

Modern Lifestyle Drivers Impact Today's Presbyopes

Average viewing distances reported for the following common devices

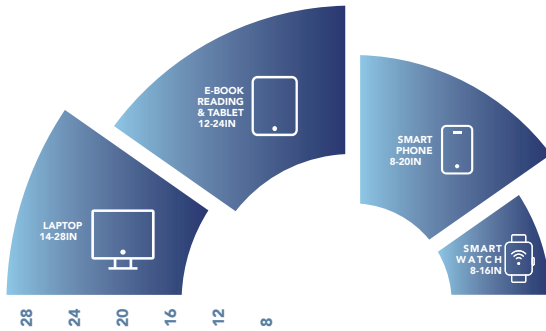


Figure 1. Varied viewing distances reported for different devices and tasks



HISTORICALLY Near vision was defined by the standard reading distance of ~16in



NOW Introduced a diverse array of digital devices that has significantly altered the visual demands placed on individuals

Figure 1 Source: James S. Wolffsohn, Gareth Lingham, Laura E. Downie, Byki Huntjens, Takenori Inomata, Saleel Jivraj, Emmanuel Kobia-Acquah, Alex Muntz, Karim Mohamed-Noriega, Soliris Plainis, Michael Read, Rony R. Sayegh, Sumeer Singh, Tor P. Utheim, Jennifer P. Craig, TFOs Lifestyle: Impact of the digital environment on the ocular surface, The Ocular Surface, Volume 28, 2023, 213-252, 1542- 0124, <https://doi.org/10.1016/j.jtos.2023.04.004>;

Varilux® Shift™ lenses are specifically designed to meet the needs of today's presbyopes, taking into account their natural visual behaviors. Through the use of artificial intelligence, *Varilux Shift* optimizes the position of the near vision zone for each wearer's ametropia and addition level. This provides easier access to the near vision zone and makes adaptation easier and more intuitive.

+34%

softness vs. a
standard PAL*

+18%

of far vision vs. standard
progressive lens*

Key Technologies



iComfort™

iComfort™ Technology: Optimizes the position of the near vision zone to better align with the visual habits of today's presbyopes.

Varilux Shift lenses also integrate **Wearer Mode** and **Multi-Design by Ametropia**, two foundational elements trusted across the Varilux® range.

Wearer Mode: Ensures wearers receive the correct optical power in real-world conditions by accounting for factors such as lens tilt, wrap angle, vertex distance, and eye position.

Multi-Design by Ametropia: Optimizes the lens design and progression length not only by the wearer's ADD power but also the wearer's ametropia (myopia, hyperopia, and astigmatism).

Why *Varilux Shift* Lenses?

In an independent study, 48 presbyopes evaluated *Varilux Shift* in their daily lives.

91%

adapted to
Varilux Shift lenses¹

91%

found small print easy to
read with *Varilux Shift* lenses¹

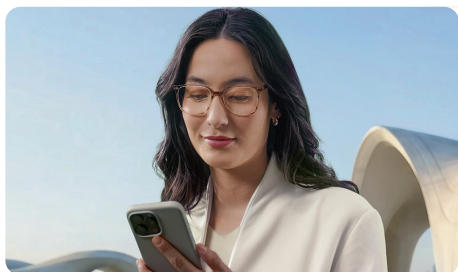
89%

experienced easy access to
the near vision zone¹

*Optical R&D simulations on standard Semi-Finished Single Vision 1.5-index lenses, across a representative range of prescriptions.

¹ Essilor International. Varilux® Shift™ – in-real-life consumer study – Eurosyn, France (n=48 first-time progressive lens wearers). Responses received after four weeks of wear.

Features and Benefits



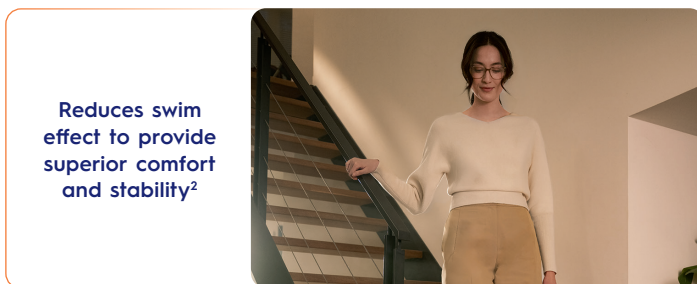
A design to better match your natural visual behavior during near vision tasks*



Addresses today's presbyopes' vision needs, regardless of their prescription*



An effortless switch between near and far vision for smooth visual comfort¹



Reduces swim effect to provide superior comfort and stability²

Product Availability

Material	Clear & Blue	Transitions®	Polarized	Power Range	Add Power
1.50	Yes	GEN S™, XTRActive®, XTRActive Polarized™	Yes	-10.00 to +6.00	+0.75 to +4.00
1.53	Yes	GEN S™, XTRActive®	No	-10.00 to +7.50	+0.75 to +4.00
1.59	Yes	GEN S™, XTRActive®, XTRActive Polarized™	Yes	-10.00 to +8.00	+0.75 to +4.00
1.60	Yes	GEN S™, XTRActive®, XTRActive Polarized™	No	-12.00 to +8.00	+0.75 to +4.00
1.67	Yes	GEN S™, XTRActive®, XTRActive® Polarized™	Yes	-14.00 to +9.00	+0.75 to +4.00
1.74	Yes	GEN S™	No	-20.00 to +13.00	+0.75 to +4.00

Additional Marketing Resources

All Varilux marketing materials can be found on the Essilor Marketing Catalog
www.shamrockresource.com/essilor

Varilux Shift B2B Brochure: 483500_PRO_VAR

Varilux B2B Sales Flyer: 494253_PRO_VAR

Varilux Shift Technical Report: 488600_PRO_VAR

Website: www.essilorpro.com/resources/varilux/varilux-shift

Leonardo Video Training: <https://leonardo.essilorluxottica.com/login>

*Based on EUROSYN presbyope expert panel evaluation, wearers require less head movement to achieve clear near vision, compared to standard PAL (FBSEI). Based on Optical R&D simulations with standard FBS design, 1.5-index lenses, near vision is 2.5 times closer to the natural gaze lowering than Varilux® Comfort DRx lens, and 2 times closer than the combination of competitors PALs. Results are valid on 1.59-index clear polycarbonate lenses. EssilorLuxottica (2025). EUROSYN presbyope expert panel evaluation of 1.6-index clear lenses with Crizal® Sapphire™ HR coating. Data on file. EssilorLuxottica (2025). Internal R&D simulations. Optical and avatar-based simulations were performed on manufactured standard 1.5-index lenses with regular SVSF, across a range of prescriptions. Data on file. †Based on Optical R&D simulations on standard 1.5-index lenses with regular FBS design, a near vision 2.5 times closer to the natural gaze lowering than Varilux® Comfort DRx lens, and 2 times closer than the combination of competitors PALs. Results are valid on 1.59-index clear polycarbonate lenses. EssilorLuxottica (2025). Internal R&D simulations. Optical and avatar-based simulations were performed on manufactured standard 1.5-index lenses with regular SVSF, across a range of prescriptions. Data on file. ‡Based on EUROSYN presbyope expert panel evaluation, easier to switch from far vision (FV) to near vision (NV) and vice versa than standard PAL (FBSEI). Fewer distortions when switching between the three vision zones compared to standard PAL (FBSEI). EssilorLuxottica (2025). EUROSYN presbyope expert panel evaluation of 1.6-index clear lenses with Crizal® Sapphire™ HR coating. Data on file. 2. Based on EUROSYN presbyope expert panel evaluation, Varilux® Shift™ lens causes less distortion in motion (walking) and at the bottom of the stairs than standard PAL (FBSEI). Based on Optical R&D simulations with standard 1.5-index lenses with regular SVSF, †34% of softness vs standard PAL (FBSEI); †24% vs Varilux® Comfort DRx lens; †19% vs the combination of competitors PALs. Results are valid on 1.59-index clear polycarbonate lenses. EssilorLuxottica (2025). EUROSYN presbyope expert panel evaluation of 1.6-index clear lenses with Crizal® Sapphire™ HR coating. Data on file. EssilorLuxottica (2025). Internal R&D simulations. Optical and avatar-based simulations were performed on 1.5-index lenses across a range of prescriptions. Data on file.