

# NaturaLux™

## FLORESCENT LIGHTING FILTERS



### Better Light...Better Sight

Improve existing lighting in your facility with NaturaLux™ Lighting Filters. NaturaLux™ offers daylight quality lighting without the harsh glare and ultraviolet rays. Save energy while creating a safer, visually soothing environment.

### NaturaLux™ Overlay Lenses

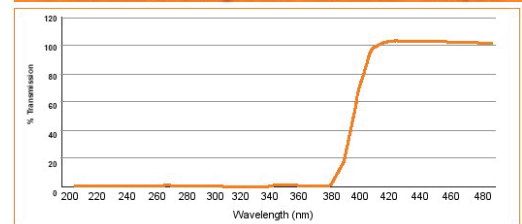
- Color correct; Improves color rendering and color balance.
- Absorbs harmful UV rays and helps to provide a UV-safe lighting environment.
- Helps eliminate glare from fluorescent lighting, reducing headaches and eyestrain.
- Spectrally Enhanced Lighting (SEL) saves energy.
- Rests on top of existing plastic lenses or louvers.



### Energy Saving

Research scientists at the Lawrence Berkeley National Laboratory, demonstrated that when light was enhanced in the cooler wavelengths of visible light, people could see better with less light. The U.S. Department of Energy has embraced this technological advancement in lighting as being a key factor in saving energy. Department of energy studies have also shown that buildings that switch from 3500K to 5000K lighting can reduce their energy costs by 25-50% due to the use of lower wattage and/or fewer lamps.

UV Transmission vs Wavelength of 0.010" Thick NaturaLux™ Overlay Lens



### Creating a UV-Safe Environment at School, Work, Home, and While Shopping

NaturaLux™ Filters absorb 100% of the harmful UVB radiation (280-320 nm) and 98% of the UVA energy (320-400 nm). UV energy is known to cause fading of photos, clothing, paintings, etc. It also affects our health, causing lupus flare-ups, early cataract formation, premature aging of the skin, and autoimmune system damage.

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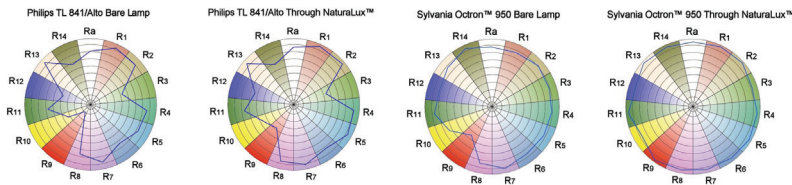
### NaturaLux™ Filters in the Classroom

A recent university study has shown that students under higher color temperature lights (5000k) displayed better visual acuity than the same students under lower color temperature (3500) lights. The same study also found that students required about half the number of light bulbs under the 5000K bulbs than under 3500k bulbs, resulting in energy savings of about 50%.

Another study found that students progressed 20% faster on the math test and 26% faster on the reading test when under full spectrum light.

### Research Shows

- Exposure to Spectrally Enhanced Lighting (SEL) improves alertness and performance
- SEL has a significant impact on performance in the workplace
- Optimized lighting boosts productivity; reduces fatigue and eyestrain
- Spectrally Enhanced Lighting (SEL) saves energy
- As a workers' productivity increases, so do your profits



### Extraordinary Filters

The patented NaturaLux™ Filters are designed to be used with ordinary, inexpensive fluorescent bulbs. What happens when the light passes through our filters is nothing short of amazing! At once, the UV is absorbed, the color is corrected to give you color-balanced light, and the glare is reduced. Even though our filters are most effective when used with 5000k bulbs, they also greatly improve 4100k bulbs as well.

### NaturaLux™ Filters Make a Difference!



The photo on the left shows two rooms, separated by a common wall. Believe it or not, the wall are painted the same shade of blue, and have the same grey carpeting.

- Compare the color of the ceiling tiles in each room
- Compare the relative brightness in each room
- Compare the color accuracy in each room
- Compare the contrast ratio in each room