



Ever Researching for a Brighter World

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Nichia Corporation

Hiroyoshi Ogawa - President and Representative Director

Nichia launches Ultra-High CRI White LED (Optisolis™), the beginning of a new white LED

Since the birth of human, light (AKARI) has been indispensable. Light generates such a strong feeling, it has kept people throughout history longing for lighting that is most similar to that of natural daylight or fire. To further improve the overall quality of light as "AKARI", Nichia Corporation has developed an Ultra-High Color Rendering white LED named Optisolis™.

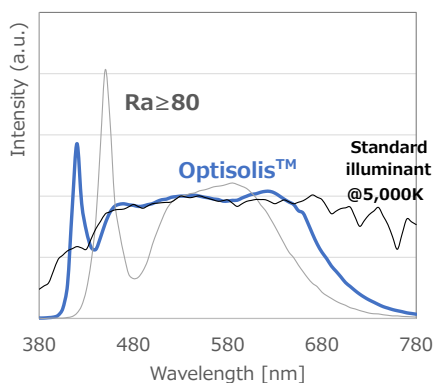
As Nichia continues to lead the industry with innovative products, Optisolis™, which launches in February 2018, achieves Ultra High CRI with a spectrum that demonstrates the closest match to that of the standard illuminant. Optisolis™, which was first presented to the industry at The Phosphor Global Summit in 2016, is optimized for the general lighting market and is accomplished by using Nichia's own blue chip and phosphor technology.

Manufacturers can utilize Optisolis™ and trust in a spectrum where all colors are reproduced to the color seen under a standard light. Most importantly, since UV emission is essentially non-existent in the spectrum, the degradation of irradiated materials can be reduced dramatically compared to that of other light sources containing UV emission, including other market available LEDs.

Optisolis™ target applications include Museum and Art Gallery Lighting, where the highest CRI is preferred, but UV radiation and light sources can be detrimental. Additional applications could include Color Evaluation (e.g. painting, printing), Commercial Lighting (e.g. retail, etc.) or anywhere Ultra High CRI is desired.

For additional information on Optisolis™, visit www.nichia.com or contact a Nichia representative.

Example of spectrum (T_j 25°C)



Example of Color Rendering Index (n=1)

