

The SUN is <u>the</u> source of HBL

■It's a simple matter of mathematics...

A smart phone emits 0.0013 watt/m² at 435nm

The sun emits 0.175 watt/m² at 435nm (facing away from the sun on a normal day)



The woman in the top image would need to view her smartphone for **over 2 hours** to receive the same HBL exposure the woman in the bottom image receives in **ONE MINUTE**.

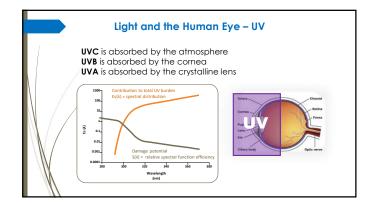
Exposure to the sun is a <u>proven</u> risk factor for AMD (Beaver Dam Study). It is unknown whether exposure to LED and CFL lighting is sufficient to be a risk factor.

The SUN is the source of HBL

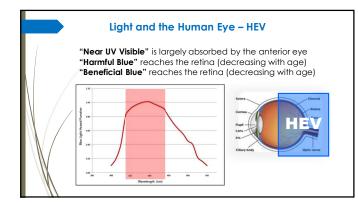
 <u>Dark</u> lenses are necessary to provide outside protection against HBL.

✓ sunglasses & photochromic lenses filter 85-97% of HBL

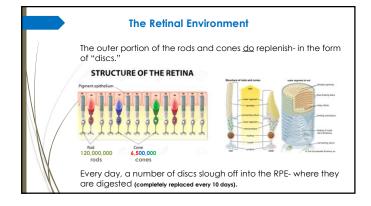




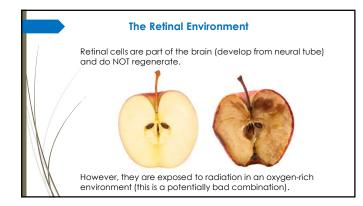




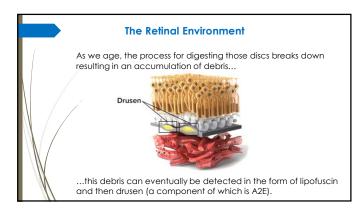


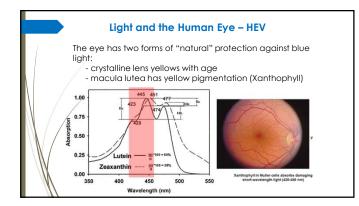




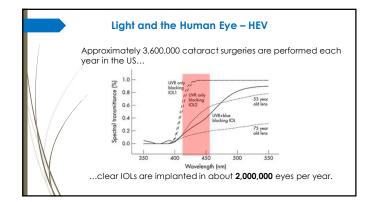




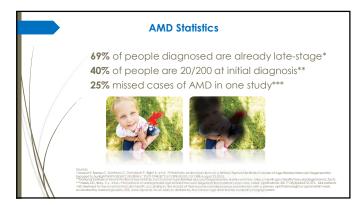


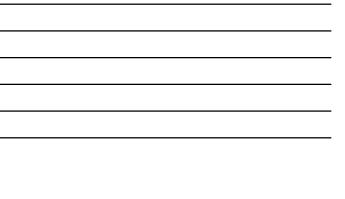


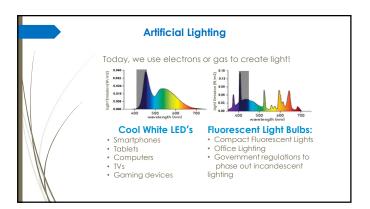




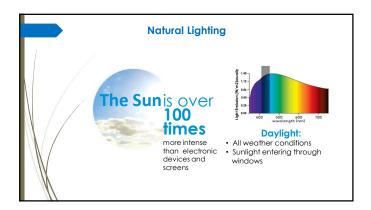


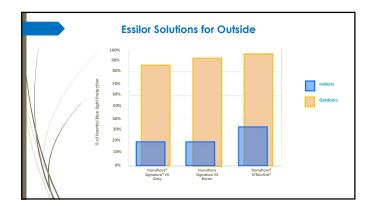


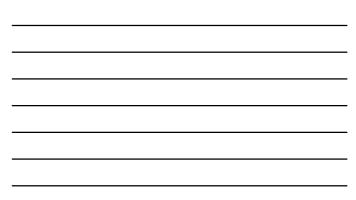












	Thank You Questions???
Hiroy fundu	mended Reading: uki Nagai, MD, et al., Prevention of increased abnormal is auto-fluorescence with blue light-filtering intraocular s, J Cataract Refract Surg 2015; 41:1855-59
	-Pete Hanlin, ABOM Vice President Professional Services Essilor of America