

THE SCIENCE BEHIND LEDPRO™

TWO PRECISE ABSORBERS. ONE BETTER VISUAL EXPERIENCE.

YELLOW ABSORBER

Targets and blocks the 450 nm blue LED peak

450 nm

ABSORBER REGION

BLUE ABSORBER

Targets and blocks the 590 nm amber LED peak

590 nm

ABSORBER REGION

LEDPRO™

The overlap combines both absorbers to create LEDPRO™

HOW LEDPRO™ WORKS

YELLOW ABSORBER

Blocks 450 nm blue LED peak

BLUE ABSORBER

Blocks 590 nm amber LED peak

LEDPRO™ ABSORBER

Blocks both 450 nm and 590 nm

LEDs emit light with strong peaks at 450 nm (blue) and 590 nm (amber) among other wavelengths.

More comfortable light with reduced LED glare—while preserving natural color perception.

WHITE LED LIGHT SOURCE



TARGETED. PRECISE. BALANCED.

LEDPRO™ selectively blocks the two most problematic LED wavelengths—450 nm and 590 nm—while preserving the rest of the visible spectrum for a more natural experience.



Targets the specific LED peaks that cause glare and discomfort



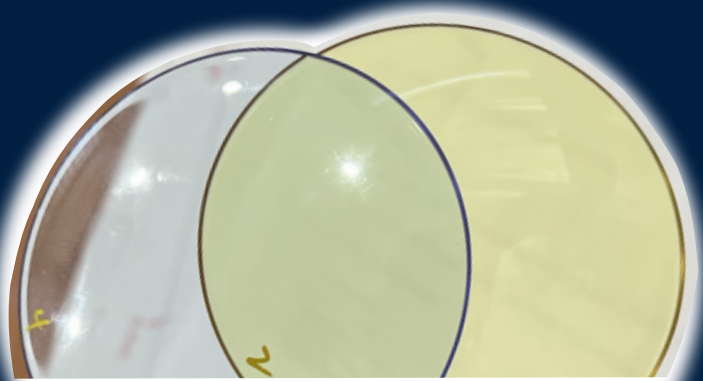
Maintains better color perception and visual comfort



More effective than single blue-blocking solutions

YOUNGER OPTICS | THE OPTICAL LENS INNOVATORS

LEDPRO™



Here are the actual two lenses described above: One uses the selective absorber at the 450nm (yellow) and the other uses the selective absorber at 590nm (blue). Overlap them and you have LEDPRO™!