



Helping filter damaging blue light.

We are exposed to more blue light today than ever before. Besides natural sources of blue light, there are also many indoor blue light hazards. We light our homes and offices with energy efficient CFL and fluorescent bulbs. Computers, televisions, electronic tablets and smartphones all emit high levels of blue light.

Blue light is responsible for controlling the sleep cycle and is also part of the visible light spectrum responsible for your color vision. It is important for our bodies to be exposed to some blue light, in particular at the longer end of the blue spectrum.

Exposure to blue light at night suppresses melatonin, our sleep hormone, interfering with our ability to fall asleep. BluTech® Lenses are especially beneficial to those who work on computers, tablets or smart phones in the evening hours before bed.

BluTech Lenses are designed to help protect the eyes from a lifetime of blue light exposure without distorting color vision. These lenses block all direct UV radiation and filter high energy visible light in proportion to the damage caused allowing BluTech Lenses to provide natural color and comfortable vision.



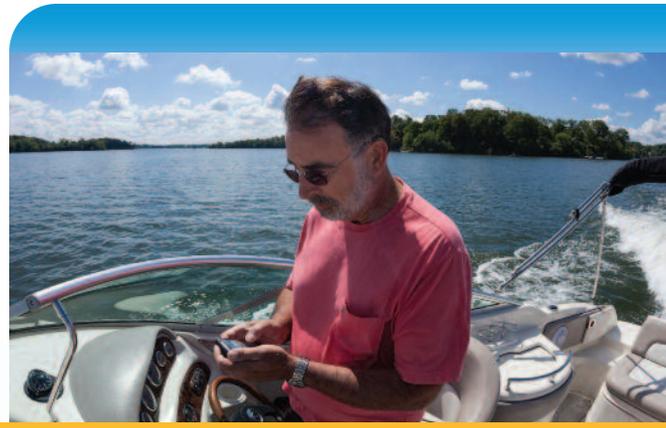
AMD and BLUE LIGHT

Age-Related Macular Degeneration (AMD) is a medical condition which usually affects older adults and results in a loss of vision in the center of the visual field (the macula) because of damage to the retina. AMD can make it difficult or impossible to read or recognize faces, although enough peripheral vision remains to allow other activities of daily life. AMD is a chronic degenerative disease that cannot be reversed. In the dry state, BluTech Lenses may help impede the progression of AMD by filtering the High Energy Visible (HEV) blue light.

Provide protection from harmful high-energy blue light.

BluTech Lenses are available for both indoor and outdoor use, with outdoor lenses being polarized for extra glare protection.

BluTech Lenses are a 1.56 index material and meet ANSI Z87.1-2003 high-impact test standards.



INDOOR

BluTech Lenses (Indoor) offer a slight tint from infused ocular lens pigment and melanin that protects the eyes from harmful high-energy blue light radiated by fluorescent and CFL light bulbs, computer screens, tablets, smart phones and televisions.

	Indoor Availability			
	KODAK Unique™ Lens	KODAK Precise®PB and Precise Short PB Lens	Signetek™ Flat-Top 28	Signetek Single Vision
DESIGN	Full Backside Progressive	Full Backside Progressive	FT-28 Uncut	SV Uncut
MAXIMUM CUTOFF	70mm	70mm	70mm	70mm
COLOR/TINT	Brown 0	Brown 0	Brown 0	Brown 0
SPHERE RANGE	+5.00 to -7.00	+5.00 to -7.00	+5.00 to -7.00	+6.00 to -7.00
CYLINDER RANGE to a -4.00, limited to a combined power of:	-7.00	-7.00	-7.00	-7.00
ABBE VALUE	46	46	46	46
ADD POWER	+0.75 to +3.50 in .25 D steps			N/A

OUTDOOR

BluTech Lenses (Outdoor) offer advanced protection from the sun's UV rays and harmful high-energy blue light.

	Outdoor Availability			
	KODAK Unique Lens	KODAK Precise PB and Precise Short PB Lens	Signetek Flat-Top 28	Signetek Single Vision
DESIGN	Full Backside Progressive	Full Backside Progressive	FT-28 Uncut	SV Uncut
MAXIMUM CUTOFF	72mm	72mm	72mm	72mm
COLOR/TINT	Brown 3	Brown 3	Brown 3	Brown 3
SPHERE RANGE	+5.00 to -7.00	+5.00 to -7.00	+5.00 to -7.00	+6.00 to -7.00
CYLINDER RANGE to a -4.00, limited to a combined power of:	-7.00	-7.00	-7.00	-7.00
ABBE VALUE	46	46	46	46
ADD POWER	+0.75 to +3.50 in .25 D steps			N/A

For over sixty-six years, Signet Armorlite has been a leader in the optical industry with quality products and innovative technologies.