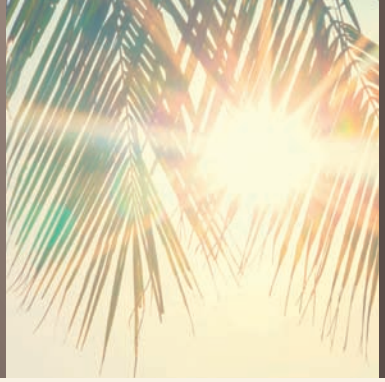
XTRACTIVE®
NEW GENERATION

BEST XTRA DARKNESS
BEST XTRA LIGHT PROTECTION[1]



Transitions™
Light Intelligent Lenses

Transitions® XTRActive® new generation lenses are specially designed to deliver the best extra darkness and the best extra light protection[1] that very light sensitive eyeglass wearers desire.

NEED FOR EXTRA LIGHT PROTECTION

PROVEN BY SCIENCE

- **Repetitive exposure** to intense light can create a **cumulative effect** and could have an **impact on eye health.**[2]
- **Lights emitted by screens or LEDs** have an unbalanced spectrum, with a high ratio of **blue light that may** accelerate symptoms of **eye fatigue, dry eyes,** and **blurred vision.**[3]

MORE RELEVANT THAN EVER

- **9/10** wearers are light sensitive and **3/10** are **very light sensitive.**[3]
- Modern lives and pandemic context can amplify our struggle with light.

WORLDWIDE, PEOPLE DECLARE[4]

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 my eye health

BEST XTRA DARKNESS
BEST XTRA LIGHT PROTECTION[1]

THE DARKEST IN HOT TEMPERATURES[5]

BEST BLUE LIGHT PROTECTION INDOORS[6]

THE DARKEST IN THE CAR[7]

BLOCK 100% UVA & UVB

UP TO 35% FASTER FADEBACK[8]

CLEAR INDOORS WITH A HINT OF PROTECTIVE TINT

**Transitions XTRActive* new generation lenses filter up to 34% of Harmful Blue Light indoors and up to 90% of Harmful Blue Light outdoors. "Harmful Blue Light" is calculated between 380nm and 460nm. Based on tests on polycarbonates gray lenses at 23ºC.*

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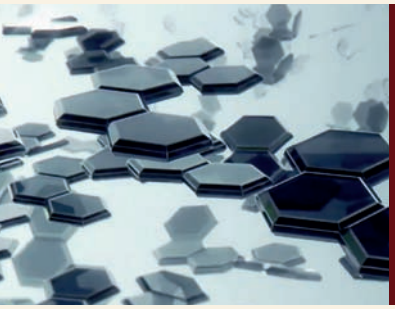
FOR MORE DETAILS.

essilor
SEE MORE. DO MORE.

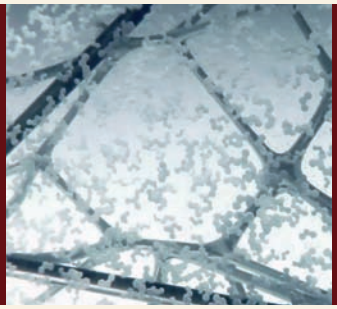
CUTTING-EDGE CLEAR-TO-EXTRA DARK TECHNOLOGY

Transitions® XTRActive® new generation lenses introduce our most advanced dye package ever with new photochromic molecules fine-tuned to provide the best extra darkness, improved activation & fadeback and the best extra light protection.[1]



NEW POWERFUL XTRACTIVE DYES

The extended molecular structure of the dye improves their ability to absorb more visible light energy which has cracked the challenge of activation and darkness in hot temperatures.



EXCLUSIVE NEW NANO-COMPOSITE MATRIX

The new nano-composite matrix technology increases the mobility of the dyes resulting in lenses that activate and fadeback fast without sacrificing darkness or durability.

IMPROVED VISION EXPERIENCE

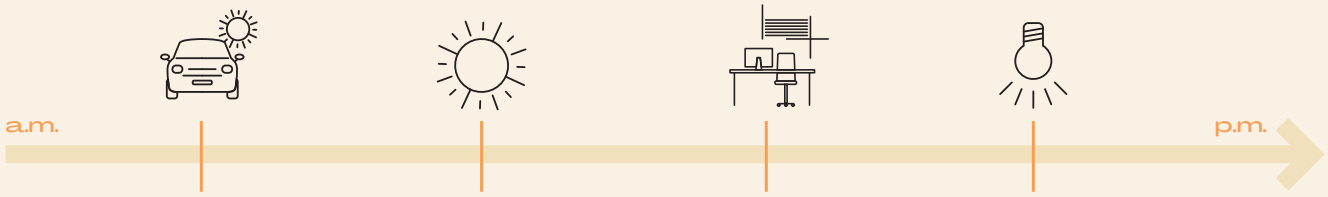
Transitions XTRActive new generation lenses have been tested by wearers in their daily life with impressive results. Superior vision performance is one of the top reasons wearers like *Transitions XTRActive* new generation lenses.

Of the wearers that preferred *Transitions XTRActive* new generation lenses:

97%	98%	94%
saw quickly & precisely[9]	experienced clarity of vision[9]	had a wider field of vision[9]

WEARERS EXPERIENCE IN THEIR DAILY LIFE[10]

The wearer test indicates that in many situations — like driving, in sunny days, indoors in front of a computer or exposed to artificial light — wearers appreciated *Transitions XTRActive* new generation lenses.[10]



86%
are very satisfied with overall vision experience in the car
Eg: commuting in the car in a sunny morning

87%
feel eyes are very well protected in outdoor, very sunny situations
Eg: taking a walk during a lunch break

80%
feel their eyes were very well protected in front of screens
Eg: working in the office or at home

87%
feel their eyes were very well protected indoors, in bright and artificial lights
Eg: doing the grocery shopping

1. The darkest in hot temperatures, in the car and offering the best overall blue light protection across light situations* among clear to extra dark photochromic lenses.*Protection from Harmful Blue Light (380nm-460nm) among polycarbonate and 1.5 grey lenses: blocking (i) up to 34% indoors at 23°C, (ii) up to 64% behind the windshield (iii) up to 90% outdoors at 23°C and (iv) up to 83% outdoors at 35°C. **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.** Baillet G., Granger B., How Transitions® lenses filter harmful blue light, Points de Vue, International Review of Ophthalmic Optics, online publication, March 2016. **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/N=700 per country, Eyeglasses wearers agree to say Top2Boxes. **5.** Clear to extra dark photochromic category. Tests across polycarbonate and 1.5 grey lenses at 35°C achieving <18%T using Transitions Optical's standard testing method. **6.** Blocks up to 34% of harmful blue light (380nm-460nm) indoors at 23°C. Tests carried out on polycarbonate and 1.5 grey lenses in the clear to extra dark photochromic category. **7.** Clear to extra dark photochromic category. Polycarbonate and 1.5 grey lenses tested at 23°C behind the windshield achieving between 18%T and 43%T. **8.** Compared to the previous generation, across materials tested on grey lenses fading back to 70% transmission at 23°C. **9.** Transitions Optical, Quality of Vision and Vision Experience Test In Real Life situations (Life Wearer Testing), France, Eurosyn, Q3 2020, N=148 – Top4Boxes *Based on wearers who preferred XTRActive II lenses (32% of total wearers). Cautious: small base size (n=46 wearers who preferred XTRActive II lenses). **10.** Compared to clear to dark photochromic lenses. **11.** Based on tests across materials on grey lenses @ 23°C, using ISO 12312-1 standard.

For more information visit EssilorPro.com

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Transitions™