**Light can be both harmful and beneficial to your vision and health**

**UV and Blue Light can contribute to developing eye disease**

- UV light is a major risk factor for many 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 age-related macular degeneration (AMD), the number one cause of severe vision loss and legal blindness in adults over 60.
- Rate of cataract and AMD will double in the US in 30 years.

**There are different types of Blue Light within the Light Spectrum**

- **Non-Visible Light**
  - UV (Harmful Light)
  - Blue-Violet (Harmful Light)
- **Visible Light**
  - Blue-Turquoise (Beneficial Light)
  - Rest of Visible Light

  **Cataract**
  - **AMD**
  - Sleep/wake cycle
  - Memory

**Blue-Violet light is one type of harmful light that is present everywhere**

- **Outdoors**: Emitted all year round in any weather (sunny, cloudy, rainy, etc.). This is even true when light comes through windows in your home, office or car.
- **Indoors**: Present throughout the day and night. It is emitted from computers, tablets, most smartphones and compact fluorescent lightbulbs.
- Exposure to Blue-Violet light is cumulative and is one of the risk factors contributing to the early onset of AMD.

**Light is important for vision and everyday health**

- Light is essential for color perception, and clarity and sharpness of vision.
- Blue-Turquoise light aids in the function of the sleep/wake cycle, memory, mood, cognitive performance, pupillary constriction reflex, etc.

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Eyes need to be protected from harmful Blue-Violet and UV light while allowing beneficial light to pass through.
**Crizal® Prevencia™ No-Glare Lenses**

The first No-Glare lens on the market that deflects harmful light, providing protection for eyes.

Introducing a selective No-Glare technology based on over 4 years of research.

- Protects eyes from the most harmful band within the Blue-Violet spectrum (415-455 nm).

Light Scan™ works 3 ways:

1. Selectively filters out harmful light (both Blue-Violet and 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

Crizal® Prevencia™ lenses deflect harmful Blue-Violet light by 20%.

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

Crizal Prevencia provides superior clarity of vision with complete protection.

RESISTS
- glare
- scratch
- smudge
- dust
- water
- UV

UV rays

**For more information contact Luzerne Optical Laboratories LTD at 800-233-9637 or on the web at www.LuzerneOptical.com**

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Covered under U.S. Patent No. 8,360,574. Additional U.S. and foreign patents pending. 1ZAA200097 SNI/CRY 5/13