

PRISMA

bluelightprotect

BLUE LIGHT PROTECTION FOR PC AND TV

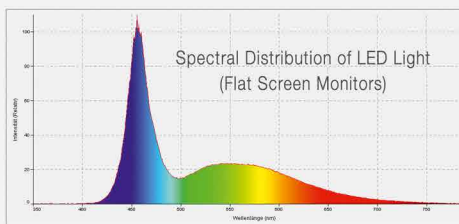
Innovative eyewear



Why bluelightprotection?

What is Blue Light?

In natural daylight, all the colors of the spectrum are evenly distributed. „Modern“ light sources, such as LED or fluorescent lights, emit a high proportion of short-wave light in the blue spectrum.



What are the Effects of Blue Light?

Short-wave light in this part of the spectrum is phototoxic and can damage the eye through the formation of free radicals. Furthermore, blue light plays an active role in the hormonal system and can disrupt the circadian rhythm.

Possible Health Risks:

- Macula degeneration
- Blindness
- Sleep disturbances
- Heightened risk for hormone-related cancers (breast and prostate cancer)
- Development of different lifestyle diseases (cardiovascular disease, diabetes...)

Where are we at Risk?

Both LED lights and fluorescent lights contain a high proportion of blue light in their spectrum, and should be avoided where possible.

As flat screen monitors are also lit by LEDs, and we often look into them for hours at a time, an efficient protection is especially important when working on a computer or watching TV.

Protect your Eyes!

bluelightprotect AMBER PRO and AMBER LiTE

two filters for optimum blue light protection at every occasion



The bluelightprotect Filter AMBER PRO protects perfectly from short-wave radiation up to 500 nm (= „blue light“, 99% filtered out) and protects well into the blue-green range (80% filtered out between 500 and 550 nm)

Recommended for sensitive eyes, for long working hours, and for the afternoon and evening.



The bluelightprotect Filter AMBER LiTE offers a great protection in the range up to 500nm (95% filtered out) while still allowing for good color recognition. This is mainly possible through a higher transmission rate in the range up to 550nm.

Recommended for daytime use, low blue light burden, and when good color recognition is required.



Classic Style

sporty look, great scattered light protection, available in AMBER PRO / AMBER LiTE



Style P1

light, elegant, comfortable; glasses you hardly notice AMBER PRO / AMBER LiTE



CLIP-ON

can easily be fixed onto most prescription glasses AMBER PRO / AMBER LiTE



KiDS #1

Screen glasses for children up to 8 years. only with AMBER LiTE tint

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