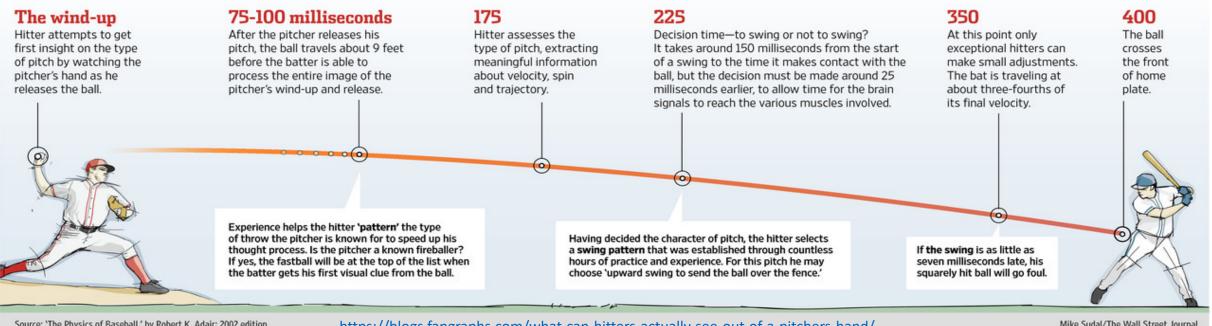
#### VIZION EDGE BASEBALL

#### Inside the Mind of a Hitter

A look at how guickly a hitter must assess and react to a 90-mph fastball.



'In the blink of an eye' A voluntary blink-such as one caused by the flash of a light-takes about 150 milliseconds. A 90-mile-per-hour fastball will cross the plate in under three blinks



Source: 'The Physics of Baseball,' by Robert K. Adair; 2002 edition

https://blogs.fangraphs.com/what-can-hitters-actually-see-out-of-a-pitchers-hand/

Mike Sudal/The Wall Street Journal

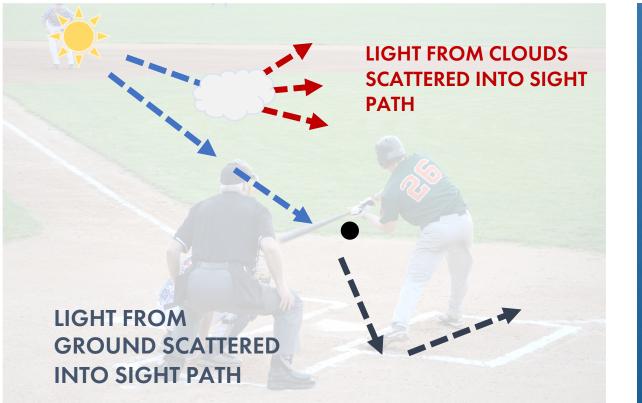


#### **GAME FACTS**

- Distance to Plate 60'6"
- A fastball reaches home plate in .4"
- Hitter cannot see the ball last 1/3 of its trajectory (.13")
- Hitter needs .25" to see the ball & react

### THE PROBLEM

#### **BLUE LIGHT DISTORTION**





#### THERE IS NO NEED FOR POOR PERFORMANCE ANYMORE

Blurriness, late detection of the baseball, blurriness, and late execution

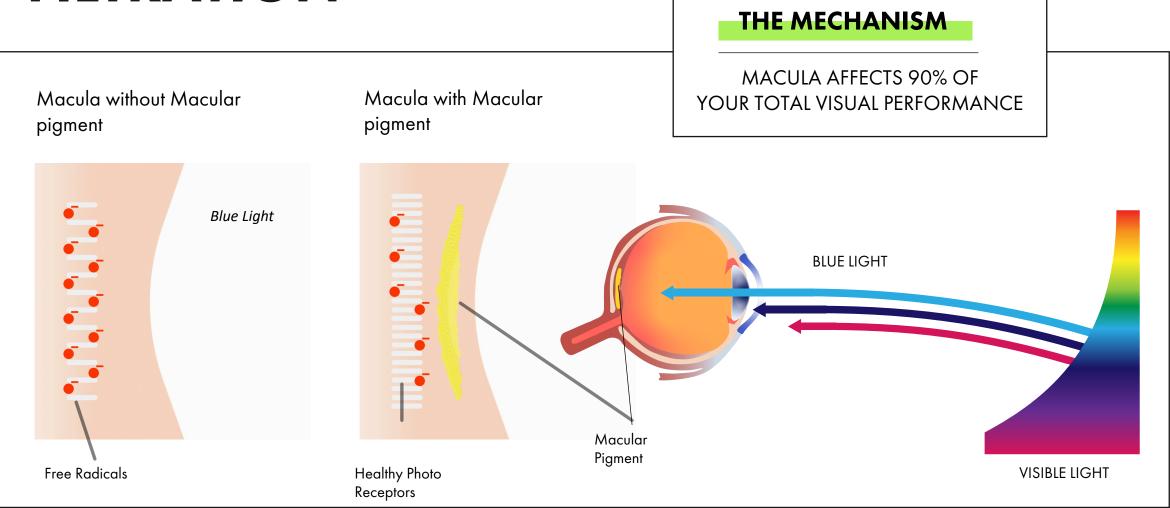
# FILTRATING LENSES ARE ONLY A PATCH



#### NORMAL EYE LINE **LENSES FOCUS** A. Nearsightedness Long eyeball; light rays focus in the front of retina when viewing objects far away **Oxidative Blue Light** on the fovea, and CONCAVE LENSE magnify energy. **B.** Farsightedness Short eyeball; light rays focus behind the retina when viewing objects nearby. CONVEX LENSE $I=(r_1/0.1 mm)^2 1 kW/M^2$ C. Astigmatism 250,000 x increase in Uneven cornea; light rays do energy of the blue light not focus properly

UNEVEN LENSE

# BLUE LIGHT FILTRATION



## THE ULTIMATE PERFORMANCE

Increased Macular Pigment levels in the eyes and brain can lead to improvement with visual and cognitive functions. Which affects real world performance



## THE VIZION EDGE ADVANTAGE

- Improve Object Detection & Identification
- Optimize Vision in Low Light, Fog or Glare Conditions
- Reduce Photostress Recovery Time
- Protect Retinal Tissues from HEV
- Enhance Neuronal Communication





