



LENS TECHNOLOGY



VARILUX® LENS TECHNOLOGIES

TECHNOLOGY	WEARER BENEFIT	Varilux Comfort DRx™	Varilux Comfort® W2+	Varilux Comfort® W2+ Fit	Varilux® Comfort Max	Varilux® Comfort Max Fit	Varilux® Physio® W3+	Varilux® Physio® W3+ Fit	Varilux® X Series™	Varilux® X Fit	Varilux® X 4D
All Varilux® lens designs	Large Reading Area	●	●	●	●	●	●	●	●	●	●
W.A.V.E. Technology 2™	Sharp vision at all distances even in dim lighting		●	●	●	●	●	●	●	●	●
Flex Optim™ Technology	Flexibility in posture for all-day-long vision comfort			●	●						
SynchronEyes™	Allows wearer to easily transition between near & far					●	●	●	●	●	
Nanoptix™ Technology	Helps eliminate “off-balance” feeling							●	●	●	
Xtend™ Technology	Reduces head movement within arm’s reach							●	●	●	
Personalized Measurements***	Provide maximum lens performance despite differences in frame size & shape		●		●		●		●	●	
Harmful Blue Light* Protection (Essential Blue Series™)	Up to 3x more protection from Harmful Blue Light than a standard clear lens**	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲

▲ = Optional

*Harmful Blue Light is the blue-violet wavelengths found between 415-455nm on the light spectrum believed most toxic to retinal cells. Varilux lenses with Essential Blue Series filter at least 20% of Harmful Blue Light.

**Standard clear lenses filter approximately 5% of Harmful Blue Light.

***See chart below for personalized measurement reference.

DIGITAL SURFACING TECHNOLOGIES

TECHNOLOGY	LENS
DualOptix™ <i>See back for reference.</i>	Varilux® X Series™ Varilux® Physio® W3+ Varilux® Comfort Max Varilux Comfort® W2+
Full Back Side	Varilux Comfort DRx™

PERSONALIZED MEASUREMENTS

Required: ● Default Measurements Accepted: ■
Optional: ▲

	PD and Fitting Height	Pantoscopic Tilt	Wrap Angle	Vertex Distance	Eye Rotation Center Distance	Natural Head Position	Leading Dominant Eye	H/E Ratio	Stability Coefficient	Reading Distance
Varilux® X 4D*	●	●	●		●	●	●	▲	▲	▲
Varilux® X Fit	●	■	■	■						
Varilux® Physio® W3+ Eyecode™*	●	●	●		●	●				
Varilux® Physio® W3+ Fit	●	■	■	■						
Varilux Comfort® W2+ Eyecode™*	●	●	●		●	●				
Varilux® Comfort Max Fit	●	■	■	■						
Varilux Comfort® W2+ Fit	●	■	■	■						

* Varilux X 4D lenses, Varilux Physio W3+ Eyecode lenses, and Varilux Comfort W2+ Eyecode lenses are exclusive to the Visiooffice® System.

VARILUX® LENS TECHNOLOGY DEFINITIONS

Harmful Blue Light Protection (Essential Blue Series™ lenses)

Varilux X Series, Varilux Physio W3+, Varilux Comfort Max, Varilux Comfort W2+, and Varilux Comfort DRx lens designs are available in *Essential Blue Series* lenses. *Essential Blue Series* is an added option like *Crizal®* and *Transitions®* on all *Varilux* lenses. *Varilux* lenses with *Essential Blue Series* provide up to 3x more protection against Harmful Blue Light* than a standard clear lens.**

Varilux DualOptix™

Dual-sided digital lens design which controls both focus and distortion, providing clear central vision and exceptionally well controlled peripheral vision. Customizes the design and optimizes the distribution of visual zones in the lens – near, far and in-between.

W.A.V.E. Technology 2™

Wavefront Advanced Vision Enhancement™ 2 customizes wavefront control to the patient's visual requirements, resulting in sharper vision at all distances and in all lighting conditions, even at night.

Flex Optim™ Technology

Ensures that the progression profile is customized to the wearer in order to place the power where it provides the most useful vision. Exclusively available with *Varilux Comfort Max* lenses.

SynchronEyes™

Calculates both right and left lenses as a pair, which allows patients to transition from near to far and every distance in between smoothly and effortlessly.

Nanoptix™ Technology

Revolutionary patented semi-finished blank with a unique shape that delivers lowest distortion, resulting in virtual elimination of that “off balance” feeling.

Xtend™ Technology

Unique design calculation in *Varilux® X Series™* lenses that allows the wearer to see multiple distances through a single point in the lens, significantly extending vision within arm's reach so wearers no longer have to move their heads to find the “just the right spot” in the lens.

Personalized Measurements

Standard PAL measurements – plus Pantoscopic Tilt, Wrap Angle and Vertex Distance or eye rotation center distance. Assures outstanding visual performance, regardless of how the frame fits.

* *Varilux* lenses with *Essential Blue Series* filter at least 20% of Harmful Blue Light. Harmful Blue Light is the blue-violet wavelengths found between 415-455nm on the light spectrum believed most toxic to retinal cells.

** Standard clear lenses filter approximately 5% of Harmful Blue Light.

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Transitions™

Crizal®

VARILUX®

Eyezen™

Xperio^{UV}™