



BlueLightProtect

Specialty Blue light protection glasses available in two different colors:

“**pro**” for optimal blue-light protection and standard color recognition and “**lite**” for standard blue-light protection and superior color recognition. The lenses are treated with an anti-reflective coating, for the minimizing disturbing reflections

Applications:

Protection against blue-light radiation is supported by the use of the “pro” glasses. The special colored lenses optimally filter out the excessive part of blue light from the background lighting in computer and TV-flat screen monitors and other blue light sources as for example fluorescent, energy saving lamps and LED.

The lighter filter “lite” can be worn for less brightness and blue light charges. While watching TV or working with computers the “lite” filter may be for some people a better alternative than the “pro” in cases where superior color recognition is necessary. The “lite” filter can be helpful to reduce the time of customization.

Both filters can be used according to the light conditions, alternating if necessary. The user can self-determine, which filter to choose according to her/his individual requirements.

“Pro” and “lite” glasses can be used as sunglasses. The “lite” lens color is, because of its contrast enhancing ability, also excellent for driving (only to the EU, not to North American and Australian standards). The color used in the “pro” glasses is not legal for use in road traffic.

Which Color?

	PRO	LITE
Blue light protection	++	+
Protection against Melatonin reduction	++	+
Light transmission, circa	55%	72%
Filter effect (400 - 450 Nm) ca.	99%	99%
Filter effect (450 - 500 Nm) ca	99%	88%
UV-400 Filter	100%	100%
Contrast	+	+
Color recognition	o	+
Suitable for television	o	+
Suitable for traffic	-	++
Lenses with anti-reflective coating	yes	yes

++	very good, optimal	o	average, satisfactory
+	good	-	low, not suitable

Dangers, which nobody knows:

Meanwhile there is relevant information that TFT-flat-screen-monitors, because of the used mercury or LED lights with high and unnatural short-wave proportions of blue in the background lightning, can damage the eyes irreversibly and can also generate unhealthy stress in the body.

This has not been proven in long time studies, but it is assumed on the basis of scientific investigation, which should be taken seriously, that the light spectrum with a high share of aggressive blue light is harmful to the back of the eye, the macula. Subsequently: The macula degeneration (AMD), which is determined by age, can be promoted. Intensive blue light influences also the hormone balance negatively. Which means lasting stress to our body, which can promote the development of civilization sicknesses.

Protect your eyesight!

In order to protect eyes from mechanical and chemical danger it is necessary and normal to wear protection glasses. But the danger caused by unprotected work at computer and TV screens and under fluorescent lamps is often played down or denied by orthodox medicine although the above-mentioned damaging mechanisms have already been proven in cell experiments. Who wants to wait until – maybe only in many years from now - orthodox medicine research delivers the final proof? If you already want to protect yourself today, then wear **PRiSMA® bluelightprotect Protection Glasses** as a precaution.

Specifications:

Only the highest quality materials and standards are used for all PRiSMA Glasses and CliP-ON. All PRiSMA glasses are CE-certified and fulfil the requirements of all international standards.

All frames and lenses are highly break-resistant, durable and treated with an anti-reflective coating. Disturbing light reflections are reduced, thus the contrast increased. Enhanced with UV-400 protection these glasses are ideal as sunglasses with medium or low brightness protection level.

The PRiSMA CliP-ON are suitable for most conventional optical glasses and are easy to fit. They have a practical flap mechanism, which allows for a quick flip-up if needed.

Cleaning and Care

A micro-fiber cloth is included for cleaning the lenses. As well, warm water with mild dishwashing liquid can be used. Dry with a soft cloth (such as the micro-fiber cloth) to prevent scratching. To prevent premature wear of the lens coating do not use paper towels or other products made from wood fibers on the lenses.

Guarantee:

PRiSMA glasses have a two year guarantee on material and fabrication. Regular use of the glasses fine scratches can appear on the lenses. This is normal wear and tear and does not justify any guarantee claims.

Tips:

For driving and safety industrial standards, do not use the color “office”.