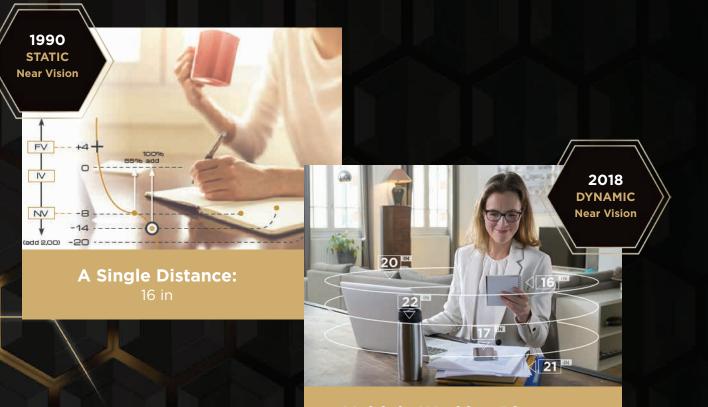
TODAY'S PRESBYOPE NEEDS TO SEE MULTIPLE DISTANCES WITHIN ARM'S REACH



Multiple Working Distances Sphere at Arm's Length: 16 to 28 in



THE MOST ADVANCED VARILUX® LENS. EVER.

No other progressive lens on the market has the technology found in Varilux X Series lenses.

This innovation is the result of:

» 5 years of research and development » 19 studies among thousands of wearers

G Varilux X Series lenses are by far the most natural and comfortable progressive lens I have ever tried. No looking for 'just the right the spot' and there is no unnatural vision in any part of the lens. I am pretty critical when it comes to my vision. I give the *Varilux X* an A+." - Harkins & Karsten, OD

Varilux X Series lenses also include:

ESSILOR R&D CREATED NEW TOOLS TO MEASURE TODAY'S NEAR VISION NEEDS

Essilor R&D developed new tools and methodologies to quantify the modern presbyope's dynamic near vision needs. For example, Essilor created the Movis[™] lab, a new state of the art facility that captures data by monitoring and analyzing progressive lens wearers' movements and posture both in real time and in 3D. Essilor even had wearers make video selfies to show the day-to-day situations modern presbyopes encountered with their progressive lenses.

Better Sight Better Life, Cssilo

CUSTOMIZED

NEAR VISION

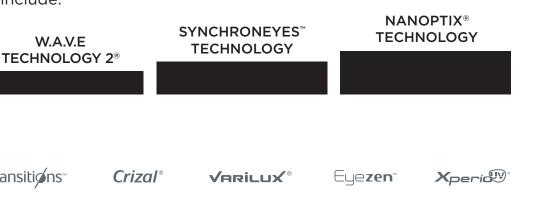
Transitions

W.A.V.E

ries. Transitions is a registered trademark and the Bisected O design is a trademark of Transitions Optical, Inc., used under license by Transitions Optical Ltd. Photochromic perform more at the second second

» 15 pending patents





INNOVATION.

Truly groundbreaking products come from constantly reimagining how to meet consumers' needs. This consumer-focused approach to innovation led Essilor to a better understanding of today's presbyope and a new way of designing progressive lenses. Today's presbyopes spend most of their time with arm's length activities and thus, the way to measure their near vision needs had to evolve.

A NEW APPROACH TO PROGRESSIVE LENS DESIGN

Essilor was able to quantify the **Volume of Vision** needed by today's presbyope; this is a brand new measure that has never been defined for a progressive wearer until now. By measuring the acuity necessary to see sharply during multiple important arm's length tasks, Essilor R&D was able to model and define the total space where a patient wearing progressive lenses most needed to have sharp, clear vision. Put simply, Essilor was now able to design a progressive lens that maximizes the range of sharp vision needed at arm's length.

Maximizing the Volume of Vision at arm's length: a new way of designing a lens

VARILUX® X SERIES[™] LENSES ARE DESIGNED TO MAXIMIZE THE PROGRESSIVE WEARERS' VOLUME OF VISION



Area needed for sharp vision within arm's length Bifocal Lenses





Ordinary Progressive Lenses

Varilux X Series Lenses



XTEND® TECHNOLOGY MAXIMIZES THE VOLUME OF VISION FOR TODAY'S PRESBYOPE

Maximizing the volume of vision delivered by a lens led Essilor to completely reinvent how to design a progressive lens. *Xtend* technology is a result of this **new design philosophy** and resulted in exclusive software calculations that were so innovative that Essilor was able to file **15 patents** on this new process.

FOUND ONLY IN *VARILUX X SERIES* LENSES, *XTEND* TECHNOLOGY ALLOWS THE WEARER TO:

- See multiple distances through any point in the near and intermediate zones of the lens
- Experience reduced head movement
- Have a better overall visual experience

