

**Premium Light  
Spectrum Protection**



# **KODAK** **Total Blue Lens**



**KODAK Lens**



## Total Blue Lens Filtering Harmful Blue Light

Technology has made a large impact, not only on how we communicate and keep in touch with the world, but also with the amount of devices and time we spend using them. The prevalence of digital devices and the blue light they emit, has introduced the need for another level of vision protection.



KODAK Total Blue® Lens delivers:

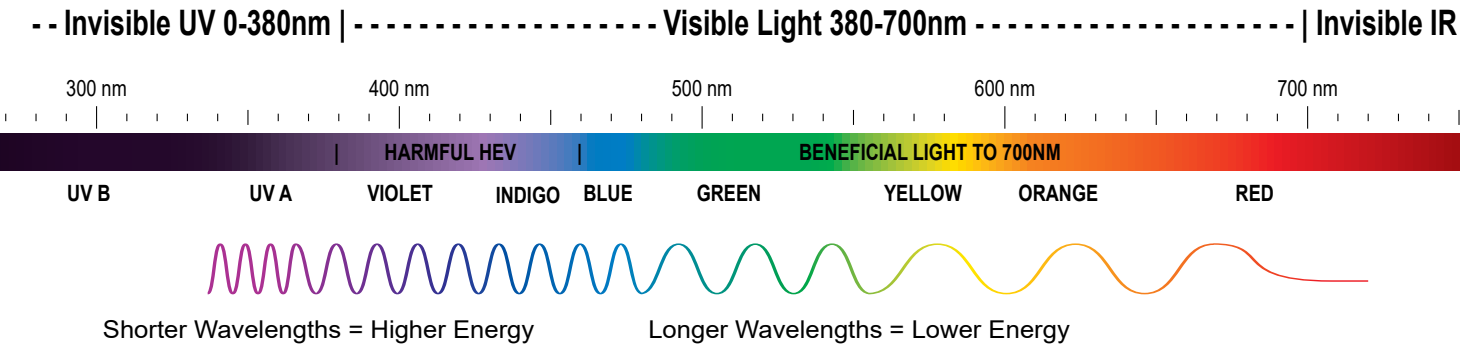
- **Blue Light Filtering:** Filters up to 80% of High Energy Visible (HEV) Blue Light\*
- **100% UV Protection:** From direct UV rays
- **Glare Reduction:** Protection from glare and reflections caused by digital devices (televisions, computer monitors, handheld devices), LED lighting and energy-efficient compact fluorescent lights (CFLs)
- **Object Recognition:** Helps with object recognition in low-light and night-driving conditions
- **Increased Visual Comfort:** Exceptional reduction in bright glare and reflections ease viewing both indoors and outdoors
- **Versatile Options:** Clear and polarized materials in progressive, single vision and computer lens designs
- **Brand Strength:** Kodak is one of the most trusted and recognized consumer brand names

\*HEV Blue Light designation as 380-440nm based on visible light spectrum of 380-780nm. *Review of Optometry*, February 2014

## See the Colors of Life

# The Color Spectrum

Vision is made up of colors. To be more specific, vision is made up of a color spectrum. Each color is created by different energy wavelengths measured in nanometers (nm). The high energy end of the visible light spectrum is known as UV and HEV Blue Light. It is the violet/blue band of the color spectrum and may have an impact on overall eye health.

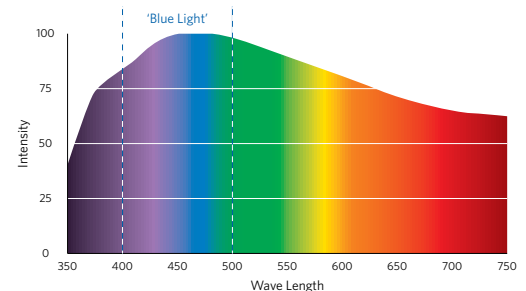


## Blue Light Wavelengths

Light wavelengths are all around us and contain the full spectrum; visible and invisible.

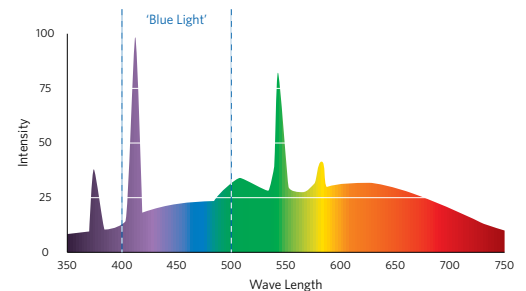
**Sunlight** contains the highest proportion of UV and HEV wavelengths. Just as we protect our skin when outdoors, we must also protect our eyes.

- Wearing hats and UV/HEV blocking eyewear
- Limiting time spent in direct sunlight



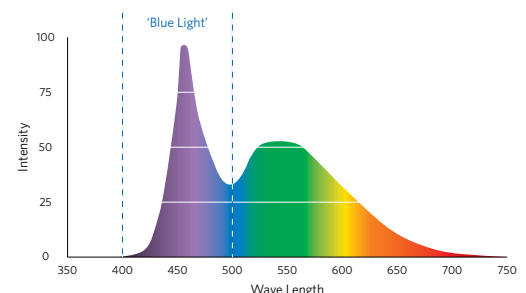
**Indoor Fluorescent Lighting** give stronger light using shorter wavelengths and while energy efficient, they also produce higher levels of HEV light. They work well to maintain alertness during daytime work hours but disrupt the natural sleep cycle in evening/night times with possible long-lasting effects.

- Replace lights, use filters or covers and wear HEV blocking eyewear



**LED/LCD Screens** are used extensively in equipment and handheld devices. While the back lighting allows clear visibility of the screen, they emit high levels of HEV harmful wavelengths.

- Use night option software or screen filters and wear blue-light filtering eyewear
- Limit device reading before bedtime



# Unique Hybrid Technology



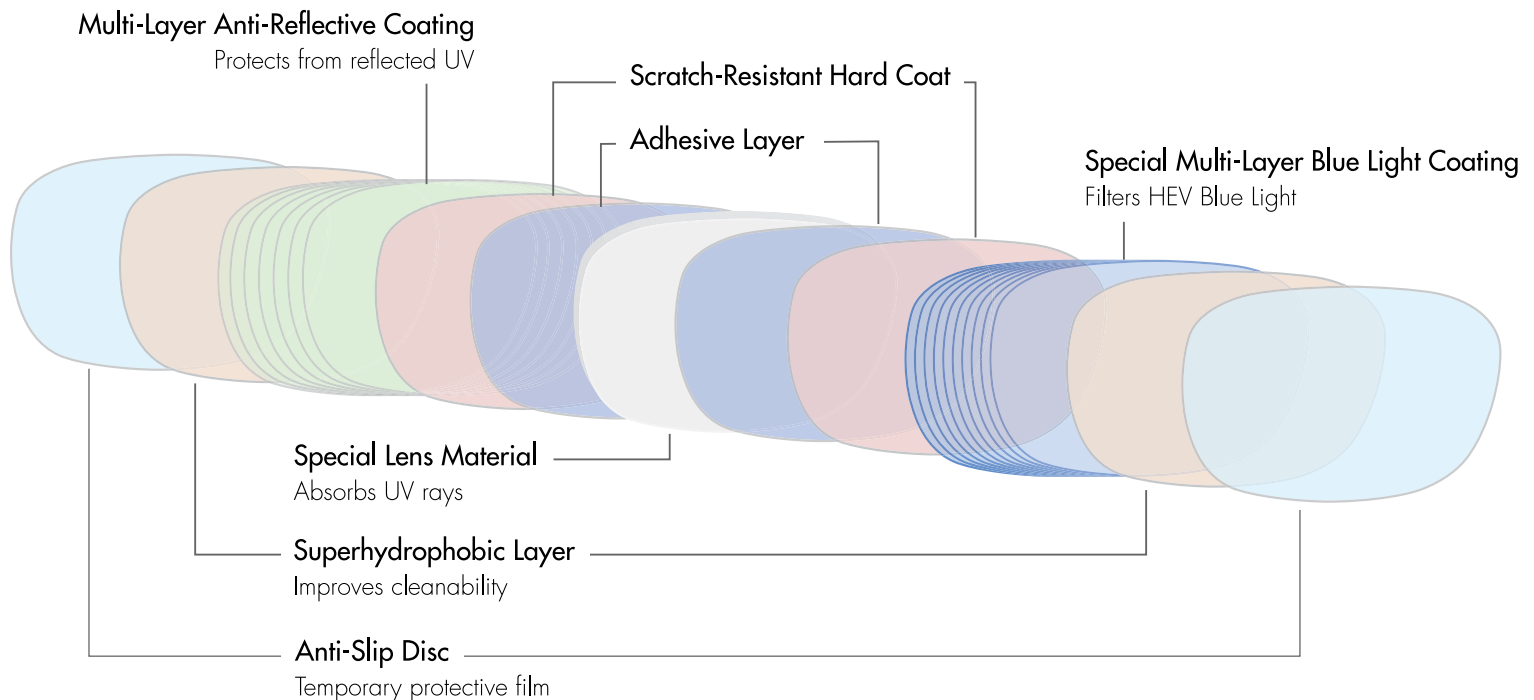
**Color Guard**  
LENS TECHNOLOGY

Color Guard Lens Technology® is the proprietary process used in the creation of Total Blue Lenses. The combination of lens material and coating helps protect against UV rays and filters HEV Blue Light.

## A Hybrid Solution for Harmful Light Management

KODAK Total Blue Lenses are a premium blue light solution to UV and HEV Blue Light harmful wavelengths. The selected lens materials combine with the unique 14-layer Total Blue AR stack to offer the best protection in the market.

It starts with special lens materials\*\* that absorb 100% of UV rays and HEV blue light filtering agents. A hard coat is applied for scratch resistance. A special multi-layer AR coating is applied to the front of the lens to help filter up to 80% of HEV Blue Light indoors and outdoors. Additional layers on the backside of the lens provide protection from potential reflected UV rays. An ultra-slick superhydrophobic top layer, *Silk*™, is added on both sides for durable, easy-to-clean lenses\*\*\*.



Powered  
by **Silk**™

\*\*The special lens materials are only used in the clear versions of Total Blue Lenses.

\*\*\* *Silk* is a super-slick top coat with superior oil, water, dirt, dust and smudge-repellent properties.



# KODAK Total Blue Lens



Total Blue Lens filters HEV Blue Light prevalent in many digital devices including computer screens.

- Minimal residual color with a slight blue reflection
- **Lens Design Options:** Progressive, Single Vision and Computer/Task-Oriented

Total Blue Lens is also available in polarized options for outdoor eyewear.

- Polarized gray with blue mirror-like finish
- **Lens Design Options:** Progressive and Single Vision

## Total Blue Lens Availability

Total Blue Lens Availability		LENS MATERIAL							
		Clear				Polarized Gray			
		Poly	1.56	1.67	1.74	1.50	Poly	1.67	1.74
PROGRESSIVE LENSES	LENS DESIGN								
	KODAK Unique DRO® & Unique DRO HD Lenses	✓	✓	✓	✓	✓	✓	✓	✓
	KODAK Unique™ & Unique HD Lenses	✓	✓	✓	✓	✓	✓	✓	✓
	KODAK Precise® Plus & Precise Short Plus Lenses	✓	✓	✓					
	KODAK Precise PB & Precise Short PB Lenses	✓	✓	✓	✓	✓	✓	✓	✓
	KODAK Easy Lens (14/18)	✓	✓						
	Navigator® FBS & Navigator Short® FBS Lenses	✓	✓	✓	✓	✓	✓	✓	✓
	DirecTek™ & DirecTek Short Lenses	✓	✓	✓	✓	✓	✓	✓	✓
COMPUTER/TASK-ORIENTED LENS	KODAK SoftWear® Lens	✓	✓	✓					
SINGLE VISION LENSES	KODAK PowerUp® Lens (anti-fatigue)	✓		✓					
	KODAK Digital Single Vision Lens	✓	✓	✓	✓	✓	✓	✓	✓
	Single Vision Lens	✓	✓	✓	✓	✓	✓	✓	✓
STOCK LENSES	KODAK Finished Single Vision Lens	✓	1.60						
	KODAK Aspheric Finished Single Vision Lens			✓					

# For the Patient

- Significantly reduces Harmful Blue Light exposure
- Reduces glare reflecting off digital devices and shiny surfaces
- Provides 100% UV Protection
- Accommodates various viewing needs
- Comfortable viewing of devices, monitors and LED screens.
- Easy-to-clean for continuous clear viewing
- Confidence and peace of mind that comes with the trusted Kodak brand name

# For the Practice

- Filters up to 80% of HEV Blue Light
- 100% Direct UV Protection
- Options for both indoor and outdoor activities
- Progressive, single vision and computer lens designs to accommodate a majority of patients
- Includes super-slick Silk top coat for increased durability and patient satisfaction
- Exclusive KODAK Lens programs and marketing support

## Your Success is **Our Goal** and We Support Your Efforts in **Vision Health**.

KODAK Total Blue Lens is the premium blue light management option in the KODAK Lens Professional Series. Our complete Professional Series portfolio offers a vision solution for all your progressive and single vision patients regardless of their lifestyle or prescription.

Learn more at:

**[www.KodakLens.com/pro](http://www.KodakLens.com/pro)** or **[www.SignetArmorlite.com](http://www.SignetArmorlite.com)**

Download product information and order patient materials at:

**[www.SALitOnline.com](http://www.SALitOnline.com)** or call **800-830-3995**

Watch the videos for more information on:

KODAK Total Blue - **[www.youtube.com/watch?v=Gc3ZyhDqbzs](https://www.youtube.com/watch?v=Gc3ZyhDqbzs)**

Silk: **[www.youtube.com/watch?v=KPVzNYUqXzM](https://www.youtube.com/watch?v=KPVzNYUqXzM)**

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