

camberPure

Limitless clarity

One Lens. All Materials. True-to-Life vision.

CamberPure is the first progressive lens proven to reduce chromatic aberration through design alone.

It combines IOT's most advanced innovations—including Chromatic Aberration Reduction Technology—to deliver next-level optical performance in any lens material.

20%

*average reduction in chromatic aberration across all lens materials**

* Based on internal modeling across multiple lens materials

Chromatic aberration is especially pronounced in:

- LOW ABBE LENS MATERIALS
- STRONGER PRESCRIPTIONS
- LARGER FRAMES

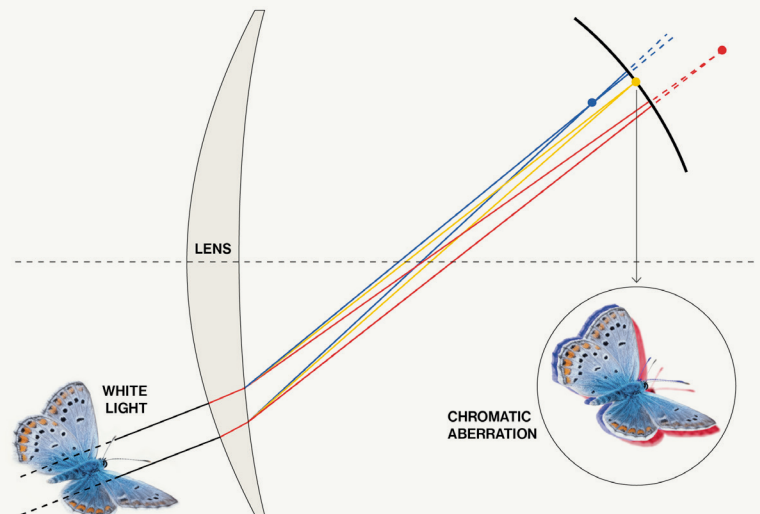
65%

of progressive lenses are made from advanced lens materials like polycarbonate and high-index.

* Progressive Lenses Market Global Outlook & Forecast 2022–2027 and internal IOT data

What is chromatic aberration?

Chromatic aberration occurs when the component colors of light refract at different angles through a lens.



All free-form lenses are optimized for a standard wavelength of yellow light where power and index of refraction are measured - but this means higher-energy blue light and lower-energy red light are slightly out of focus.

Why does it matter?

Chromatic aberration causes **blurred edges, reduced contrast, and even visible color fringing**. These effects can significantly reduce comfort and ease of adaptation for progressive lens wearers.

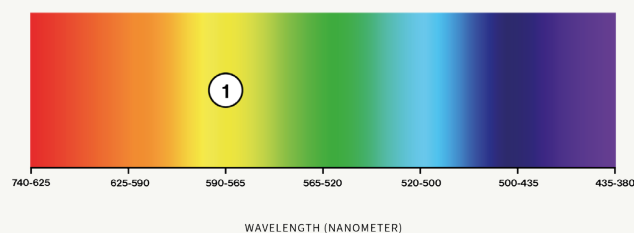
The Breakthrough: Chromatic Aberration Reduction Technology (CART)

How it Works:

CamberPure's advanced technology corrects aberrations not just at the standard yellow wavelength, but also simultaneously deep into the red and blue. This alignment of colors improves clarity, sharpness, and contrast across the whole lens.

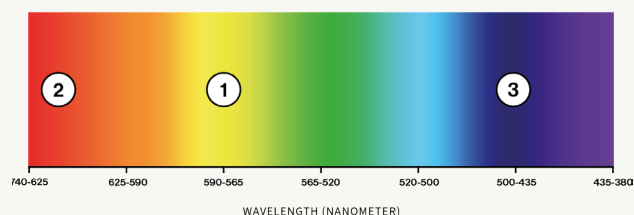
Standard Lenses

Correct at only 1 bandwidth



CamberPure

Corrects at 3 to encompass the entire visual spectrum



This breakthrough is achieved through **a unique back surface design that corrects for prism as well as power.**

Improved Optics in All Materials

Advanced materials like polycarbonate and high-index offer clear advantages in weight and durability—but their lower Abbe values can compromise visual performance.

While Abbe value is intrinsic to the material and cannot be changed, it is possible to calculate an **effective Abbe value with CamberPure** that corresponds to the improved visual quality a wearer will perceive.

LENS MATERIALS	ABBE VALUE	EFFECTIVE ABBE VALUE WITH CAMBERPURE
Polycarbonate	30	↑~41
1.67 / 1.74	33	↑~41
1.60	43	↑~52
Trivex	45	↑~56
Hard Resin	58	↑~69

Presented data is based on mathematical hypotheses and theoretical models. It is not guaranteed to reflect real-world results and should be used for informational purposes only.

Clarity in Every Moment



SHARPER, MORE
ACCURATE VISION



NATURAL COLOR
& CONTRAST PERCEPTION



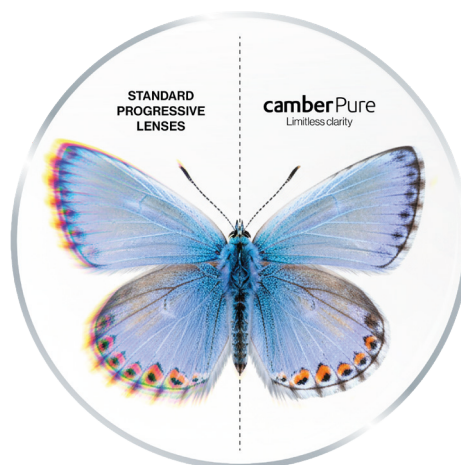
EFFORTLESS
& FASTER ADAPTATION



SUPERIOR COMFORT
FOR ALL-DAY WEAR



LIGHTWEIGHT,
STYLISH DESIGN



**Artist's interpretation of chromatic aberration*

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know more?**

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