

AIRWEAR® MELANIN

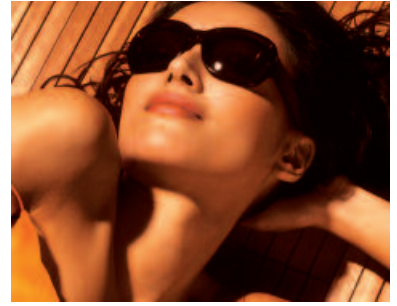
DOUBLE PROTECTION AGAINST UV RAYS AND BLUE LIGHT



BLUE LIGHT: MIND YOUR EYES!

Essilor invents Airwear® MELANINE lens, for a double sun protection.





WHAT IS BLUE LIGHT?

You are aware of the damaging effects of exposure to UV light, but did you know that High Energy Visible or Blue Light is also harmful?

Blue light occurs within the visible spectrum between 380nm and 500nm and contains the highest energy content of any light. (Blue light is strongest around midday on sunny days but is also emitted by many artificial light sources.)

While very little UV radiation reaches the human retina, most blue light does, it would not be visible if it didn't. The level of transmission is strongly age dependent with children receiving most blue light on the retina.

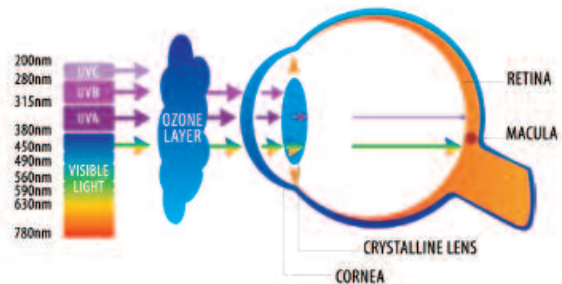
There is increasing evidence of the cumulative effect of blue light damaging the retina and that it is a likely contributor to age related macular degeneration (AMD). Blue light also damages the retinas photoreceptors and the effects of Retinal Pigment Epithelium (RPE).

We are provided with evidence of the harmful effects of blue light by the very protection that nature includes in our visual system.

Damaged cells are naturally renewed, photoreceptors are protected by yellow pigments like lutein and the presence of melanin in the pigmented epithelium underlying the retina; all contribute to protecting our eyes from blue light.

Eyes are precious...

With life expectancy always on the way up, the eyes perceive an increasing amount of sun and light over the years. Then the risks of developing serious visual problems increase the same way.



Airwear® Melanin is a new sun lens that includes synthesise melanin and filters out 100% of UV and 98% of blue light – without a loss of colour perception. This lens protects your eyes and the fragile skin around them.

Airwear® Melanin is supplied in a Brown Category 3 Sun Lens with an ABS of 85%