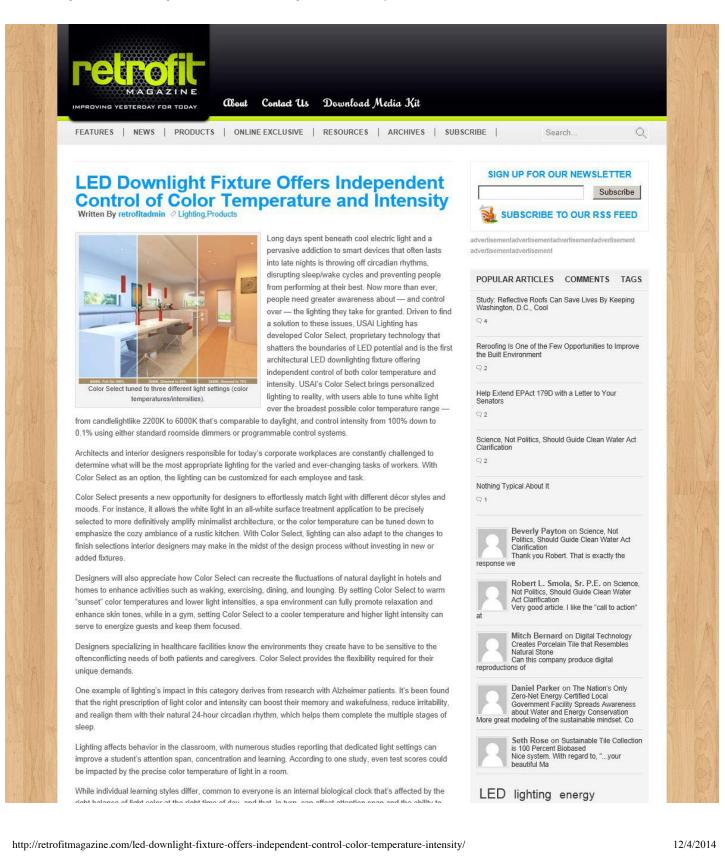
LED Downlight Fixture Offers Independent Control of Color Temperature and Intensity - retrofit



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enhance skin tones, while in a gym, setting Color Select to a cooler temperature and higher light intensity can serve to energize guests and keep them focused.

Designers specializing in healthcare facilities know the environments they create have to be sensitive to the oftenconflicting needs of both patients and caregivers. Color Select provides the flexibility required for their unique demands.

One example of lighting's impact in this category derives from research with Alzheimer patients. It's been found that the right prescription of light color and intensity can boost their memory and wakefulness, reduce irritability, and realign them with their natural 24-hour circadian rhythm, which helps them complete the multiple stages of sleep.

Lighting affects behavior in the classroom, with numerous studies reporting that dedicated light settings can improve a student's attention span, concentration and learning. According to one study, even test scores could be impacted by the precise color temperature of light in a room.

While individual learning styles differ, common to everyone is an internal biological clock that's affected by the right balance of light color at the right time of day, and that, in turn, can affect attention span and the ability to focus.

Retail also is ripe for Color Select and the tunability it brings to lighting, especially considering how greatly lighting impacts purchasing behavior for everything from carrots in the produce section of a grocery to the carats in the display case of a jeweler.

Every retail environment has a common goal — to sell — and a successful sales environment provides clear visual cues to guide the customer, supports their decision-making process, reduces stress during POS and conveys branding for repeat business. How these four objectives are achieved vary greatly by what is being sold. Orange carrots prefer a warm tone and wide beam spread at medium intensity, while diamonds prefer a cool tone and narrow beam at high intensity. And, what makes Color Select a reliable "go to" for any type of retail is that it allows the lighting to help define the experience for whatever goods are being sold.

In a single fixture, Color Select can also highlight various types of products, retail displays and ambiances to fit the moods of the specific retail environment, season and consumer. Color Select's downlight, adjustable and wall wash options additionally provide maximum flexibility in highlighting different areas and products within a store.

Color Select is available with USAI's BeveLED 2.0 fixture family, boasting the following features:

- Unparalleled power and energy efficiency providing up to 1975 delivered lumens and more than 66 lumens per watt, greatly exceeding output potential of bulbs with colorchanging capabilities with 0-10V 15% dimming provided standard. Additional dimming options include Lutron 2-wire, 3-wire, EldoLED, and DALI dimming down to 0.1%.
- · Precise optical control with a full variety of beam spreads from 40 to 80 degrees

 Tunable white color temperature offering end-users 80+ CRI from 2200K – 6000K, the widest range in the industry

 Fixture-to-fixture color consistency through advanced optical design and ideal 2-step MacAdam Ellipse, achieving +/- 50 K

- · Complete family portfolio offered, including downlight, adjustable and wallwash functions
- Effortless serviceability in a 4.5' aperture through an industry-first tool-less light engine, enabling easy field replacement of the light engine without compromising valuable time



## LED lighting energy

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