

Safest loupe on the market

The only loupe protecting you from harmful blue light, without changing colour perception.

EXAMVTMISION



New unique eye protection



- Only loupe with protection embedded in the oculars
- Up to three times more protective against harmful Blue-Violet light than standard prescription lenses**
- Does not change colour perception and maintains aesthetic clarity

Protect yourself - High quality work depends on healthy eyes.

Your eyesight is one of your most valuable assets. Working in a bright, high-exposure LED environment your eyes are vulnerable to harmful UV and Blue-Violet light. Over time harmful light is one contributing factor of eye diseases like cataracts or age-related macular degeneration (AMD).*

Blue-Violet light in the 400-455nm band is the most harmful light in the Blue-Violet light spectrum. The unique Eye Protect System™ available in your ExamVision loupe oculars offers you the best possible protection** against precisely these wavelengths, while maintaining aesthetic clarity and without changing your colour perception.

Your most important tool in your work

Essilor has found that Eye Protect System™ lenses are up to three times more protective against harmful Blue-Violet light than standard prescription lenses.***

You can be at risk if you:

- Work long hours in high exposure LED environment
- Are over 45 years of age

Please note: The Eye Protect System™ is NOT sufficient to protect your eyes when using a UV curing light.

Talk to your ExamVision dealer about Eye Protect System™. For more information visit our website

www.exam-vision.com

* Eye health relies on various factors (age, genetics, smoking, diet). Light is one of the modifiable risk factors on which an ophthalmic lens may act. UV is one contributing factor of cataracts. Blue-Violet light is one contributing factor of AMD (1).

(1) McCarty CA, Taylor HR. A review of the epidemiologic evidence linking ultraviolet radiation and cataracts. Dev Ophthalmol. 2002; 35:21-31. Sunlight and the 10-year incidence of age-related maculopathy: The Beaver Dam Eye Study. Arch. Ophthalmol., 122, 750-757. New discoveries and therapies in retinal phototoxicity, Serge Picaud et Emilie Arnault, Points de Vue N°68, Spring 2013.)

** Selectively filter at least 20% of Blue-Violet light.

*** Blue-Violet light photo-protective potency is measured or calculated. Measurements are done through in vitro photobiology experiments conducted by Essilor and a 3rd party. Photosensitized RPE (Retinal Pigment Epithelium) cells are exposed to Blue-Violet light, reproducing the physiological exposure to sunlight of the 40 year old eye. Calculation model is using an interpolation method of spectral data between 400 and 455nm. This model has been designed thanks to correlation between spectral measurements and in vitro test results on outer retina cells, with a dispersion of 5%. For Eye Protect System™ lenses with Crizal Forte® UV coating, 25% (+/-5%) decrease in light-induced retinal cell death versus no filter. For standard lenses: 1.5 or Poly material with Crizal Forte® UV coating, about 7% decrease.



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