

# SOMO Blue Block

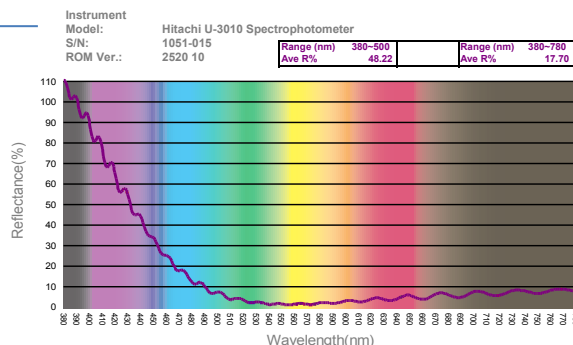
It is a highly effective, functional lens that block<sup>S</sup> blue wavelengths(380~500nm), a harmful ray, to protect vision, prevent glare, and alleviate fatigue.

## 1. The Effects of Anti-glare

### Reduced glare with average 48% blocked blue light





Produced with SOMO's specialized coating technology, Blue Block lens decreases the amount of blue light, which easily causes eye fatigue, by 48% between 380~500nm.

Thus, by blocking the wavelengths of 500nm or shorter that causes glare, a brighter and more natural visibility is obtained resulting in a decrease of eye fatigue.



## 2. Super Tough and Ultra Clean

### Clearer and Easier Lens Management with Blue-Coating

 <b>High-Contrast</b>	<ul style="list-style-type: none"><li>Blocked blue light provides optimum eye comfort</li><li>Clearer vision with increased contrast sensitivity</li></ul>	 <b>Easy-Clean</b>	<ul style="list-style-type: none"><li>Easy to clean surface removes contaminants effortlessly</li><li>Continues to maintain clean lenses</li></ul>
 <b>Super-AR</b>	<ul style="list-style-type: none"><li>Enhanced vision with 40% increase in light transmittance</li><li>20% increase in durability</li></ul>	 <b>Plasma-Ion</b>	<ul style="list-style-type: none"><li>Anti-static property inhibits dust accumulation</li><li><b>24/7</b> clear vision</li></ul>
 <b>Nano-Organic</b>	<ul style="list-style-type: none"><li>Powerfully scratch resistant</li><li>Superb heat resistance</li></ul>	 <b>Toughest-Impact</b>	<ul style="list-style-type: none"><li>Best in class safety with 170% increase in impact resistance</li><li>Recommended for wearers exposed to hazardous environments</li></ul>

## 3. Protects Eye from Harmful Environments

### Blue light emitted from electronic displays and LED lights are blocked to protect the eye

Increased eye strain and fatigue with prolonged use of computers, televisions, smartphones and handheld games.

The best functional lens that blocks blue light during this time for vision protection and eye fatigue alleviation.



## 4. Provides Natural and Clear Vision

### Delivers sharp vision by preventing contrast reduction

On a foggy or cloudy day, the increased amount of blue light due to the rays emitted by the sun and the photochemical change in the atmosphere will proliferate eye fatigue and reduce contrast differentiation.

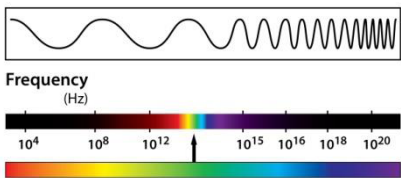
The effects of the blue block lens are maximally noticeable in areas of reduced light, or on an overcast day, rainy day, night driving, and especially on a foggy day.

# Blue light can easily increase eye strain and fatigue

The high energy and severe scattering of the blue light is a cause of glare and flash. Blue light is emitted from electronics such as computer monitors, televisions, and smartphones, as well as LED light sources. Continued exposure to blue light, even in day to day living, will easily cause eye strain and fatigue.

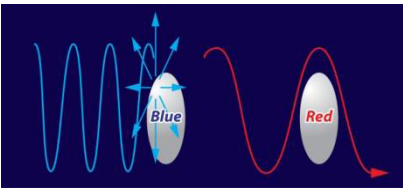


Strong



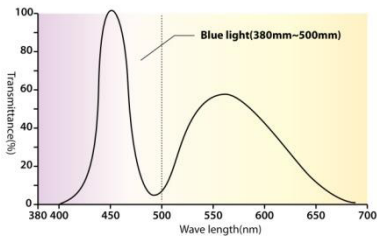
Strong blue light, near the ultraviolet rays, puts strain on the eyes.

High frequency



Blue light causes eye fatigue due to its shorter wavelength, which has 4.4 times higher frequency than red light.

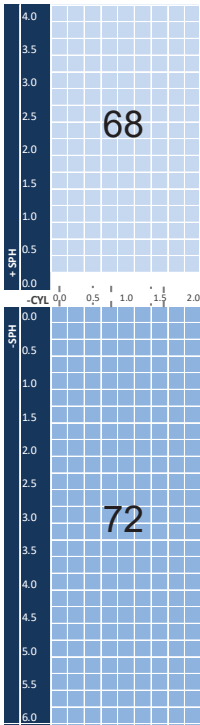
High energy



In liquid electronic displays, blue light has the highest energy causing harm to the eye.

# AVAILABILITY

Polycarbonate



1.60 Aspheric

