

### Transitions® Lenses and Blue Light

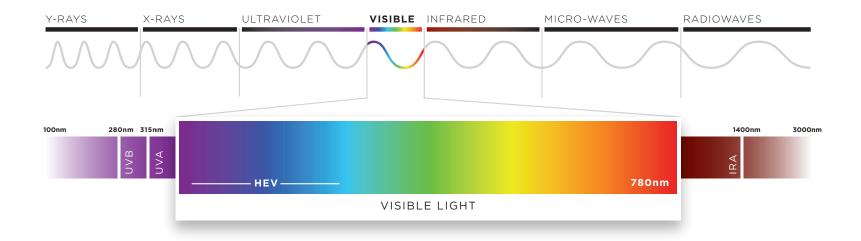
### What is harmful blue light and why does it matter?

Blue light (also known as High Energy Visible Light) is at the far end of the visible spectrum, close to ultraviolet light, with a wavelength of between 380-460 nanometers (nm). Harmful blue light is centered around 435. Long term exposure to harmful blue light has been linked to increased risk of developing age-related macular degeneration (AMD).<sup>1</sup>

#### Where is harmful blue light found?

Often associated exclusively with electronic devices and screens, harmful blue light is actually present both indoors and outdoors, and the sun is the largest singular source of harmful blue light.





#### How do *Transitions* lenses help?









Automatically adapting to changing light conditions.



Make everyday life simpler.



Whatever the frames you love, pick your favorite color, choose your style.

<sup>3</sup>Transitions lenses block 20% to 36% of harmful blue light indoors excluding CR607 Transitions Signature VII products which block 14% to 19%. The 2 times comparison refers to typical clear 1.50 and polycarbonate hard-coated lenses.

<sup>4</sup>Transitions XTRActive lenses and Transitions Vantage lenses block 34% to 36% of harmful blue light indoors excluding CR607 Transitions XTRActive products which block 27% to 31%. The 3 times comparison refers to typical clear 1.50 and polycarbonate hard-coated lenses.

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# Transitions Signature

Transitions® Signature® lenses are the most responsive adaptive lenses and are more reactive to bright sun, partial sun and indirect light.

## Transitions XTRActive®

Transitions® XTRActive® lenses offer extra protection, even in the car. Uniquely designed to protect from the brightest sun and harsh artificial light.



Transitions® Vantage® lenses are the only intelligent lenses with variable polarization. Polarization that adjusts to match the level of outdoor glare.



Block at least 20% of harmful blue light indoors – up to 2X more than a clear lens<sup>3</sup>

Block over 85% outdoors

Block at least 34% of harmful blue light indoors - up to 3X more than a clear lens<sup>4</sup>

Block 88%-95% outdoors



Block at least 34% of harmful blue light indoors - up to 3X more than a clear lens<sup>4</sup>

Block over 85% outdoors