



# THE WILEY X DIFFERENCE POLARIZED EYEWEAR FACTS 2018



# 30 YEARS OF ABSOLUTE PREMIUM PROTECTION



The story of premium eyewear brand Wiley X begins back in 1987 when the company set out to become a world leader in the research, development and marketing of protective eyewear for military, law enforcement and civilian markets. Since those early days, Wiley X has set the benchmark for safety, style, and utility in the premium performance sunglass category on a global scale.

The company insists that all its adult premium eyewear products meet the ANSI Z87.1 safety standard for High Velocity/High Mass Impact as well as being EN166 certified. Furthermore, it's no secret that many models also meet various MIL-SPEC ballistic military standards for spectacles. In short, you won't find better eye protection out there than in a pair of Wiley X sunglasses.

This high-end ballistic technology that is worn on the battlefield is available in many civilian markets, with fishing being a key segment. By fusing fashion with function, durability and this unrivalled technology, Wiley X eyewear has become an essential tool for fishermen. Whether it's anglers who hunt for predators, fish for carp or target salmon, Wiley X has the right pair of eyewear to suit the needs of active fishermen.

Wiley X has been preaching to anglers across the globe that they should actually only use certified eyewear when enjoying fishing. The advantages of using certified polarized eyewear are numerous, but the main one is that they might just save your eyes one day from flying lures or flies - with that said Wiley X glasses offer exceptional optical quality too. All Wiley X lenses are tested before they are even cut in order to maintain the best optical quality. Furthermore, all Wiley X polarized lenses are carefully measured through cut files for each and every product in order to maintain pure optics in the final product. And finally, all Wiley X eyewear are tested by independent certified labs. This ensures you as an angler that Wiley X delivers the quality we promise.



**Wiley X winner of best new eyewear product, EFTTEX 2017-2018**

# TESTS AND CERTIFICATIONS

## ANSI HIGH MASS IMPACT TEST

Frame and lens must withstand the impact of a 500 gram pointed projectile dropped from a height of 127 cm. The lens must remain in the frame and must not be shattered. The frame must remain intact as well.

## ANSI HIGH VELOCITY IMPACT TEST

Frame and lens must withstand the impact of a 6.35 mm steel ball fired at 164,6 km/h. The lens must remain in the frame and must not be shattered. The frame must remain intact as well.

## VO BALLISTIC TEST

Frame and lens must withstand a 3.8 mm projectile fired at 700-720 km/h.

## EN.166S

Frame and lens must withstand the impact of a 22 mm steel ball weighing 43 grams dropped from 1.3 meters at a speed of 18 km/h. The lens must remain in the frame and must not be shattered. The frame must remain intact as well.

## EN.166F

Frame and lens must withstand the impact of a 6 mm steel ball weighing 0.86 gram fired at 162 km/h. The lens must remain in the frame and must not be shattered. The frame must remain intact as well.



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# U-SHAPE BASE CURVE

All Wiley X models are designed with an 8-base curve/wrap which eliminates side and backlight glare while enhancing polarization and reducing eye fatigue.



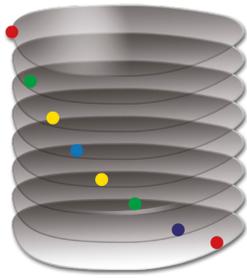
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# PRESCRIPTION READY



95% of all Wiley X frames can be fitted with prescription lenses. Wiley X's prescription program enables simple ordering and delivers corrective lenses in conventional or digital format, with digital being 10X more accurate. Numerous calculations are determined to create a personalized corrective lens especially designed to contour to their degree of frame wrap. All prescription lenses also offer 100% UVA+B+C protection.

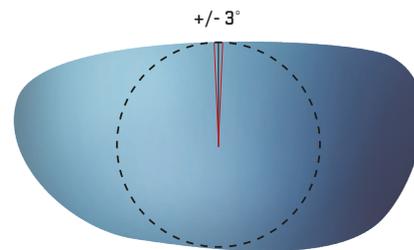
# FILTER 8™ POLARIZED LENSES



- Two Slick™ hydrophobic coatings
- Two Selenite™ polycarbonate lenses
- Two T-Shell™ scratch-resistant layers
- One Violet 4™ anti-reflective coating
- Filter 8™ polarized film layer that creates 100% polarization with 100% UV protection

## POLARIZED FILTER DIRECTION

Wiley X polarized lenses are tested before they are even cut and carefully measured in order to maintain the best optical quality in the final product. The polarized filter is mounted in a Wiley X lens with a tolerance of only  $\pm 3^\circ$



\*  $6^\circ$  out of  $360^\circ = 1,6\%$

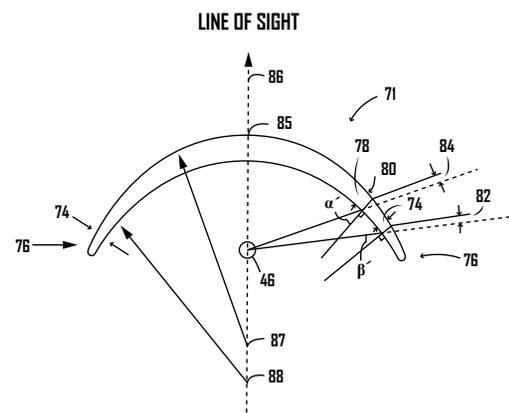
## GASKET SYSTEM

Fine dust and pollen, as well as wind can cause long-term eye irritation. Peripheral light can also diminish optical clarity. Wiley X patented removable and breathable soft foam Facial Cavity™ Seals block out even the finest irritants and peripheral light, protecting the eyes from all angles and allowing polarized lenses to perform at peak levels.



## DE-CENTERED AND TAPERED

In order to maintain maximum peripheral vision, wrapped-framed sunglasses have become a standard in fashion and performance. Consequently, a highly curved lens must be used. In order to maintain optical clarity, a lens where the optical center is offset from the mechanical center is required to properly align with the eye. Notice the tapered edge.



# SMART EDGE LENS TECHNOLOGY



WX LENSES



ORDINARY LENSES

## RESOLVING POWER (CLARITY)

Ordinary lenses can distort objects viewed from a distance. As measured in tests utilizing the NBS Pattern 20, Wiley X lenses provide a clear view.



WX LENSES



ORDINARY LENSES

## REFRACTIVE POWER (TRUE SIZE)

Inferior lenses can alter the true size of objects, as if looking through another person's prescription lenses. Wiley X rated lenses maintain true relative object size.



WX LENSES



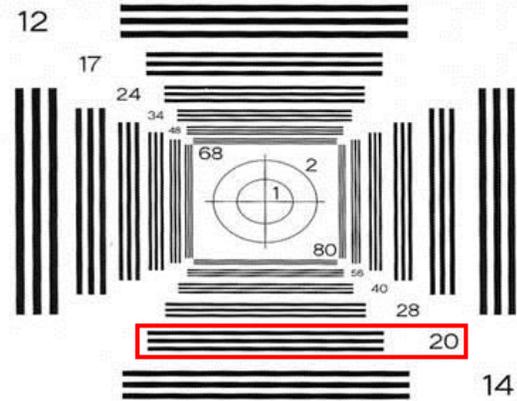
ORDINARY LENSES

## PRISMATIC POWER (SPATIAL RELATIONSHIP OF OBJECTS)

It is common for ordinary lenses to bend light, causing focal objects to appear off center. Wiley X rated lenses provide a true spatial relationship of objects in the field of view.

## NBS PATTERN 20

Notice the different sizes in vertical and horizontal lines. In order to pass this test, the pattern in the 20 lines or above has to be with no distortion in the vertical or horizontal lines viewed from distance at 35 feet (10,67m) from telescope to target.



## LENS OPTIONS

Wiley X carries a full library of lens tints that allow you adapt to various lighting conditions to ensure you have optimal vision no matter your activity.



## POLARIZED SMOKE GREEN



Maximum glare reduction without distorting colors. Great for general daytime use.

Light transmission: 13%

MODEL	ITEM NO.
WX KLEIN <small>NEW</small>	ACKLE06
WX HAYDEN <small>NEW</small>	ACHAY04
WX REBEL	ACREB07
WX SAINT	CHSAI04

## POLARIZED SMOKE GREEN PLATINUM FLASH MIRROR



Multi-coat Z-Oxide mirror over smoke green lenses provides maximum glare reduction without distorting colors. Great for general daytime use.

Light transmission: 13%

MODEL	ITEM NO.
WX NASH <small>NEW</small>	ACNAS12

## POLARIZED GREEN BLUE MIRROR



Multi-coat, green lenses. Absorb reflections across mirror surface, diminish glare. Ideal in bright conditions.

Light transmission: 12%

MODEL	ITEM NO.
WX WAVE <small>NEW</small>	CCWAV09
WX IGNITE	ACIGN09
WX NASH	ACNAS09
WX MOXY	SSMOX09
WX SAINT	CHSAI09
WX TIDE	CCTID09
WX PEAK	ACPEA09
WX GRAVITY	CCGRA04
AIRRAGE	698

## POLARIZED SMOKE GREY



Maximum glare reduction. Won't distort colors. Excellent in bright and glare conditions.

Light transmission: 12-14%

MODEL	ITEM NO.
WX TITAN <small>NEW</small>	CCTTN08
WX NASH	ACNAS08
WX VALOR	CHVAL08
WX VALOR	CHVAL12

## POLARIZED SMOKE GREY SILVER FLASH MIRROR



One of the darker lens Wiley X offers. Multi-coat, Z-oxide mirror over smoke lenses. Reduces glare. Excellent on bright days.

Light transmission: 13%

MODEL	ITEM NO.
WX HAYDEN <small>NEW</small>	ACHAY06
WX TOBI	ACTOB04
AIRRAGE	697

## POLARIZED SMOKE GREY CRIMSON MIRROR



Excellent for constant sun or very bright conditions. Ideal mirror for snowboarding, skiing, driving on sunny days or other extreme conditions. Reduces glare and improves contrast.

Light transmission: 15%

MODEL	ITEM NO.
WX OMEGA <small>NEW</small>	ACOME05
WX MOXY	SSMOX05
WX VALOR	CHVAL05

## POLARIZED AMBER



Greatly reduces High Energy Visible Light and haze, improves contrast and depth perception, Ideal for fishing, golf, tennis.

Light transmission: 14%

MODEL	ITEM NO.
WX ECHO	CCECH07
WX PEAK	ACPEA04

## POLARIZED AMBER VENICE GOLD MIRROR



Great for sunny conditions; polarized version is ideal for fishing in shallow water and target shooting.

Light transmission: 12%

MODEL	ITEM NO.
WX KLEIN <small>NEW</small>	ACKLE04
WX KOBE <small>NEW</small>	ACKOB04
WX BOSS	CCBOS04
WX BOSS	CCBOS12
WX TIDE	CCTID04

## POLARIZED AMBER EMERALD MIRROR



An amber tinted lens under an emerald green multi-coat mirror surface that's specially designed to amplify color contrast and deliver high visual definition. Distinct colors and crisp acuity in all light conditions for superior vision performance.

Light transmission: 14-16%

MODEL	ITEM NO.
WX ENZO	CCENZ07
WX OMEGA	ACOME07
WX OMEGA	ACOME12
WX ECHO	CCECH04

## POLARIZED YELLOW



Greatest clarity in low light situations; blocks blinding glare while preserving sharpness. Ideal for first and last light, fishing, hunting, shooting etc.

Light transmission: 30%

MODEL	ITEM NO.
WX GRAVITY	CCGRA11

## POLARIZED BRONZE



For superior visual definition. Increase contrast, enhance ground level contours in most light conditions.

Light transmission: 18%

MODEL	ITEM NO.
WX ACE <small>NEW</small>	ACACE04
WX REBEL	ACREB04