

NICHIA wins Best Product and Best Lecture at LED Professional Symposium (LpS)

NICHIA is the proud recipient of two awards at the prestigious LpS Digital event which took place on Thursday, 2nd December 2021. LpS Digital (<https://led-professional-symposium.com/>) presents more than 100 lectures and presentations on current, high-quality content about lighting design, technologies, and applications. It was attended by a broad range of companies in the global lighting community.

NICHIA was presented 'best product' for the H6 LED Series, and 'best lecture' for 'ipRGC Sensitive Optimized LED Spectrum and Its Application in Color Temperature Lighting Solutions'. The award-winning lecture explains the technology behind NICHIA's Circadian Tune also called Dynasolis™.

"NICHIA stands for innovation in lighting – delivering high-quality illumination, with unrivalled reliability and efficiency," said Dr. Ulf Meiners, Managing Director, NICHIA Europe GmbH. "We are delighted to be recognized with these two latest awards."

The H6 series incorporates NICHIA's latest phosphor, die and packaging technology, as well as TriGain® Technology from GE Current, a Daintree Company. It delivers the industry's highest joint-boost in color rendering and efficacy – offering unrivalled high-quality illumination, reliability, and energy efficiency, while maintaining outstanding lifetime.

The H6 series takes advantage of a unique red narrow band phosphor technology, among other semiconductor processes and packaging techniques. This enables it to achieve a color quality better than traditional color rendering index (CRI) 90 LEDs, with an efficacy better than many CRI 80 LEDs.

Dynasolis, a new circadian tune technology, is a tunable LED pairing developed to enhance the regulation of your body clock by combining both stimulation and calming doses of light, in addition to color tuning.

Most commercially available human-centric lighting systems primarily work by adjusting the CCT (correlated color temperature). While NICHIA's Dynasolis addresses color tuning, it also emphasizes efficacy, color quality and most importantly, increased Melanopsin Stimulation, the light that explicitly targets melanopsin-containing neurons in the retina of the eye. These neurons, called Intrinsically Photosensitive Retinal Ganglion Cells (ipRGCs), are connected to region of the brain that regulates the circadian cycle, along with associated reflexive neuronal and hormonal responses to the presence of light.

Nichia continuously strives to develop innovative products, with a focus on function and quality of light, for the daily comfort of our lives.

Note: TriGain® is a registered trademark of Current Lighting Solutions, LLC.