

# XTRACTIVE® POLARIZED™

THE ONLY AND BEST  
EVER PHOTOCROMIC  
POLARIZED LENS

Compared to clear to dark photochromic lenses.



# Transitions™

Light  
Intelligent  
Lenses

New Transitions® XTRActive® Polarized™ lenses are **the only & best ever photochromic polarized lenses**,<sup>1</sup> specially designed for wearers who are very light sensitive and are frequently exposed to very bright light and reflective glare.

## NEED FOR EXTRA LIGHT PROTECTION

### PROVEN BY SCIENCE

- **High-intensity light situations**, such as **very bright light** or **reflective glare**, can compromise our vision.
- **Repetitive exposure** to intense light can create a **cumulative effect** and could have an **impact on eye health**.<sup>2</sup>

### MORE RELEVANT THAN EVER

- **9/10** wearers are light sensitive & **3/10** are **very light sensitive**.<sup>3</sup>
- More wearers struggle with light linked to modern lives and pandemic context.

### WORLDWIDE, PEOPLE DECLARE<sup>4</sup>

**75%**

protecting their eyes from UV and Harmful Blue Light is more important than ever.

**66%**

spending more time on screens than before the pandemic.

**69%**

eyeglasses are important for their eye health.

## THE ONLY AND BEST EVER PHOTOCROMIC POLARIZED LENSES<sup>1</sup>



POLARIZATION EFFICIENCY

UP TO 90%  
POLARIZATION  
EFFICIENCY<sup>5</sup>



IN THE CAR

ACTIVATES IN  
THE CAR



BLUE LIGHT PROTECTION

BEST BLUE  
LIGHT  
PROTECTION  
INDOORS<sup>7</sup>



DARKNESS

EXTRA-DARK  
UP TO  
CATEGORY 3<sup>6</sup>



UV PROTECTION

BLOCK  
100%  
UVA & UVB



RESPONSIVENESS

UP TO 2X  
FASTER  
FADEBACK<sup>8</sup>

ASK AN ESSILOR ACCOUNT EXECUTIVE  
FOR MORE DETAILS.




SEE MORE.  
DO MORE.

# A NEW DIMENSION OF VISION EXPERIENCE



SHARPER VISION<sup>®</sup>

*Transitions XTRActive Polarized* lenses help to reduce the glare created by the sun, empowering the wearer to see through reflective surfaces such as a window, water, or snow.



By reducing glare, *Transitions XTRActive Polarized* lenses help improve visibility up to 33% more than non-polarized sun lenses.

LARGER VIEW<sup>®</sup>



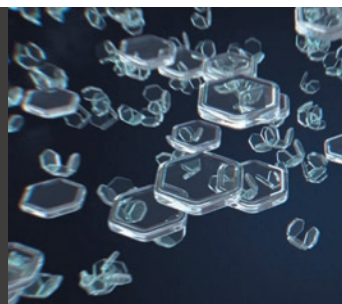
VIVID COLORS<sup>®</sup>

The polarization properties of *Transitions XTRActive Polarized* lenses make the world 30% more colorful.

## UNIQUE ADVANCED TECHNOLOGY

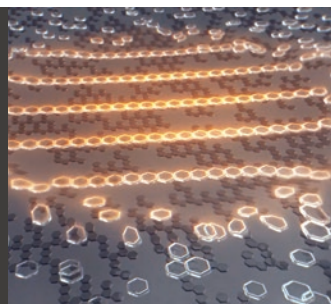
*Transitions XTRActive Polarized* lenses combine an **exclusive multi-layer matrix** with new *Transitions XTRActive* broad-spectrum dyes for more darkness and new ultra-fast dichroic dyes for polarization.

### NEW XTRACTIVE DYES



Powered by a broader spectrum of both UV and visible light, *Transitions XTRActive Polarized* lenses are clear indoors with a hint of protective tint and capture more light energy to get extra dark outdoors<sup>10</sup> and even activate in the car.<sup>11</sup>

### EXCLUSIVE MULTI-LAYER MATRIX



The true magic behind these lenses is provided by proprietary, ultra-fast dichroic dyes that give the lenses the ability to dynamically polarize - going from no polarization indoors to up to 90% of polarization efficiency outdoors.<sup>9</sup>

1. Compared to clear to dark photochromic lenses. 2. Ultraviolet light and ocular diseases. Int Ophthalmol. 2014 Phototoxic Action Spectrum on a Retinal Pigment Epithelium Model of Age-Related Macular Degeneration Exposed to Sunlight Normalized Conditions. PLoS ONE. 2013. 3. Transitions Optical, Quality of Vision and Vision Experience Test in Controlled Lab Situations (Lab Wearer Testing), U.S., Eurosyn, Q4 2019, N=135. 4. Transitions Optical, Global Consumer Sentiment and Behavior, Multi-country survey (AR, AU, CO, FR, IT, SG, ZA, UK, US), Q4 2020, People Research, N=6,403 - Base: Prescription Eyeglasses Wearers 18+ yo (N=4,586) 5. Based on tests across materials on gray lenses @ 23°C, using ISO 12312-1 standard. 6. Based on tests on polycarbonate gray lenses, up to 10% darker than the previous generation @ 23°C and up to 5% darker @ 35°C. 7. Compared to clear to extra dark photochromic lenses, *Transitions XTRActive Polarized* polycarbonate gray lenses filter 35% of Harmful Blue Light indoors in a clear state. "Harmful Blue Light" is calculated between 380nm and 460nm. 8. Based on tests on polycarbonate gray lenses compared to the previous generation, fading back to 65% transmission @ 23°C. 9. EcoOptics Limited - Prof. Nicholas Roberts, Quantitative study evaluating the visual benefits of the polarization properties of lenses, 2019/2020. 10. Based on tests on polycarbonate gray lenses, up to 10% darker than the previous generation @ 23°C and up to 5% darker @ 35°C. 11. Based on tests across materials on gray lenses, achieving transmission below 45% @ 23°C behind a standard windshield. The lens achieves a polarization efficiency of 30% behind the windshield, which is not classified as being "polarized".

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