

Unlocking Potential with Vision Science Research

Improved Lighting Quality Delivered By Advanced Luminaires Saves Energy

10%

Lighting energy savings opportunity in 2035 through development of advanced luminaires with improved color, glare, and flicker characteristics.

Exploring Effects of Product Valuation on Energy Use

Thursday 10:30 AM

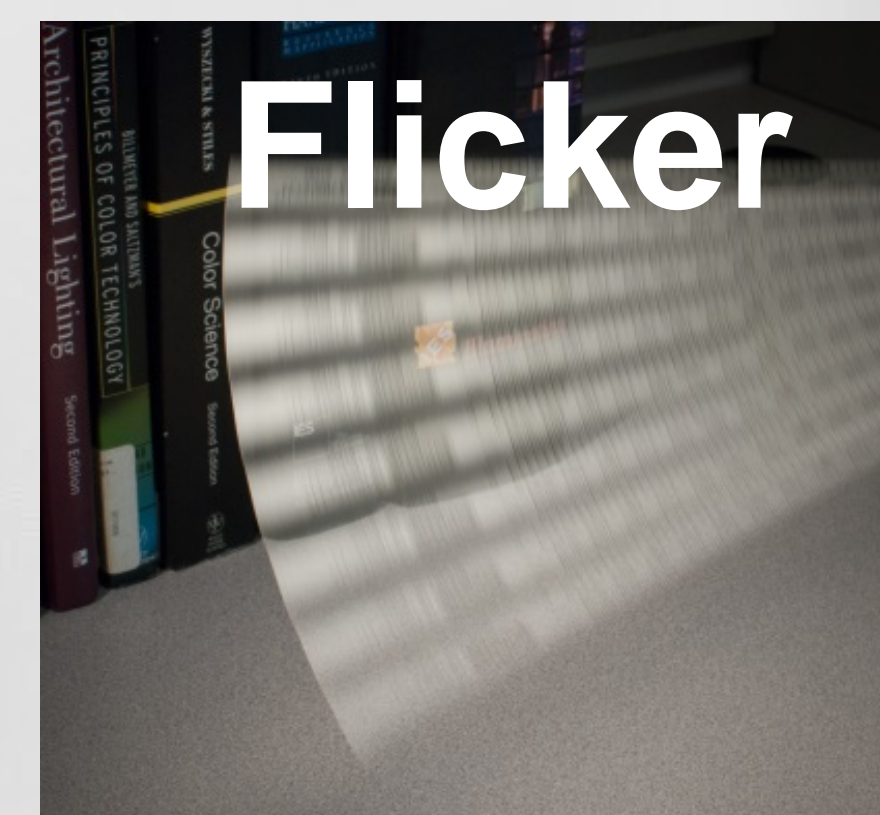
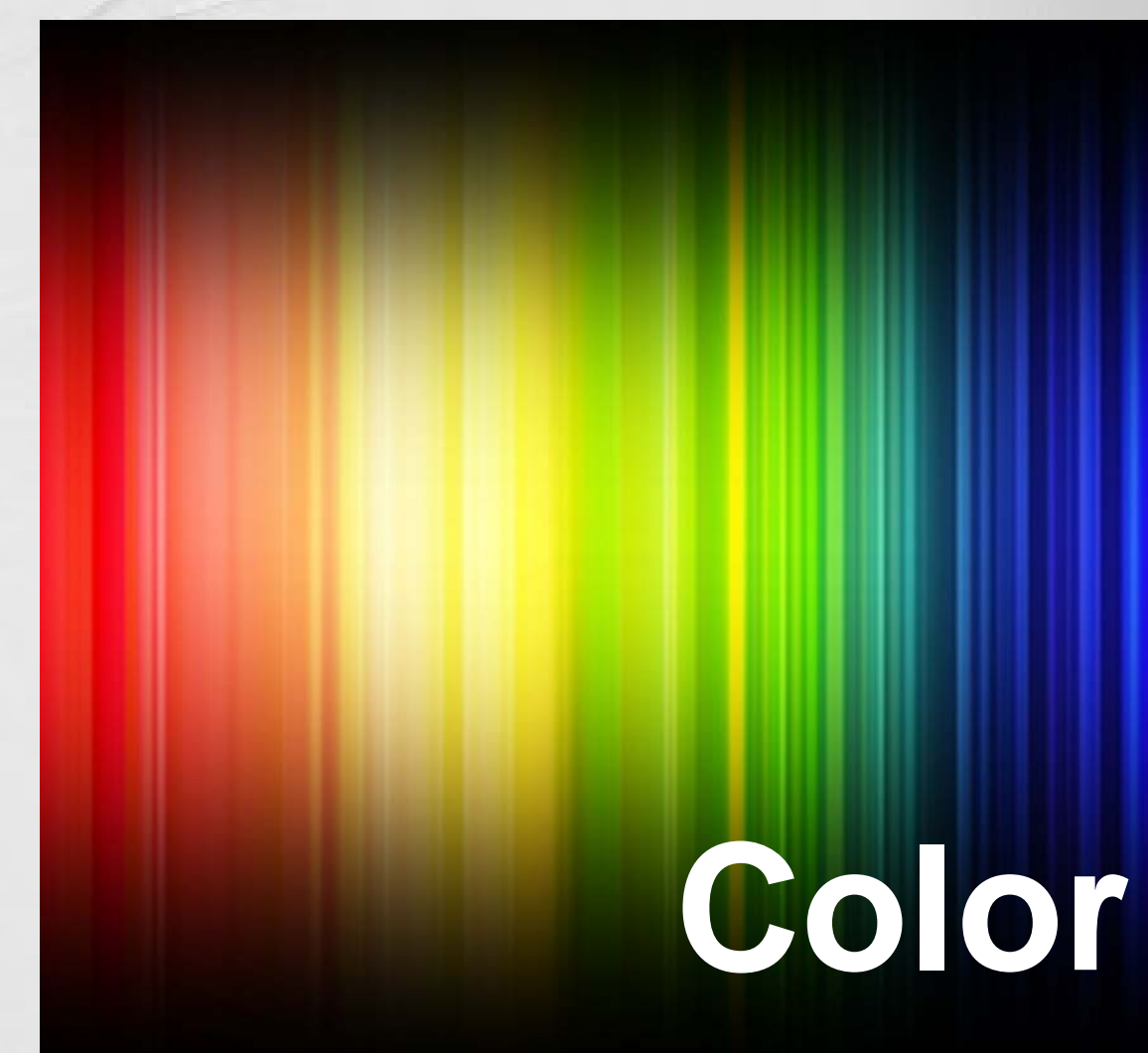
*Great Promise, Few Options:
Can Advances in Color Science Shift the Market?*

Wednesday 10:30 AM

New human factors research
apparatuses expected to be
commissioned in 2020.

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Hunt Effect Experiments
Far Red/NIR Experiment
Color Rendition Metamerism Analysis
SPD/TM-30 Web Tool
Color Rendition Variability Metric
Chromaticity Metrics



TLM Perception Experiment
Metric Development

SPD Experiment
Position Index Experiment
Research Methods Review



HDRI Error Analysis
Uniformity Perception Experiment
Transmission-Uniformity Tradeoff



*A Glaring Lack
of Definition*
Wednesday
1:00 PM