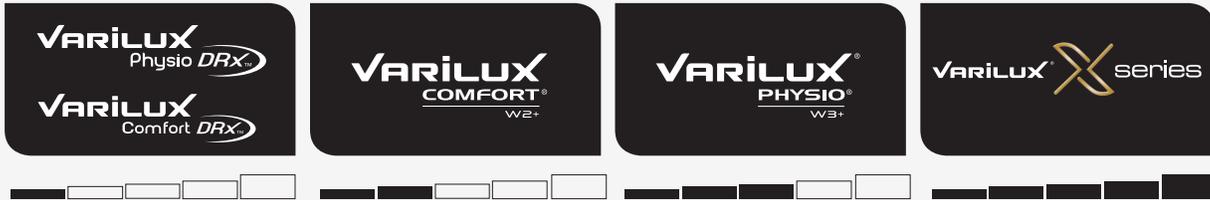


Varilux® Digital Progressive Lenses



REDUCES HEAD MOVEMENT
within arm's reach

XTEND™ TECHNOLOGY

HELPS ELIMINATE OFF-BALANCE FEELING

NANOPTIX™

SMOOTH TRANSITIONS
from distance to near

SMOOTH TRANSITIONS
from distance to near

SYNCHROEYES™ TECHNOLOGY (BINOCULAR BOOSTER)

SHARPER VISION
even in low light

SHARPER VISION
even in low light

SHARPER VISION
even in low light

W.A.V.E. TECHNOLOGY 2™

LARGE READING AREA

LARGE READING AREA

LARGE READING AREA

LARGE READING AREA

CUSTOMIZED NEAR VISION

varilux.com



Better Sight.
Better Life.

Transitions™

Crizal®

VARILUX®

Eyezen™

Xperio™

A man with short, dark hair and glasses, wearing a dark blue suit jacket over a light blue shirt, is smiling and looking towards the camera. He is standing in a modern urban environment with tall buildings and a white pillar with orange bands in the background. Other people are visible in the background, some walking and some standing.

VARILUX®

**COMPETITIVE
PERFORMANCE
REPORT**

**MANY PROGRESSIVE LENS BRANDS MAKE CLAIMS ABOUT THEIR LENSES.
VARILUX LENSES CAN PROVE THEIR PERFORMANCE WITH INDEPENDENT CLINICAL STUDIES.**

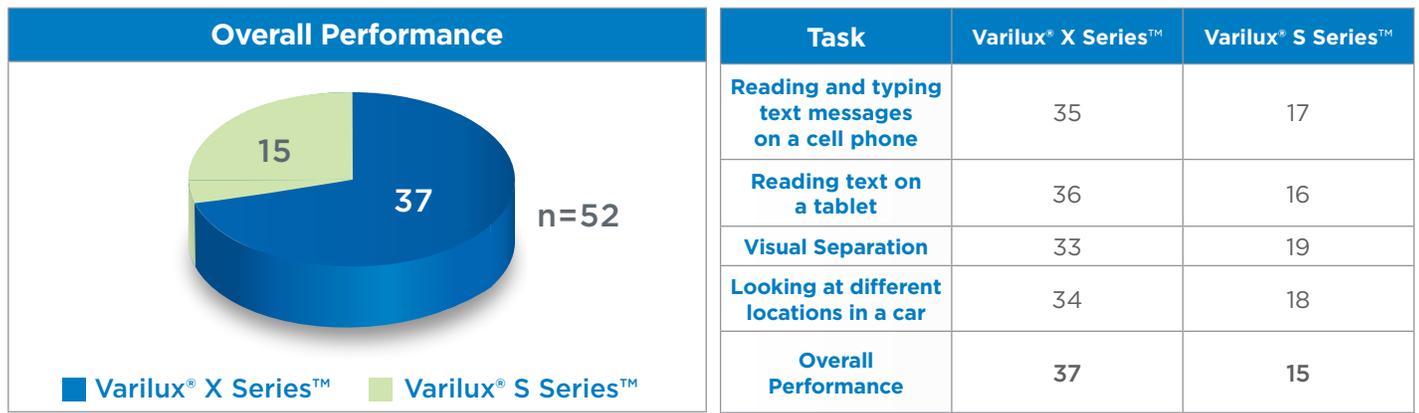
7 out of 10 patients prefer Varilux® X Series™ lenses over Varilux® S Series™ lenses

Objective: To compare the performance of Varilux X Series lenses versus Varilux S Series lenses in a variety of tasks.

Method: Each subject was asked to compare in a double-blind study two pairs of lenses in terms of preference and satisfaction while performing a series of tasks. Tasks included:

- Reading and typing text messages on a cell phone
- Reading text on a tablet
- Determining movement of objects being separated
- Looking at different locations within a car (odometer, radio station, GPS, side mirror, and rear view mirror)

Conclusions: Over 70% of subjects preferred Varilux X Series over Varilux S Series overall.



Study conducted in 2017 by an independent third party sponsored by Essilor of America, Inc. (n=52)

Varilux Comfort® W2+ lenses were preferred over the leading competitor by more than 2 to 1

Objective: To compare the performance of Varilux Comfort W2+ lenses versus Competitor Y premium PAL in a variety of tasks in high and low lighting conditions.

Method: Each subject performed several tasks and expressed a preference for one of the two PAL designs. Tasks included:

1. Reading a pill bottle in low illumination
2. Reading a restaurant menu in low illumination
3. Reading a pill bottle in high illumination
4. Reading a restaurant menu in high illumination
5. Reading an article on a tablet computer in low illumination

Conclusions: The subjects preferred Varilux Comfort W2+ lenses in each task in each lighting condition, with 71% of wearers expressing a preference for Varilux Comfort W2+ lenses overall.



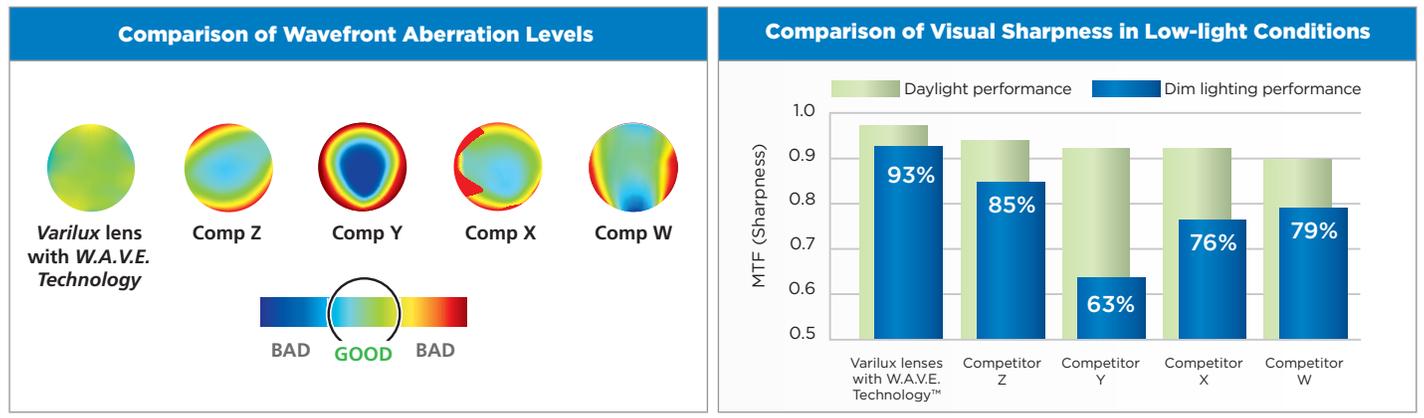
*Study conducted in 2016 by independent third party sponsored by Essilor of America, Inc. (n=192)

Varilux™ lenses with W.A.V.E. Technology 2™ preserve visual sharpness better than competitors, especially in dim lighting

Objective: To compare visual sharpness of Varilux lenses with W.A.V.E. Technology 2 compared to four competing PAL designs in different lighting conditions.

Method: Tests compared wavefront aberration levels and contrast sensitivity of Varilux lenses with W.A.V.E. Technology 2 and four competitor premium PALs of identical prescription and material in daylight and dim lighting conditions.

Conclusions: Varilux lenses with W.A.V.E. Technology 2 maintained better contrast sensitivity in both low-light and bright-light conditions as indicated by a higher modulation transfer function (MTF). Evaluation based on a -4.00 D lens with +2.00 D add and pupillary diameters of 3 mm (bright light) and 8 mm (dim light).



*Study conducted in 2010 by independent third party sponsored by Essilor of America, Inc.
 Modulation=difference (in luminance) between the brightest and darkest portion of a perceived object.
 Transfer Function=the amount of modulation contained in the image made by the lens divided by the amount of modulation in the actual object.

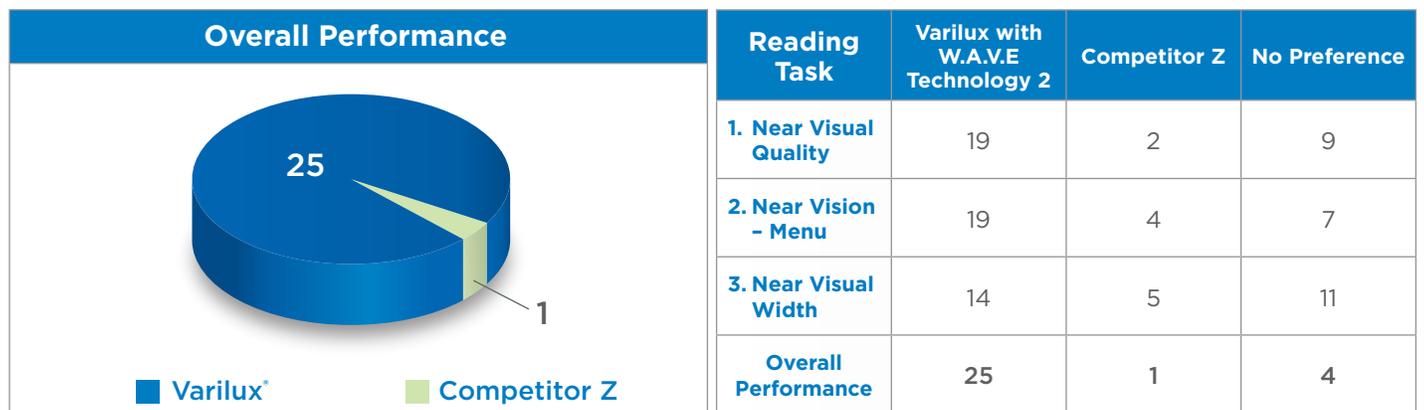
Varilux® lenses with W.A.V.E. Technology 2™ preferred 25:1 in dim lighting

Objective: To evaluate and compare the performance of Varilux lenses with Wavefront Advanced Vision Enhancement (W.A.V.E.) Technology 2 versus Competitor Z premium PAL for use in dim lighting conditions.

Method: Each subject evaluated designs for three near activities as well as overall performance.
 Tasks included:

1. Near vision - Standard chart positioned at 16"
2. Near vision - Low contrast target (restaurant menu) positioned at 16"
3. Near vision - Column target to judge width of vision

Conclusions: Of the subjects who had a preference, 96% of wearers preferred Varilux lenses with W.A.V.E. Technology 2 over Competitor Z premium PAL overall for near vision activities in dim lighting conditions.



*Study conducted in 2011 by independent third party sponsored by Essilor of America, Inc. Results based on wearers who had a preference (n=30).