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# Eyesafe® Blue Light Privacy Screen Filters

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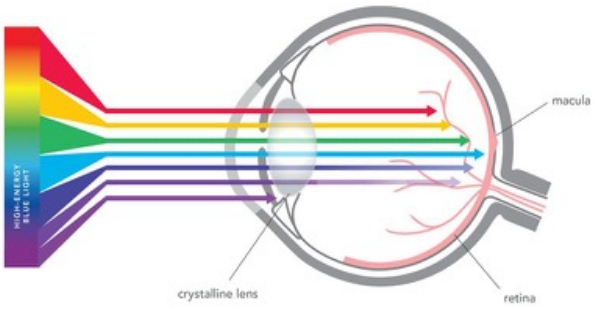
# Rising screen time calls for advanced blue light protection

Kensington has partnered with Eyesafe®, the global leader in blue light mitigating technology, to introduce privacy screens that combine the benefits of Eyesafe® Technology with enhanced privacy screen features.

## What is Blue Light?

Blue light, also known as high-energy visible (HEV) light, is a color in the visible light spectrum that can be seen by human eyes. These wavelengths of visible and non-visible light are measured in nanometers (nm), and, in general, the shorter the wavelength, the higher the energy. Blue light is a short wavelength, which means it produces higher amounts of energy.

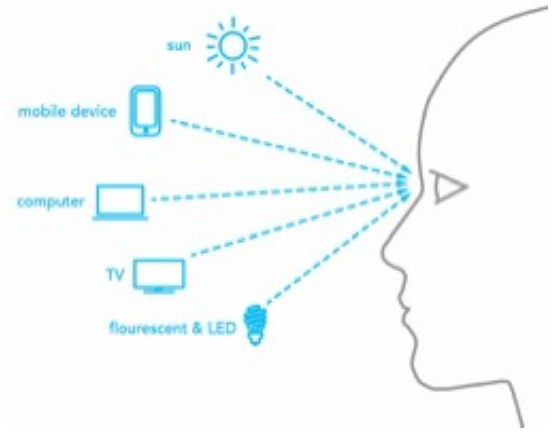
Unlike other forms of light, the eyes cannot effectively filter blue light, so more can pass through the eye to the retina.[1]




## Sources of Blue Light?

We are exposed to blue light on a near constant basis. The largest source of blue light is sunlight, but it is also emitted by laptops and computer monitors, smartphones, tablets, TV, fluorescent and CFL bulbs.

Our blue light exposure from digital devices are of particular concern because of the close proximity of the screens, length of time we use our devices, and the cumulative impact of using devices every day.




[1] Zhao ZC, Zhou Y, Tan G, Li J. Research progress about the effect and prevention of blue light on eyes. Int J Ophthalmol. 2018 Dec 18;11(12):1999-2003. doi: 10.18240/ijo.2018.12.20.

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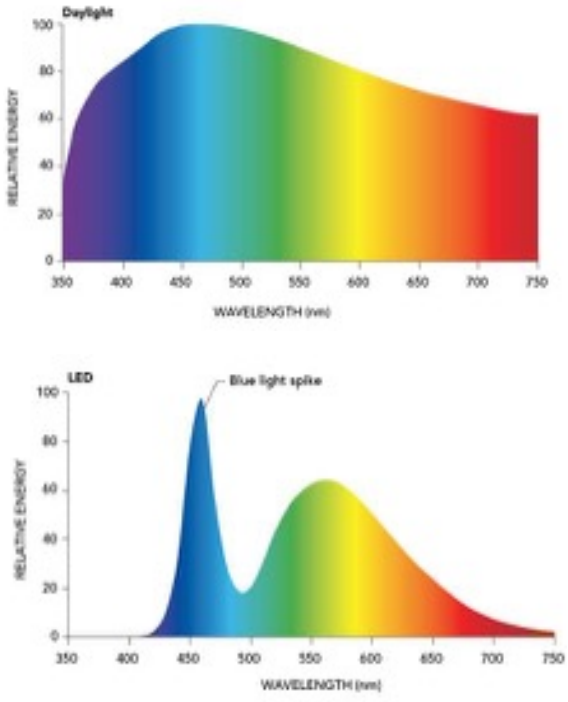
## The Blue Light Spike

There are some key differences between natural sources of blue light, like daylight, and artificial sources, such as the LEDs used in digital devices.

Digital devices have a blue light spike between 415-455 nm. Studies suggest the wavelength between 435-440 nm poses the greatest risk to retinal health.[1]




## Benefits of Blue Light?

Moderate amounts of blue light is essential for good health. Exposure to blue light offers several benefits. It promotes alertness, helping individuals stay focused and attentive throughout the day. Additionally, blue light boosts memory and cognitive function, enhancing information retention and mental clarity. It also elevates mood by stimulating the production of serotonin, a neurotransmitter associated with happiness and well-being. Furthermore, blue light plays a crucial role in regulating the body's circadian rhythm, ensuring a healthy sleep-wake cycle and better sleep quality.

"What is Blue Light?", https://eyesafe.com/bluelight, 2025

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# Concerns about Blue Light

## Eyes and Body

Screen time has been on the rise for the last 20 years and is now exceeding 11 hours per day.[1] According to the Vision Council, many people experience eye discomfort and vision problems when using digital devices for extended periods. Potential symptoms of digital eye strain, which may include:

**Eye strain | Blurred vision | Dry, irritated eyes | Headaches**

## Sleep

The use of digital devices at night may suppress the release of melatonin, the hormone responsible for making us feel drowsy. Too much blue light exposure from viewing screens at night may result in:[2]

**Trouble sleeping | Waking up during the night**
**Reduced alertness the next day**

## Long-Term

There is evidence that the eye is susceptible to blue light exposure, and that over a period of time, cumulative exposure may increase the likelihood of vision problems. More research is needed to ascertain long-term impacts to the retina and any links to chronic vision problems.[3]

[1] Eyesafe® estimate based on Nielsen Total Audience Reports, 2018-2023, US. Some amounts of simultaneous usage may occur across devices.

[2] Chang AM, et al. Evening use of light-emitting eReaders negatively affects sleep, circadian timing, and next-morning alertness. Proceedings of the National Academy of Sciences of the United States (PNAS). January 2015. 112(4): 1232-1237.

[3] Visual implications of digital device usage in school children: a cross-sectional study. P. Ichhpujani, et al., BMC Ophthalmol, 2019. 19(1): p. 76-84, https://doi.org/10.1186/s12886-019-1082-5

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# Privacy Screen Filters with Eyesafe® Blue Light Technology

Kensington has partnered with Eyesafe®, combining the advanced blue light filtration technology of Eyesafe® RPF60 with the trusted features of Kensington's privacy screen filters. This collaboration brings together Eyesafe® patented technology, which filters out 60% of blue light (435-440 nm) to enhance visual comfort and productivity, with Kensington's privacy screen filters that ensure data security and reduce glare, all without compromising on color and clarity. Together, this offers a comprehensive solution for user comfort and privacy.

## Blue Light Reduction

Patented Eyesafe® RPF60 technology selectively filters 60% of blue light at 435-440 nm, the wavelength of most concern to our eyes.[1]

## Developed With Eye Doctors

Eyesafe® Technology is developed in collaboration with leading optometrists and ophthalmologists worldwide. Trust in a solution backed by experts, designed to support visual comfort throughout the workday.

## No Color Compromise

Unlike other screen protectors and software solutions that distort colors, Eyesafe® Privacy Screen Filters preserve clarity and color accuracy. Enjoy vibrant visuals and visual comfort and experience the best of both worlds.

[1] Spectral Weighting Factors for Blue-Light Hazard as published by the International Commission on Non-Ionizing Radiation Protection (ICNIRP) in 2013 and the American National Standard Institute (ANSI) in 2015.

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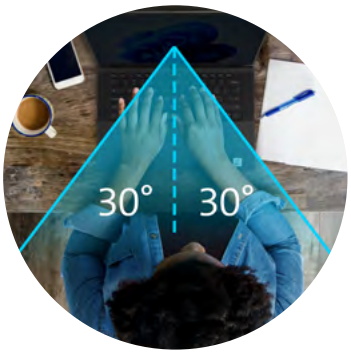
As a market leader in physical device security, Kensington's professional privacy screen filters with Eyesafe® blue light protection offer the perfect synergy of security and performance. Designed to prevent unauthorized viewing, these privacy screens ensure data security while enhancing user comfort throughout the day.

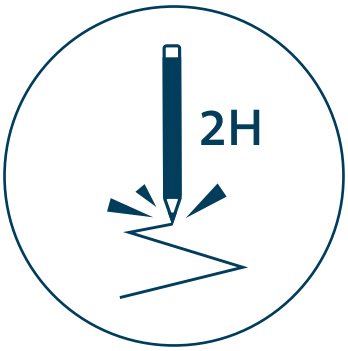



Limited Viewing Angle

Anti-Reflective Coating


Reversible Viewing

Installation Options




Scratch Resistant


Military-Grade Protection

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# Privacy Screen with Eyesafe® Blue Light Screen Protection


## For Laptops

| SKU | Screen Size | Aspect Ratio |
|---|---|---|
| ES140A169A | 14” | 16:9 |
| ES140A1610A | 14” | 16:10 |
| ES156A169A | 15.6” | 16:9 |
| ES156A1610A | 15.6” | 16:10 |
| ES160A169A | 16” | 16:9 |
| ES160A1610A | 16” | 16:10 |

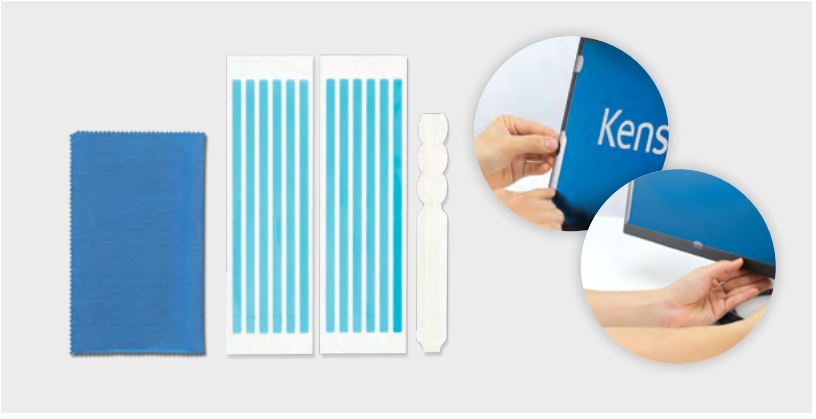
## For Monitors

| SKU | Screen Size | Aspect Ratio |
|---|---|---|
| ES215A169A | 21.5” | 16:9 |
| ES238A169A | 23.8” | 16:9 |
| ES240A169A | 24” | 16:9 |
| ES270A169A | 27” | 16:9 |
| ES340E219A | 34” | 21:9 |

The Replacement Accessory Kit for Direct-Attach Privacy Screen Filters provides high-quality replacement components to restore fit and extend the life of your privacy screen.

Replacement Accessory Kit for
Direct Attach Privacy Screen Filters

**K58414WW**




# Work in confidence. With extra security.

**www.kensington.com**



**FOR MORE INFORMATION CONTACT:** 1-855-692-0054 | sales@kensington.com