CRIZAL® PREVENCIA™:
COMPLETE EYE & LENS PROTECTION

ONLY CRIZAL PREVENCIA HAS EXCLUSIVE LIGHT SCAN™
• Protects the eyes from harmful light (Blue-Violet and UV)
• Allows beneficial light to pass through (visible light, including Blue-Turquoise)

CRIZAL PREVENCIA PROVIDES SUPERIOR CLARITY
OF VISION WITH COMPLETE PROTECTION
RESISTS glare, scratch, smudge, dirt, dust, UV rays

For more information, contact your local Crizal Sales Consultant or go to Crizal.com

NEW
Crizal® PREVENCIA™
No-Glare Lenses

REVOLUTIONARY PROTECTION FOR EYES
OUR EYESIGHT IS CRITICAL THROUGHOUT OUR LIFETIME

The prevalence of eye disease grows with age

With an aging population, the occurrence of cataract and age-related macular degeneration (AMD) cases will double in 30 years

### Light Spectrum

**Non-Visible and Visible Light Are Risk Factors for Developing Eye Diseases**
- UV is a major risk factor for many severe eye diseases, including cataract
- Blue light (also known as high energy visible, or HEV), at specific wavelengths, is a risk factor for the onset of AMD

**Visible Light Is Important for Vision and Everyday Health**
- All visible light is beneficial for
  - Color perception
  - Acuity
- Blue-turquoise light is beneficial for
  - Pupillary constriction reflex—Retina’s natural protection against light overexposure
  - “Human biological clock” synchronization—Allows the right functioning of the sleep/wake cycle, memory, cognitive performance, etc

**Eyes Need to Be Protected from Harmful Blue-Violet and UV Light**

### LIGHT IS BOTH HARMFUL AND BENEFICIAL TO VISION AND HEALTH

- Non-visible and visible light are risk factors for developing eye diseases
- Visible light is important for vision and everyday health

### US Cataract Population

<table>
<thead>
<tr>
<th>Year</th>
<th>Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>2</td>
</tr>
<tr>
<td>2020</td>
<td>3</td>
</tr>
<tr>
<td>2050</td>
<td>5</td>
</tr>
</tbody>
</table>

### US AMD Population

<table>
<thead>
<tr>
<th>Year</th>
<th>Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>24</td>
</tr>
<tr>
<td>2030</td>
<td>38</td>
</tr>
<tr>
<td>2050</td>
<td>50</td>
</tr>
</tbody>
</table>

Source: nei.nih.gov/eyedata
Based on in vitro tests on porcine cells.

† RPE = Retinal Pigment Epithelium.

A BREAKTHROUGH DISCOVERY:
WE IDENTIFIED THE PRECISE BAND OF LIGHT WITHIN THE BLUE-VIOLET SPECTRUM THAT IS MOST HARMFUL TO RETINAL CELLS

Essilor and the Paris Vision Institute discovered the precise band within the Blue-Violet spectrum that is most harmful to retinal cells.

The band of Blue-Violet light that is most harmful to retinal cells ranges between 415 and 455 nm (40 nm)

Retinal cell death* per wavelength*

Over 4 years of research went into uncovering this breakthrough

Protecting eyes from overexposure to Blue-Violet light decreases retinal cell death.

Introducing Light scan™

THE SELECTIVE NO-GLARE TECHNOLOGY THAT WORKS 3 WAYS TO FILTER OUT HARMFUL LIGHT AND PROVIDE OPTIMAL VISION

1. SELECTIVELY FILTERS OUT HARMFUL LIGHT (BLUE-VIOLET & UV)
2. ALLOWS BENEFICIAL LIGHT TO PASS THROUGH (VISIBLE LIGHT, INCLUDING BLUE-TURQUOISE)
3. MAINTAINS EXCELLENT TRANSPARENCY (CLEAR NO-GLARE LENS) for optimal vision at all times
SELECTIVELY FILTERS HARMFUL LIGHT

BLUE-VIOLET LIGHT IS PRESENT EVERYWHERE

OUTDOORS
Blue-Violet light is emitted all year round in any weather (sunny, cloudy, rainy, etc.). This is even true when the light comes through windows in your home, office or car.

INDOORS
Blue-Violet light is also present throughout the day and night. It is emitted from computers, tablets, most smartphones and compact fluorescent lightbulbs.

CRIZAL® PREVENCIA™ IS THE FIRST CLEAR LENS ON THE MARKET TO SELECTIVELY DEFLECT HARMFUL BLUE-VIOLET LIGHT.

Crizal Prevencia deflects 20% of harmful Blue-Violet light. 4

AND PROTECTS EYES

CRIZAL® PREVENCIA™ ALSO PROTECTS EYES FROM DAMAGING UV RAYS.*

Featuring an Eye-Sun Protection Factor (E-SPF®) of 25, *Crizal Prevencia provides wearers’ eyes with 25x more protection from UV than with no lens at all.

BLUE-VIOLET color indicates deflection of harmful light

Note: Crizal Prevencia lenses maintain the same overall No-Glare performance as Crizal Avancé UV™ (Visible Light Transmission = 99%; Visual reflection (Rv) = 0.6%).

FRONT SIDE PROTECTION
Deflects 20% of Blue-Violet light and 100% of UV light.

BACK SIDE PROTECTION
Back side reflection virtually eliminated

*The Blue-Violet light cut may differ slightly, depending on lens material.
† For any Crizal Prevencia lens made with any material other than clear 1.5 plastic.
‡ E-SPF of 25 means the wearer is 25 times more protected than without any lens. E-SPF of 25 when Crizal is made with any lens material other than clear 1.5 plastic.

†† The Blue-Violet light cut may differ slightly, depending on lens material.
‡‡ For any Crizal Prevencia lens made with any material other than clear 1.5 plastic.