



# LENS TECHNOLOGY



## VARILUX® LENS TECHNOLOGIES

TECHNOLOGY	WEARER BENEFIT	Varilux Comfort	Varilux Comfort DRx™	Varilux Comfort W2+	Varilux Comfort® W2+ Fit	Varilux® Physio™	Varilux® Physio DRx™	Varilux® Physio® W3+	Varilux® Physio® W3+ Fit	Varilux® X Design	Varilux® X Fit	Varilux® X 4D
All Varilux® lens designs	Comfortable reading area	●	●	●	●	●	●	●	●	●	●	●
Digital Surfacing	Better positions near zone for large reading area		●	●		●	●	●	●	●	●	●
Harmful Blue Light* Protection (Essential Blue Series™)	Up to 3x more protection from Harmful Blue Light than a standard clear lens**	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
W.A.V.E. Technology™	Sharp vision at all distances					●	●					
W.A.V.E. Technology 2™	Sharp vision at all distances even in dim lighting			●	●			●	●	●	●	●
Binocular Booster (Varilux® Physio® W3+) SynchronEyes™ (Varilux® X Series™)	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			●				●		●	●	●

▲ = Optional

\* Harmful Blue Light is the blue-violet wavelengths found between 415-455 nm on the light spectrum believed most toxic to retinal cells.

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

\*\*\* See chart below for personalized measurement reference.

## DIGITAL SURFACING TECHNOLOGIES

TECHNOLOGY	LENS
DualOptix™ See back for reference.	Varilux® X Series™ Varilux® Physio® W3+ Varilux Comfort® W2+
Full Back Side	Varilux Physio DRx™ 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® X Design	●									
Varilux® Physio® W3+ Eyecode™*	●	●	●		●	●				
Varilux® Physio® W3+ Fit	●	■	■	■						
Varilux® Physio® W3+	●									
Varilux Comfort® W2+ Eyecode™*	●	●	●		●	●				
Varilux Comfort® W2+ Fit	●	■	■	■						
Varilux Comfort® W2+	●									

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

## VARILUX® LENS TECHNOLOGY DEFINITIONS

---

### 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.

### Harmful Blue Light Protection (Essential Blue Series™ lenses)

*Varilux X Series, Varilux S Series, Varilux Physio W3+, Varilux Comfort W2+, Varilux Physio DRx, Varilux Comfort DRx, Varilux Physio, and Varilux Comfort* lens designs are available in *Essential Blue Series lenses*. Varilux lenses with *Essential Blue Series* provide up to 3x more protection against Harmful Blue Light\* than a standard clear lens.\*\*

### W.A.V.E. Technology™

Wavefront Advanced Vision Enhancement™ identifies and reduces High Order Aberrations (HOAs) in the lens, resulting in clearer, sharper vision at any distance, greater color contrast and wider fields of vision.

### 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.

### SynchronEyes™ (Varilux® X Series™)/Binocular Booster (Varilux® Physio® W3+)

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.

### 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.

### Nanoptix™ Technology

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

### 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.

\* Harmful Blue Light is the blue-violet wavelengths found between 415-455 nm on the light spectrum believed most toxic to retinal cells.

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

[VARILUX.COM](http://VARILUX.COM)



Better Sight.  
Better Life.

Transitions™

Crizal®

VARILUX®

Eyezen™

Xperio™