The Need for No-Glare Lenses

Patients rely on healthy vision for everyday life. Your prescription of No-Glare or Anti-Reflective (AR) lenses significantly enhances the quality of vision that your patients experience. All patients benefit from the increased comfort, enhanced clarity and durability that No-glare lenses provide.

No-glare lenses are an essential part of your prescribed vision solution for all patients and here's why:

1. Improves contrast sensitivity and visual acuity in low light, especially while driving at night
2. Increases the field of vision during night driving for patients with higher myopia
3. Improves recovery time after exposure to extreme glare, such as oncoming headlights while driving at night, especially for myopes
4. Improves visual acuity by reducing scratches and smudges on premium No-glare lenses
5. Increases comfort during night driving and during computer use
6. Decreases eye fatigue caused by glare from whiteboards, computers and classroom lighting so children can stay focused on learning

Contrast Sensitivity and Visual Acuity Improved by No-Glare Lenses in Dim Light Conditions

As light decreases, so does a patient's ability to differentiate objects and recover from extreme glare exposure. This becomes especially difficult in situations such as right time driving.

What do contrast sensitivity and visual acuity mean to the patient?

• Contrast Sensitivity is the patient's ability to discriminate different shades of gray or objects against a low contrasting background.
• Visual Acuity refers to spatial resolution or the capacity for the patient to see different sized letters. Most often, the Snellen chart is used to measure visual acuity.

Improving Contrast Sensitivity

By reducing glare, No-Glare lenses provide up to 20% improvement in contrast sensitivity, allowing the wearer to not only see better, but also react faster when driving.

Improving Visual Acuity

Wearing No-Glare lenses improves visual acuity up to 2 lines for some patients in presence of extreme glare such as oncoming headlights while driving at night.

METHODOLOGY: These tests determine the effect of exposure to glare from rear lighting in dim light on visual acuity and contrast sensitivity when wearing a No-Glare lens versus a lens with glare. Patients were asked to identify targets within a spatial frequency range and contrast sensitivity graphs. In the presence of glare, these targets were not visible due to the halos produced by glare. Similar halos are produced by oncoming headlights and lights reflected in the rearview mirror during night driving.

No-Glare Lenses Improve Field of Vision and Recovery Time at Night

Driving at night is difficult for many eyeglass wearers since they are exposed to glare from oncoming traffic and street lights and experience reduced visibility. Wearing No-Glare lenses allow the patient more opportunity for safer driving.

No-Glare lenses provide up to a 30% wider field of vision and better contrast at night in the presence of glare especially for patients with higher myopia (> -3.00D).

PREFERRED BY HIGHWAY PATROL: In a study conducted with Highway Patrol troopers, 89% of troopers chose Crizal® lenses over uncoated lenses as their overall preferred lens. In fact, No-Glare lenses were highly preferred for reduction in glare and reflections during the day, night, indoors and in patrol vehicles.

Comfort and Safety While Driving at Night

No-Glare lenses allow the wearer to recover up to 5 seconds faster to full vision after being exposed to extreme glare such as headlights.1,2 The improvement is more prevalent in myopic patients.
Scratches and Smudges Reduce Visual Acuity
Scratches and smudges are more than a cosmetic distraction; they actually decrease the visual acuity of the wearer. No-Glare lenses with better scratch protection help retain maximum visual acuity.

No-Glare Lenses Reduce Eyestrain When Using Computers
Tired eyes and headaches often result from extended computer use. Wearers are 3 times more satisfied with No-Glare lenses versus lenses with glare to help eliminate these symptoms.

- Tired Eyes
- Headaches
- Itchy Eyes
- Watery Eyes
- Blurred Vision

80% of Everything Children Learn in Their First 12 Years is Through Their Eyes
(Joint Task Force on Prevention of Vision Impairment)
Good vision is a learning tool for children. Yet, glare from classroom lighting, headbands and computers can interfere with a child’s learning. No-Glare lenses eliminate visual fatigue and headaches associated with glare so children stay focused on learning.

Essilor No-Glare Lens Portfolio

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

No-Glare lenses are an essential part of your prescribed vision solution for ALL patients and here’s why:

SAFER NIGHT TIME DRIVING
No-Glare lenses provide:
• 20% sharper contrast so drivers can see objects more Clearly
• 5 seconds faster recovery time and 30% wider fields of vision for safety
• 70% of wearers prefer No-Glare lenses for comfortable night time driving

CLEAR AND COMFORTABLE VISION
• Premium No-Glare lenses help retain maximum visual acuity by reducing scratches and smudges
• Wearers are 3 times more satisfied with No-Glare lenses after extended computer use. No-Glare lenses help eliminate these symptoms:
  - Tired Eyes
  - Headaches
  - Itchy Eyes
  - Burning Eyes
  - Watery Eyes
  - Blurred Vision

KIDS AND LEARNING
80% of everything children learn in their first 12 years is through their eyes.
• No-Glare lenses keep visual fatigue away by eliminating glare caused by computers, whiteboards and classroom lighting so kids stay focused on learning.

98.2% of wearers preferred No-Glare lenses with Scotchgard™ Protector to help eliminate these symptoms:

- Burning Eyes
- Tired Eyes
- Watery Eyes
- Headaches
- Itchy Eyes
- Blurred Vision

No-Glare Lens Studies and Clinical Guide
A collection of studies and clinical guides that quantify, demonstrate and validate No-Glare lenses as the vision solution for all patients.

No-Glare Lens Portfolio

BENEFITS

- Better Scratch Protection (up to 1 line versus No-Glare lens)
- Durability
- Scratch Resistance
- UV Protection
- Anti-Reflective (AR) Technology

CRIZAL AVANCE™ lenses with Scotchgard™ Protector improve visual acuity up to 1 line versus No-Glare lenses.

Independent Lab Testing

- Contact Angle
- Top Coat Durability
- Scratches & Smudges

Footnotes:
6. Bayer Test performed by depositing the AR Stack on the front side of the lens. UV cured backside.
7. After Bayer Test (A) Competitive no glare lenses (B) Competitive No-Glare lenses.