



NEOCHROMES®

with Camber Technology

Light sensitive lenses with
the best optical quality



camber
technology

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Our top-of-the-range Neochromes lens with Camber Technology delivers the **best optics and aesthetics** in high-performance photochromic lenses.

Neochromes' state-of-the-art photochromic technology ensures **fast activation and fade-back times**, with high protection from damaging UV rays and blue light. The addition of Camber Technology delivers the optically ideal base curve for each zone of the lens, for an elite visual experience.

This fusion of advanced technologies gives wearers **maximum visual clarity and comfort, indoors or outdoors, for any activity, and at any distance.**

Light sensitive lenses with the best optical quality

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.



Innovation

Camber Technology ensures **excellent optical quality at any distance**, especially in near vision.



TRANSPARENT
INDOORS AND
AT NIGHT



DARK
OUTDOORS

INNOVATIVE → PHOTOCHROMIC LENS / MEETS UNBEATABLE VISUAL ↔ QUALITY

BENEFITS FOR THE PATIENT/

- **High-quality vision** – especially in the near zone
- **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
- **Very comfortable** indoors, outdoors and for electronic device use
- **Stylish aesthetics** – Camber Technology allows for thinner, flatter lenses with a choice of two on-trend colors

TARGET/

Ideal wearers are those who want:

- **Convenience** by not having to change glasses in bright light
- **Clarity and stability** at every moment of the day
- **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%

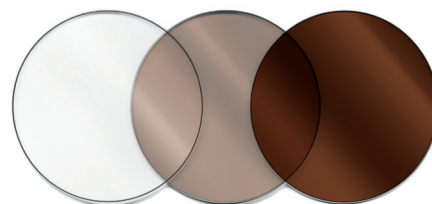
KEY DATA/

The activated lens:

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

HIGH-PERFORMANCE PHOTOCHROMIC LENSES THAT LIGHTEN IN JUST A FEW MINUTES

THEY DARKEN
IN SECONDS



THEY LIGHTEN
IN 2 MINUTES

T1/2f measured at 555 nm and 23 °C



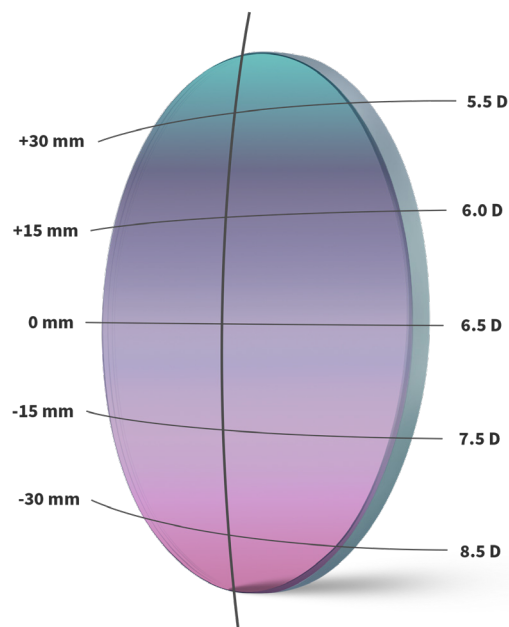
Block 100% of UVA
and UVB rays



Filter out a high proportion
of harmful blue light

WITH THE → BEST OPTICAL QUALITY /↖

The Camber lens has a patented increasing base curve* that **expands the reading zone, sharpens peripheral vision**, and enables **thinner lenses** for high plus and add prescriptions.



* Lens with continuous power gradation. Patent: WO2011093929 / US8042941

NEOCHROMES LENSES/ ↔ THAT CHANGE WITH YOU NOW WITH ↔ CAMBER TECHNOLOGY

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 _{Light}	Lum T _{Dark}	T _{1/2D}	T _{1/2F}
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.

WARM CLIMATE

- Darker
- + Clearing time



COLD CLIMATE

- + Darker
- Clearing time



LIGHT SENSITIVE-LENSES ↔ WITH UNBEATABLE VISUAL QUALITY

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



MATERIAL	DIAMETER	BASE CURVE
POLYCARBONATE HC	76	0.50 2.00 3.00 4.00 5.00 6.00 7.00 8.00
HI-INDEX 1.60 UC	76	0.50 2.00 3.00 4.00 5.00 6.00 7.00 8.00
HI-INDEX 1.67 UC	76	0.50 2.00 3.00 4.00 5.00 6.00 7.00 8.00

* Only available in USA and Canada.

Neochromes®, optimal functionality in all materials.

NEOCHROMES®
Embrace the light