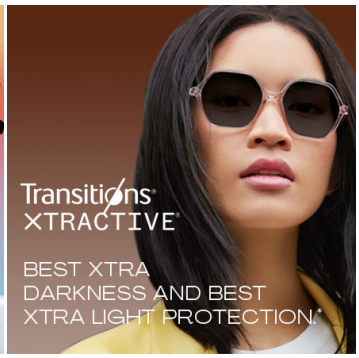
Last Modified - 7/15/2024

Transitions® Lenses Product Availability Guide

< Home / Resources / **Transitions® Lenses PAG**



Gray, Brown, Graphite Green

NEW Ruby, Sapphire, Amethyst, Amber, Emerald

Gray, Brown, Graphite Green

Mirrors: Gold, Silver Shadow, Pink, Red, Green, Blue[***]

Gray

Olive Green to Copper to Dark Red-Brown

Fully clear indoors

Clear with a hint of protective tint indoors

Clear with a hint of protective tint indoors

Tinted not recommended for indoor

Darkens outdoors in seconds[1]

Dark in hot temperatures [3]

Activates in the car[6]

Activates in the car

Blocks 100% UVA & UVB rays.

Filters up to 32% of blue-violet light indoors and up to 85% outdoors 2[2]

Blocks 100% UVA & UVB

Help protect from UV and filter blue-violet light [4]

Blocks 100% UVA & UVB

Help protect from UV and filter blue-violet light [7]

Blocks 100% UVA & UVB

Returns clear faster than ever

Darkens in the car [5]

Less glare up to 90% Polarization efficiency[8]

Always polarized

Check with your lens supplier for remaining availability for *Transitions*® *GEN 8*™ lenses.

* The darkest in hot temperatures & in the car, blocking 100% UVA & UVB and offering the best overall blue-violet filtration across light situations* among clear to extra dark photochromic lenses. *Filtering blue-violet (between 400 and 455nm ISO TR 20772:2018) among polycarbonate and CR39 gray lenses with a premium anti-reflective coating: filtering (i) up to 45% indoors at 23°C, (ii) up to 64% behind the windshield, (iii) up to 86% outdoors at 23°C and (iv) up to 83% outdoors at 35°C.

** EcoOptics Limited - Prof. Nicholas Roberts, Quantitative study evaluating the visual benefits of the polarization properties of lenses compared to similar non-polarized lenses, 2019/2020.

*** Style Mirrors are available where gray and brown *Transitions*® *XTRActive*® are available. Specify *Transitions* lenses in style mirrors **(no substitutions)** with your lab to ensure authenticity.

[1] For polycarbonate & CR39 lenses across colors achieving 18% transmission at 23°C.

[2] For polycarbonate and CR39 lenses across colors. Blue-violet light ismeasured between 400nm and 455nm (ISO TR 20772:2018)

[3] Clear to extra dark photochromic category. Polycarbonate and 1.5 gray lenses tested at 35°C achieving <18%T using Transitions Optical's standard testing method

[4] Transitions® XTRActive® filters up to 45% of blue-violet light indoors and up to 86% of blue-violet light outdoors. Tests performed on gray lenses with a premium anti -reflective coating. Blue-violet light is between 400 and 455nm (ISO TR 20772:2018).

[5] Clear to extra dark photochromic category. Polycarbonate and 1.5 gray lenses tested at 23°C behind the windshield achieving between 18%T and 43%T.

[6] 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."

[7] Transitions® XTRActive® Polarized filters up to 45% of blue-violet light indoors and up to 90% of blue-violet light outdoors. Tests performed on gray lenses with a premium antireflective coating.

[8] Based on tests across materials on gray lenses @ 23°C, using ISO 12312-1 standard.

Style Mirrors are available where gray and brown *Transitions® XTRActive®* are available. Specify *Transitions* lenses in style mirrors **(no substitutions)** with your lab to ensure authenticity.