



NEOCHROMES®

Light-sensitive lenses  
that change with you



# NEOCHROMES®

Thanks to their innovative and efficient technology, Neochromes lenses adapt instantly to changes of light, increasing comfort and visual quality. They reduce visual fatigue and protect against harmful light rays, preventing the development of visual problems caused by exposure to light.

Neochromes lenses are available in attractive colors with consistent aesthetics and performance across all available materials. Wearers will see clearly and comfortably, indoors and outdoors, all year round.

## Light-sensitive lenses that change with you

### CHARACTERISTICS/



#### Comfort

Their smooth transition from clear to dark provides **clear and comfortable vision** in any environment and any light.



#### Protection

They block **100% of UV rays and filter out harmful blue light** from our environment and from digital devices.



#### Prevention

They help to **prevent visual fatigue** and potential damage caused by ultraviolet radiation.



#### Simplicity

**They provide convenience** in your day-to-day life, as you only need one pair of glasses for everything.



# HIGH-QUALITY → LIGHT-SENSITIVE LENSES THAT → CHANGE/ ↔ WITH YOU

## BENEFITS FOR THE PATIENT/

- **Exceptional versatility**, thanks to their instant adaptation to changes in light conditions
- **Fast performance**, darkening in seconds and returning to clear in just a few minutes
- **Clear vision** with improved clarity and contrast
- **High protection** against harmful UV rays and blue light, helping to prevent related eye conditions
- **Greater comfort**, helping to reduce visual fatigue
- **Stylish aesthetics** with a choice of two natural, on-trend colors

## TARGET/

Ideal wearers are those who want:

- **Convenience** by not having to change glasses in bright light
- **Flexibility** with lenses that adapt to their lifestyle
- **Protection** against sun damage and eye fatigue

## HEV LIGHT FILTER/

Absorption (400 nm - 420 nm)

INACTIVE → 80%

ACTIVE → 91%

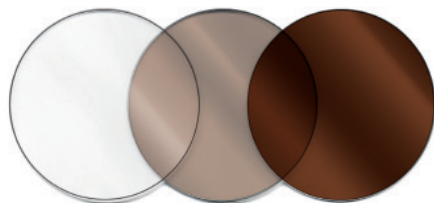
## KEY DATA/

The activated lens:

- Achieves 10% T at 23°C
- Blocks 91% of harmful blue light, and 89% between 425-450 nm.

## WHAT IF YOU COULD OFFER HIGH-PERFORMANCE PHOTOCHROMIC LENSES CAPABLE OF LIGHTENING IN JUST A FEW MINUTES?

THEY DARKEN  
IN SECONDS →



← THEY LIGHTEN  
IN 2 MINUTES  
T1/2f measured at 555 nm and 23 °C

## PROTECTION AGAINST UV RAYS AND BLUE LIGHT →

Neochromes lenses help users to take care of their eyes by **blocking 100% of harmful UVA and UVB rays**.

They also filter out blue light, especially outdoors. The blue light emitted by smartphones, tablets and computers is less than that emitted by **sunlight, which is much more intense**.



Block 100% of UVA  
and UVB rays



Filter out a high proportion  
of harmful blue light

## PROTECT → YOUR MOST VALUABLE ASSET: YOUR VISION/↖

Neochromes lenses **adapt automatically to the light intensity** outdoors, lightening quickly when indoors.



# CUTTING-EDGE PHOTOCROMIC LENS / ↔ EXCEEDING STANDARDS / WITH EXCEPTIONAL BENEFITS

## HIGH-PERFORMANCE PRODUCT

- Designed for **optimal and balanced performance.**
- Available in a **variety of materials** in order to adapt to every need and preference.

Product	Lum T <sub>Light</sub>	Lum T <sub>Dark</sub>	T 1/2 <sub>D</sub>	T 1/2 <sub>F</sub>
Neochromes	87%	10%	7 s	130 s

\* Measurements at 23°C

**Lum T Light:** The percentage of light that passes through the lens when it is deactivated.  
**Lum T Dark:** The percentage of light that passes through the lens when it is activated.  
**T 1/2D:** The seconds it takes the lens to reach the middle of its darkening phase.  
**T 1/2F:** The seconds it takes the lens to reach the middle of its lightening phase.

## TEMPERATURE/

**Temperature affects all photochromic lenses.**  
In cold climates, photochromic lenses darken more and take longer to lighten. However, in **warm climates**, they do not darken as much and are quicker to lighten.

This is a characteristic of the state of balance in a photochromic system. **The photochromic molecules use thermal energy to become transparent.**

### WARM CLIMATE

- Darker
- + Clearing time



### COLD CLIMATE

- + Darker
- Clearing time



# HIGH-QUALITY ↔ LIGHT-SENSITIVE LENSES

## MATERIALS/

With photochromic lenses, it is quite normal to experience inconsistent functionality that **varies depending on the refractive index**. The Neochromes range of lenses offers nearly identical functionality in all materials.

AVAILABLE IN  
GRAY AND BROWN



NEOCHROMES®  
Embrace the light