UV damage is a serious threat to eye health. No-Glare lenses with UV protection are the most complete solution for long-term eye health.

Crizal® is the only No-Glare range on the market offering the most complete protection against the invisible and often irreversible dangers of UV light reflection.

Contact Luzerne Optical Laboratories, LTD at 800-233-9637 or on the web at www.LuzerneOptical.com

REFERENCES:

UV Light and Eye Health

A clinical guide that quantifies, demonstrates and validates No-Glare lenses with UV protection as the most complete everyday solution for long-term eye health.

UV LIGHT DAMAGES YOUR EYES JUST LIKE YOUR SKIN

• 79% of people know they need sun protection for their skin; however, only 6% know they need sun protection for their eyes
• The only internal tissues of the body that are directly exposed to environmental UV light are the eyes

UV LIGHT CAN SERIously DAMAGE YOUR EYES

• UV damage is cumulative and often irreversible
• UV damage due to chronic sun exposure is a factor in many eye diseases, such as cataracts

UV PROTECTION IS NEEDED 365 DAYS A YEAR

• In almost half of your daily activities, your eyes are exposed to harmful UV light that could cause damage
• Over 40% of your annual UV exposure is received when you are not in full sunlight and are less likely to wear protection
UV DAMAGE AND YOUR EYES
• No amount of UV exposure is healthy for your eyes
• UV light reflection is a newly recognized hazard to eye health
• Most higher quality lens materials provide protection from UV light transmission. However, UV light is still reflected off the backside of the lens, directly into the eye

EYE-SUN PROTECTION FACTOR (E-SPF)
• E-SPF is a new index that integrates UV protection from UV light coming from both sides of the lens
• This index can help make better-informed purchasing decisions for eyewear

WHAT UV DAMAGE MEANS TO YOUR EYES
• Eye disease associated with UV damage causes serious problems for both individuals and society, such as loss of productivity, social limitations and increased healthcare costs

UV LIGHT DAMAGES YOUR EYES JUST LIKE IT DOES YOUR SKIN
• 79% of patients know they need sun protection for their skin, but only 6% know they need sun protection for their eyes
• 90% of visible premature aging on areas such as the delicate skin around the eyes is caused by UV damage

UV LIGHT TRANSMISSION AND REFLECTION
UV reflection as a newly recognized hazard
• UV light comes from all directions, reflecting off surrounding surfaces and creating dangerous exposure

THE COMPLETE STORY OF UV PROTECTION
• A significant amount of UV light can reach the eyes from around the lens
• Measures have found that, on average, 20% of UV light reaches the eyes from the back and sides of the lens

UV LIGHT TRANSMISSION
• Measures have found that, on average, 20% of UV light reaches the eyes from the back and sides of the lens

WHAT IS UV PROTECTION?
• UV protection from UV light coming from the front and sides of the lens

EYE-SUN PROTECTION FACTOR (E-SPF)
• E-SPF is a new index developed by Essilor, endorsed by Professor K. Cline, O.D., integrating UV protection from UV light coming from both sides of the lens
• This index helps to make better-informed purchasing decisions by selecting eyewear with optimal UV protection

MATERIALS AND UV LIGHT TRANSMISSION PROTECTION
• Each material has a unique transmission value that indicates how well that material blocks and absorbs UV light to prevent transmission to the eye
• Photochromic and clear lenses made out of higher quality lens materials (polycarbonate, Trivex® material or high index) block 100% of the UV exposure coming from the front side of the lens

Clear 1.5 plastic does not provide 100% protection from UV transmission and therefore compromises eye health and visual comfort

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