 and 13 years old. The age range of children benefiting from the Essilor® Stellest® lens in the randomized clinical trial and follow up studies was between 8 and 18 years after five years.
[#]A younger age was associated with faster myopia progression in children wearing single vision lenses in the Essilor® Stellest® lens 2-year clinical trial. This trend was not observed in children wearing Essilor® Stellest® lenses; myopia progression in children wearing Essilor® Stellest® lenses was not influenced by age.

Essilor® Stellest® lenses product range*

SPH: [+2.00[†]; -12.00]
CYL: [0.00; -4.00], depending on sphere
[†]SER ≤0 for sphere [0.00; +2.00]

The Essilor® Stellest® lens range caters for patients with a myopic spherical equivalent refractive error (SER). SER = SPH + 1/2 CYL.



Product features

	Essilor® Stellest® Lenses
Technology	H.A.L.T.
Prism	2Δ / lens
Diameter	Ø55mm, Ø60mm, Ø65mm, Ø70mm
Coating	Crizal®
Material	Airwear® 1.59
UV cut off	100% UV protection*



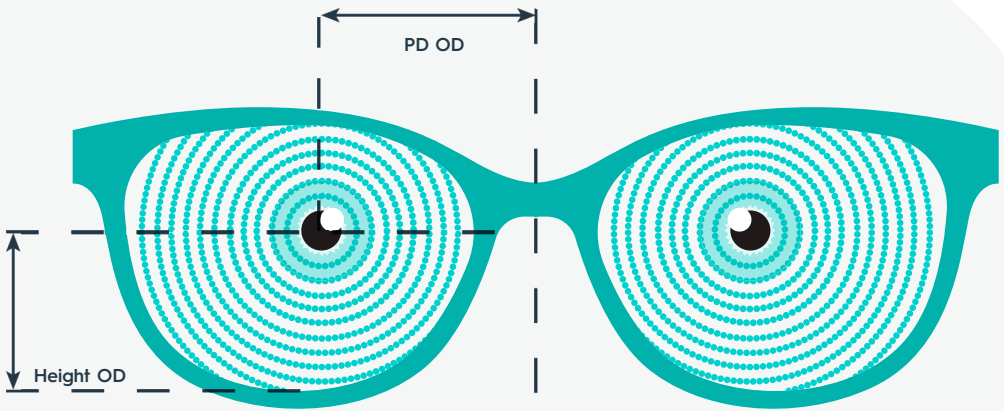
Fitting and Mounting

Horizontally

Monocular pupillary distances OD and OS.

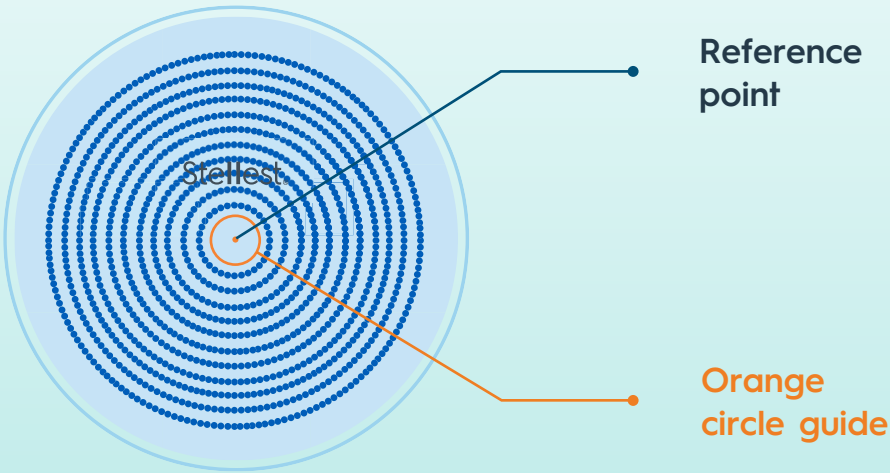
Vertically

Monocular heights OD and OS: mark the monocular pupil centers in horizontal gaze direction.



Centration

The position of the reference point is the centre of the rings of the lenslets. It is the point where the prescription is measured and controlled. This marking (dot) is to be used as the reference point for the centring of the lens (centre of pupil).



Children wearing myopia management solutions also need protection from sunlight.

Research has shown that an important strategy to reduce the development of myopia is encouraging children to spend more time outdoors.^{14,15}

Just as we need to protect children’s skin during time spent outside, their eyes must also be protected.¹⁶

For children and teenagers to fully enjoy their outdoor activities, Essilor® Stellest® lenses with Sun Tints offer:



UV and glare protection.
Comfortable vision outdoors.



6 fun and cool colors for children that are easy to match with a range of frames.



Crizal® Sun XProtect coating.

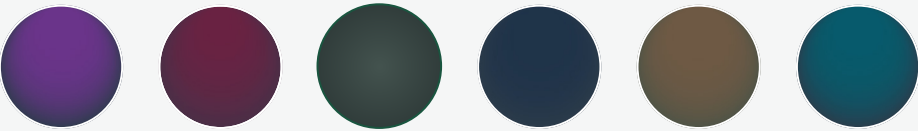


Children should wear Essilor® Stellest® lenses during waking hours: **at least 12 hours per day, every day.** Essilor® Stellest® lenses with Sun Tints provide children and teenagers with the option to continue to wear Essilor® Stellest® lenses for outdoor activities.^{1,17}

Product features

	Stellest® with sun tints
Technology	H.A.L.T.
Sphere / Cylinder Power	SPH [0.00; -6.00]; CYL [0.00; 2.00]
Prism	2Δ / lens
Diameter	Ø65mm, Ø70mm
Coating	Crizal® Sun XProtect
Material	Airwear® 1.59
UV cut off	100% UV protection*

Essilor® Stellest® lenses are now available with sun tints



H.A.L.T
Technology

Sun Tints
6 colors†,
Category 3

Crizal® Sun
XProtect coating



H.A.L.T.: Highly Aspherical Lenslet Target
*By absorption. Additional UV back side reflection reduction when combined with Crizal® coating
†Category 3 colors are not compliant with ISO standards for road use and driving at night.

How to introduce Essilor® Stellest® Lenses and engage families into the journey with easy steps:

- Step 1: Explain Benefits of Controlling Myopia progression.** Make sure parents understand correcting myopia with single vision lenses is not enough, and controlling myopia progression should be the standard solution for their child with myopia.
- Step 2: Introduce Essilor® Stellest® lenses:** Explain the benefits and technologies of Essilor® Stellest® lenses, emphasising on its efficacy proven with clinical trial.
- Step 3:** Emphasise on **regular follow ups and recommend** children wear their Essilor® Stellest® lenses at least 12 hours per day, every day, to maximise efficacy.*¹

 Essilor® Stellest® lenses can be recommended to children and teenagers, as soon as myopia progression has been detected. **Early intervention would be beneficial.**^{6,18}



How will Essilor® help you implement Essilor® Stellest® lenses into your practice:



1. **Leonardo platform** for trainings on the myopia category.
2. **Get access to a comprehensive pack of tools for your in-store activation.**
 - a) Marketing pack to raise awareness on myopia and educate your customers.
 - b) Essilor® can also provide complementary equipments such as Myopia Expert™ 700 with Essibox Myopia Care, which allows you to measure and monitor the evolution of axial length.

Ask your Essilor® contact for more information.

Additional recommendations to give to parents



Increase children’s outdoor time up to at least two hours a day.²⁰



Follow the **20/20/20 rule** (every 20 minutes, focus on an object 20 feet away for 20 seconds) to give children’s eyes a constant break.



Maintain regular eye checkups.



Essilor® Stellest® Lenses,

Lighting the path to a brighter future

Stellest®



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