

Photochemistry



Press Release

Phoseon Technology Introduces KeyReact™ UV Light Sources for Photochemical Processes

Improved Yields, Fewer Lamp Replacements, No Mercury Waste

Hillsboro, Oregon (August 6, 2020) - Phoseon Technology introduces KeyReact™ UV light sources for photochemical processes. Phoseon's light sources differentiate themselves through superior performance and real-world reliability for any environment. Solid state UV technology delivers significant benefits, including increased production speeds, cost reduction through energy savings and is environmentally friendly, with no ozone emissions generated.



Specific UV light wavelength-intensity combinations create molecular interactions that result in the synthesis or separation of chemical compounds. From anti-cancer (Hydroxycamptothecin) or anti-malaria (artemisinin) drugs to powerful precursors (carbon tetrachloride), photochemistry has been the ideal mechanism for many chemical compound production systems in pharmaceutical, agricultural, cosmetic, petrochemical, plastics, dyes, and toxic waste disposal applications.

Photochemistry is revolutionizing the industrial chemistry landscape, but has long been tied to the limitations of UV mercury lamps. UV LED lamps are the perfect substitute to mercury and solve common shortcomings of the currently used light source. Phoseon is ready to lead the chemical industry into a new generation of innovative technology.

About Phoseon Technology

Since 2002, Phoseon Technology pioneered the use of LED technology for Life Sciences and Industrial Curing. Through our relentless innovation, we deliver high performance, reliable and patented LED based solutions. Our strong focus on customer collaboration has resulted in world-wide market leadership position and presence. Phoseon is an ISO9001 certified company manufacturing award winning products that are covered by more than 300 patents worldwide. We uniquely focus 100% on LED technology therefore ensuring superior reliability, business economics, and environmental benefits.

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