What does W.A.V.E. Technology 2™ do for patients?

PATIENT BENEFIT = Sharpest vision at every distance even in low light.

W.A.V.E. Technology 2: Wavefront Advanced Vision Enhancement™ does two things:

1. Identifies and eliminates distortion based on the prescription.
2. Customizes wavefront correction to the patient’s needs.

This creates a unique lens design for every patient—without additional measurements or equipment.

How does W.A.V.E. Technology 2 work?

All progressive lenses have distortions caused by changes in curvature across the lens surface. These distortions reduce the perception of contrast and sharpness.

W.A.V.E. Technology 2 enables Varilux’ lens designers to analyze an entire beam of light as it passes through the lens. This allows them to:

• Identify and virtually eliminate lens distortions for clearer, sharper vision even in low light.
• Customize lens designs by taking into account changes in pupil size.

W.A.V.E. Technology 2 is available with the following lens designs:

• Varilux S 4D™
• Varilux S Fit™
• Varilux S Design™
• Varilux® Physio® W3+ eyecode™
• Varilux® Physio® W3+ Fit
• Varilux Comfort® W2+ eyecode™
• Varilux Comfort® W2+ Fit
• Varilux Comfort® W2+
How does *W.A.V.E. Technology 2* work? (continued)

How does pupil size affect a patient’s vision?

W.A.V.E. Technology 2™ controls distortion far better than competitive PAL designs.

**Patient Benefits**

- Sharper vision at every distance
- Better vision, even in low light

*Varilux lenses with W.A.V.E. Technology 2 are preferred 25:1 by patients*  

*Data on file*

**Patented technologies – others do not compare**

Varilux lenses with *W.A.V.E. Technology 2* are created with 10 patented technologies that competitors cannot duplicate.

US Patent # 7,207,675B1: vertically extended distance zone  
US Patent # 7,207,674 B2 1: wider aberration free distance zone  
US Patent # 7,413,303 B2: low cylinder and monotonous periphery  
US Patent # 6, 909, 498B2: wavefront measurement technology  
US Patent # 7,427,134 B2: low level of wavefront aberration  

US Patent # 7,210,780B1: vertical alignment of axis of astigmatism in intermediate vision  
US Patent # 7 229 175 B2: dual digital surfacing calculation  
US Patent Pending: W.A.V.E. Technology 2 design calculation  
US Patent Pending: variable inset