



ordinary lens

Crizal No-Glare lens

SIMULATED IMAGE

**A COMPLETE PORTFOLIO OF NO-GLARE LENSES**

# FOR THE CLEAREST VISION POSSIBLE™



## Reduce glare

Glare, poor night vision, and reflection are major concerns for patients

- Less reflection during the day and safer nighttime driving



## Resist scratches

Scratch resistance is the benefit patients want most in No-Glare lenses

- Protection against everyday wear and tear, with few scratches from cleaning



## Repel water

Patients want lenses that stay clean in outdoor environments

- More convenient to wear outdoors



## Blue-violet light protection

Crizal® Previncia® selectively filters Harmful Blue Light\* for increased protection at all times

- Combine any Crizal® lens treatment with Essential Blue Series™ lenses to block up to 20% of Harmful Blue Light



## Resist smudges

Lenses that smudge easily are a major source of frustration

- Fewer smears and fingerprints mean less visual distraction



## Repel dust

Patients are bothered by dust, dirt, and lashes clinging to static on the inside of lenses

- *Crizal* repels these particles, so lenses stay cleaner longer



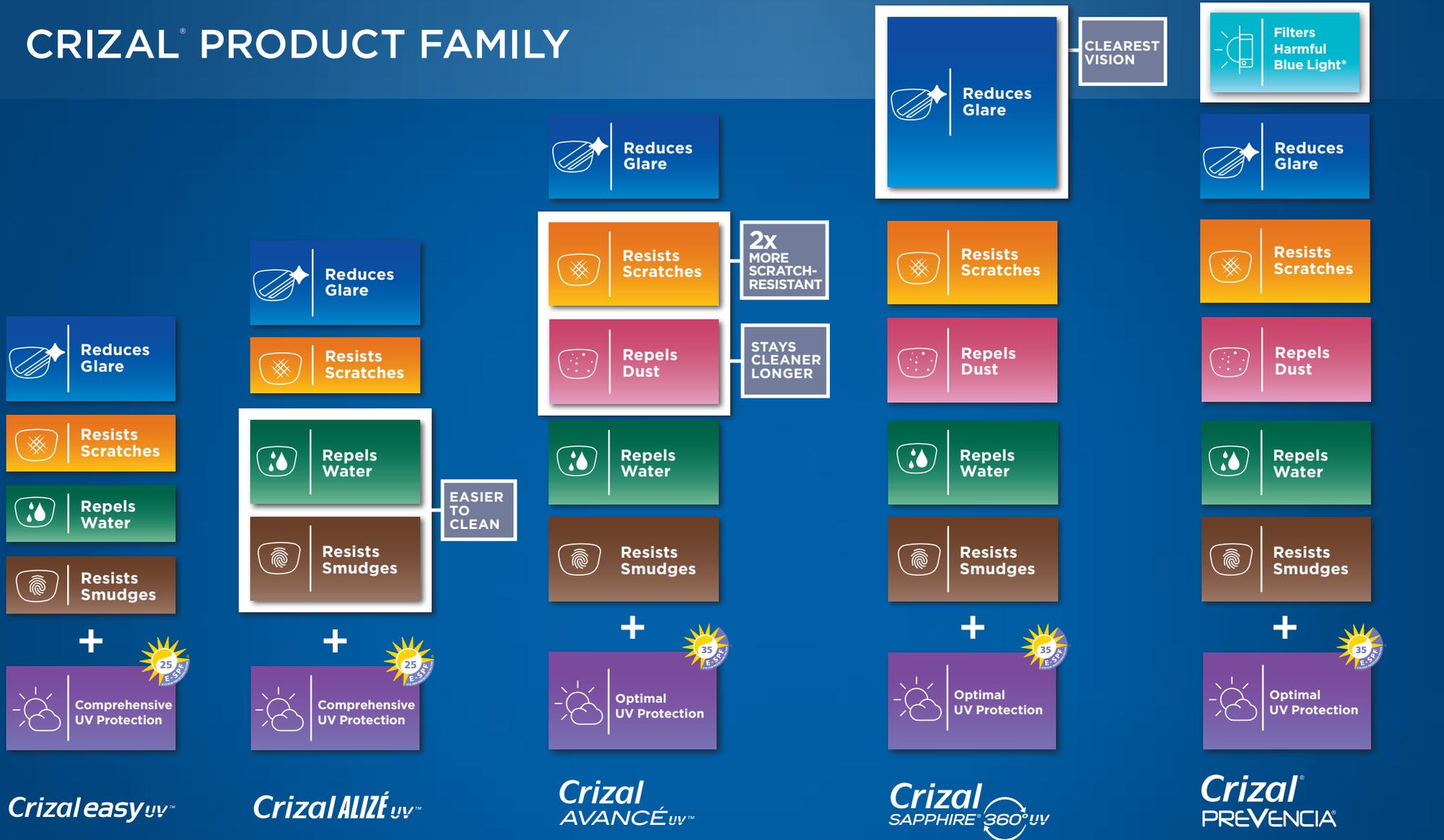
## Comprehensive UV protection

UV protection is needed every day, but many patients don't know this

- Essential protection against UV light

\*Harmful Blue Light is the blue-violet wavelength between 415-455nm on the light spectrum believed most toxic to retinal cells.

# CRIZAL® PRODUCT FAMILY



- More durable than ordinary lenses\*\*
- Easier to clean than ordinary lenses

- All the benefits of *Crizal Easy UV* lenses, PLUS:
- Superior protection against smudges, oil, and water
  - Lenses stay cleaner longer

- All the benefits of *Crizal Alizé UV* lenses, PLUS:
- 2x more scratch resistance to protect lens investment
  - Repels dust and dirt for clearer vision and less cleaning

- Plus, UV protection has been improved with E-SPF® 35

- All the benefits of *Crizal Avancé UV* lenses, PLUS:
- Best-in-class transparency
  - Reduction of reflections from any angle of light

- Selectively filters at least 20% of Harmful Blue Light
- Combine *Crizal Prevenica* with *Essential Blue Series* lenses for up to 30% protection from Harmful Blue Light

\*Harmful Blue Light is the blue-violet wavelengths between 415-455nm on the light spectrum believed most toxic to retinal cells.  
 \*\*Ordinary lenses are defined Aspheric lenses with applied hardcoat only

# CRIZAL SAPPHIRE® 360° UV



*Crizal* lenses offer two levels of UV protection

The latest innovation delivering best-in-class transparency with superior No-Glare treatment

- The first to feature **Multi-Angular Technology™**, which reduces reflections from any angle of light, resulting in less distracting glare, better aesthetics, and safer nighttime driving
- The only Crizal® lens to feature optimal UV protection in a clear lens, without compromising clarity
- Included in the Essilor Ultimate Lens Package, which combines three innovative lens technologies together in a single lens



## COMPREHENSIVE UV PROTECTION

The higher the E-SPF® Index, the greater the level of UV protection provided by the lens



## OPTIMAL UV PROTECTION IN A CLEAR LENS

The higher the *E-SPF* Index, the greater the level of UV protection provided by the lens

*E-SPF* is an index rating the overall UV protection of a lens. *E-SPF* was developed by Essilor International and endorsed by third party experts. The *E-SPF* index relates to lens performance only and excludes direct eye exposure that depends on external factors (wearer's morphology, frame shape, position of wear).

# CRIZAL SAPPHIRE® 360° UV LENS 9-STEP PROCESS

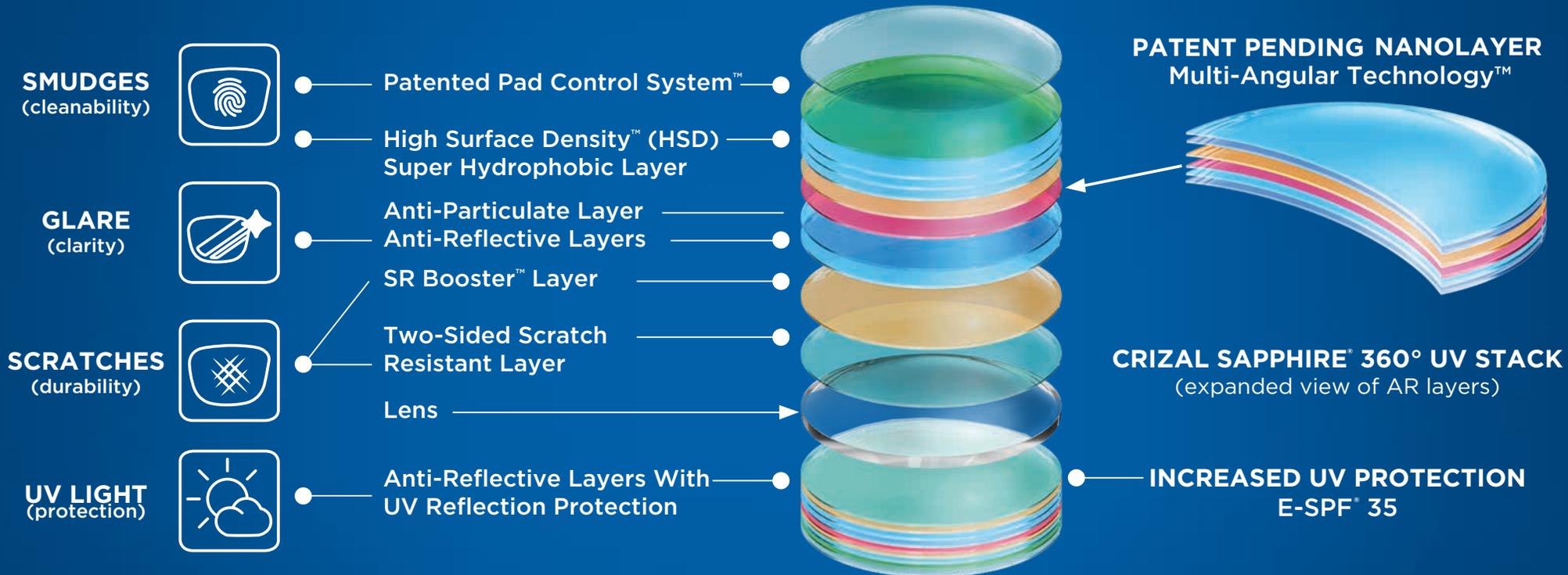


Image represents Crizal Sapphire 360° UV stack

\*Thickness of layers for demonstration purposes only. The image is not representative of the actual thickness. Total Crizal lens process thickness is less than 0.5µm.

# CRIZAL® PREVENCIA® NO-GLARE LENSES

## Crizal® PREVENCIA®

### Reduce the risk of Harmful Blue Light\*

While providing all the benefits of standard Crizal® lenses, *Crizal Prevenzia* lenses selectively filter Harmful Blue Light for increased protection at all times. These lenses

- Filter up to 20% of Harmful Blue Light, while allowing Beneficial Blue Light\*\* to pass through<sup>1</sup>
- Indicate they are effectively filtering Harmful Blue Light by reflecting a subtle purple hue
- Give your patients clear, comfortable vision with visible-light transmission of 99%
- Combine with Essential Blue Series™ lenses for up to 30% protection from Harmful Blue Light

### Everyday Sources of Blue Light



\*\*Beneficial Blue Light is the blue-turquoise high-energy wavelengths found between 465-495 nm on the light spectrum.

<sup>1</sup>Crizal Prevenzia lenses block at least 20% of Harmful Blue Light.

<sup>2</sup>Arnault E, Barrau C, Nanteau C, Gondouin P, Bigot K, et al. (2013). *Phototoxic Action Spectrum on a Retinal Pigment Epithelium Model of Age-Related Macular Degeneration Exposed to Sunlight Normalized Conditions*. PLoS ONE 8(8): e71398. doi:10.1371/journal.pone.0071398 (August 23, 2013). Identified Harmful Blue Light through *in vitro* experiment on swine retinal cells, where the most toxic wavelengths are high energy visible light falling between 415-455nm on the light spectrum (blue-violet light).

# CRIZAL® FOR KIDS

## Crizal kids uv™

### Protection from distracting glare

Whether they're in the classroom or on the playground, children are often exposed to bright reflections and glare that can cause irritation, eye strain, discomfort, and damage to the eyes. With *Crizal Kids UV* lenses, you can give children our best protection from glare, indoors and outdoors.



Recommended for ages 5-12.

## Crizal® PREVENCIÓN kids

### All of the benefits of Crizal Kids UV™ lenses, plus up to 20% protection from Harmful Blue Light\*

Overexposure to Harmful Blue Light can impact the retina and may contribute to long-term vision issues.<sup>2</sup>

Children today are exposed to increasing amounts of Harmful Blue Light. *Crizal Prevencia Kids* lenses selectively filter out harmful light while letting good light pass through.



Recommended for ages 5-12.



Applies to the Crizal lens process

## CRIZAL<sup>®</sup> NO-GLARE LENSES

Crizal Sapphire<sup>®</sup> 360° UV is included in the Essilor Ultimate Lens Package, three innovative lens technologies together in a single lens.

For more information, contact your Essilor Sales Consultant, or visit [ESSILORUSA.COM](http://ESSILORUSA.COM)

