

CRIZAL® PREVENCIA™

LASTING PROTECTION FOR EYE HEALTH

Crizal Prevenzia is an Essilor innovation that selectively filters light for improved eye health protection. Light plays an essential role in everyday life but can also be the cause of premature eye ageing.



UV RAYS

UV RAYS ARE AS DANGEROUS TO OUR EYES as they are to our skin. The resulting damage accumulates over a lifetime, accelerating eye ageing and the development of cataracts.

BLUE-VIOLET LIGHT

HARMFUL BLUE-VIOLET LIGHT is one of the factors recently identified which can cause damage to retinal cells.

UV and Blue-Violet light is present everywhere, indoors and outdoors.

PROTECTION IS RECOMMENDED FOR EVERYONE ALL DAY LONG AND ALL YEAR LONG



Selectively filters out harmful light

- Reduces retinal cell death by 25%⁽¹⁾ by filtering harmful Blue-Violet light
- 30% less back surface UV reflection with E-SPF 35 index lenses⁽¹⁾
- For enhanced harmful light protection Crizal Prevenzia can be combined with Eye Protect System.⁽²⁾

Preserves your overall well-being

- By letting essential visible light pass through (including good Blue-Turquoise), which regulates sleep/wake cycles, mood, cognitive performances, etc...

Provides optimal vision & durable transparency

- By offering the most complete protection against reflections, scratches, smudges, dust and water

Protects against the enemies of clear vision



⁽¹⁾ See page 48 for details.

⁽²⁾ Discover Eye Protect System on page 27. Harmful light = UV and Blue-Violet light

Full two year guarantee against scratching and manufacturing defects.
For more information visit ecp.essilor.co.uk

CRIZAL® SAPPHIRE UV™

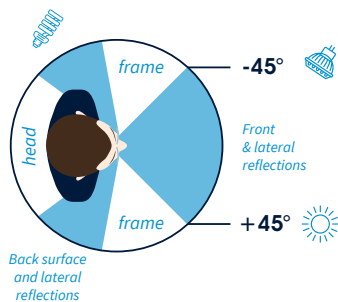
ALMOST INVISIBLE⁽¹⁾

Crizal Sapphire UV is the perfect combination of excellent anti-reflective efficacy and strong UV protection.⁽¹⁾



A NEW WAY OF THINKING ANTI-REFLECTIVE LENSES

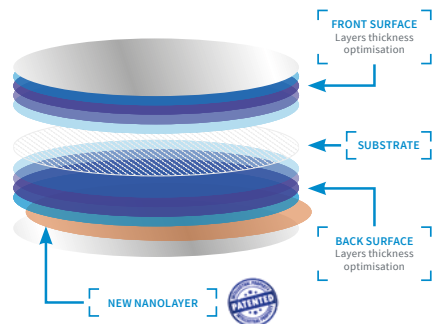
Anti-reflective lenses were designed to be efficient only on frontal angle between -15° and $+15^\circ$



- First anti-reflective lens designed to reduce reflections whatever the light incidence angle, from -45° to $+45^\circ$, both on front and back surfaces of the lens.
- New Alpha (α) measurement indicates the overall anti-reflective efficiency, whatever the light direction and taking into account both surfaces of the lens.
- **With Alpha (α) calculation*:** Reflections at all angles, on both surfaces of the lens, are reduced by up to 25% compared to Crizal Forte UV

A NEW WAY OF DESIGNING ANTI-REFLECTIVE LENSES

Both surfaces are interacting together to reduce reflections



- The thickness of the layers is recalculated to provide multi-angular property on both surfaces of the lens.
- On the back surface, an innovative SIO₂ nanolayer structure is added to minimise visible light reflections at 360° while keeping a high level of UV protection (protected by patent applications).

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CRIZAL® DRIVE

ENHANCE VISUAL COMFORT FOR SAFER DRIVING AT NIGHT

Crizal Drive enhances the driving visual experience for optimised comfort. It is a premium anti-reflective coating that offers impeccable clarity of vision. Thanks to the coating performance reflections are up to 90% less when driving at night.



Why do we experience discomfort at night?

Our vision is not adapted to this environment. Rod cells are the only photoreceptors in the retina to react to low lighting. This is what we call mesopic or night vision. Eye sensitivity is different in the day time than at night. At night, we are exposed to multiple and intense sources of light that create reflections and glare. These reflections and glare disturb rod cells, creating discomfort and lower visual acuity.

When night comes, multiple sources of light (headlights, traffic lights...) impact our vision creating:

- Difficulty in adapting to glare
- Low peripheral vision
- Decreased contrast sensitivity
- Increased response time

Introducing Crizal Drive

Crizal® Drive is a premium anti-reflective coating that offers impeccable clarity of vision. Thanks to the coating performance reflections are up to 90% less when driving at night⁽¹⁾, because of its perfect adaptation to lightwaves and extreme clarity of vision. It's also as effective as Crizal Sapphire UV during the day⁽²⁾.

Patient benefits

- Better clarity of vision throughout the day and night
- A Crizal coating that protects your patients lenses from the enemies of clear vision

Protects against the enemies of clear vision

SCRATCHES



SMUDGES



DUST



UV RAYS



Front and back surface UV protection⁽³⁾

⁽¹⁾ vs. a standard hard coat lens with no anti-reflective coating

⁽²⁾ In-Life Wearers Test Rupp+Huhbrach Optik 'AR day and night' Eyedrive GERMANY - 2016 n=49

⁽³⁾ See page 48 for details.

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