

Vitasolis™

Optisolis™

2-in-1 Tunable LED

Light **so** Good

 **NICHIA**

The LED range that puts **people first**

Nichia's commitment to human-centric lighting continues with three new technological breakthroughs in its Light **so Good** product range: **Vitasolis™**, **Optisolis™**, and the **2-in-1 Tunable LED**.

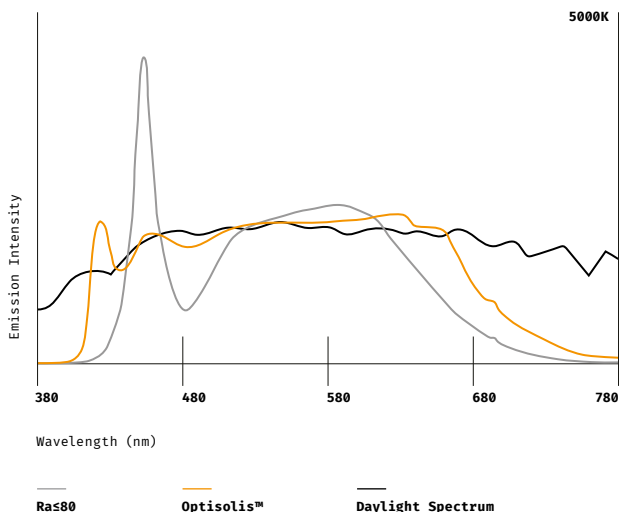
Vitasolis™ is state-of-the-art spectrum technology that stimulates human activity, while **Optisolis™** provides a natural light source on a spectrum that's the closest match to sunlight. Last but by no means least, Nichia's **2-in-1 Tunable** white technology lets you effortlessly switch from cold to warm light with just one LED.

The Light **so Good** products are yet another milestone in Nichia's rich 50-year research history. It reflects the company's continuing ambition to contribute to a better society through enhancing the quality of light, encapsulated in our motto: **Ever Researching for a Brighter World.**



Optisolis™

Light so Natural



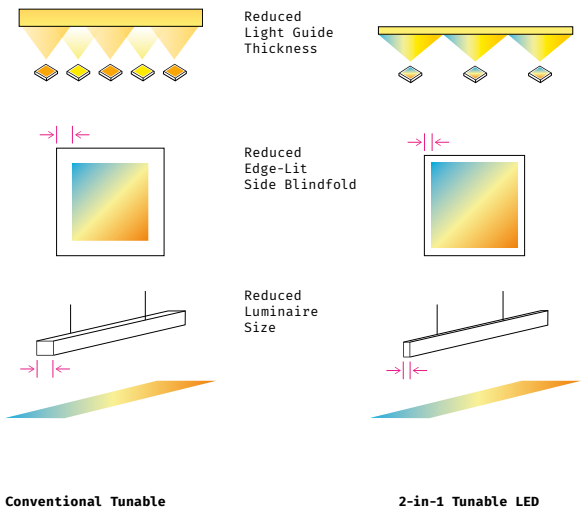
Optisolis™ is the world's first series of packaged LEDs and COB solutions that provides a natural light source with a spectrum that achieves the industry's closest match to the sun.

Not only does **Optisolis™** accurately mimic natural light, since UV emission is essentially non-existent the degradation of irradiated materials can be reduced dramatically compared to other light sources containing UV emission. Therefore, not only does it show objects in a more vivid and impactful way, it also helps to ensure their preservation.

Optisolis™ is ideal for any interior space where a natural and comfortable light (e.g. hospitals, homes, medical facilities, hotels) and color fidelity (museums, retail spaces, art galleries) is paramount.

2-in-1 Tunable LED

Light so Flexible



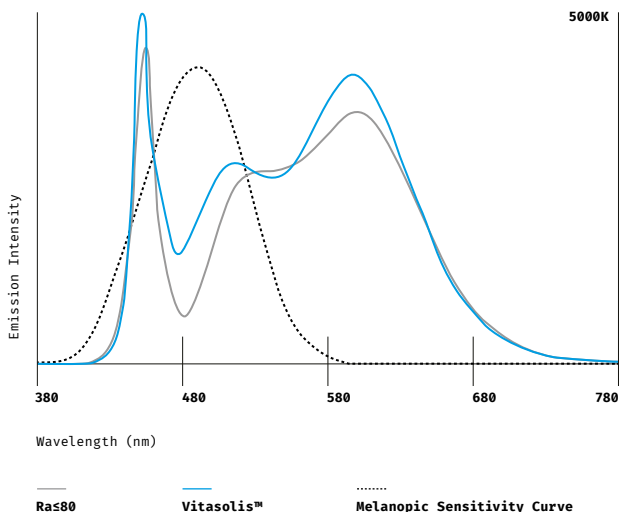
Introducing our game-changer: the first **2-in-1 Tunable White LED**. The single light-emitting surface (LES) mid-power 3030 LED enables luminaire manufacturers to improve color tuning and mixing, shrink optics and fixture profiles, and opens up new exciting creative design possibilities.

2-in-1 LED technology allows for higher color quality, in some cases up to ~90 CRI, in the popular CCT regions as a standard. It also delivers elegant color tuning and mixing all within a single LES to provide easier integration into edge-lit wave guides.

Nichia's **2-in-1 Tunable White LED** with homogeneous light distribution also enables you to select and balance color temperatures that respond to natural biological rhythms, yet another demonstration of our commitment to human-centric lighting solutions.

Vitasolis™

Light so Stimulating



Research shows the vital relationship between light and human behavior: Humans not only recognize its brightness and color, but light is one of the main drivers of the circadian system, which regulates physiological rhythms throughout the body, affecting hormone levels and the sleep-wake cycle. **Vitasolis™** applies LED technology to help control the human circadian rhythm via a unique spectrum that stimulates activity.

Vitasolis™ uses a special blend of phosphors to increase cyan in the resulting natural white light. This facilitates a better regulation of the body's clock to improve motivation and productivity, without losing efficacy.

As such, **Vitasolis™** is ideal for offices, schools, hospitals, and other locations that can benefit from improved adaption to the circadian rhythm, providing more suitable lighting based on the time of day and the desired environment.

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