

# High Performance UV-C



## Press Release

### Breakthrough UV-C LED Performance

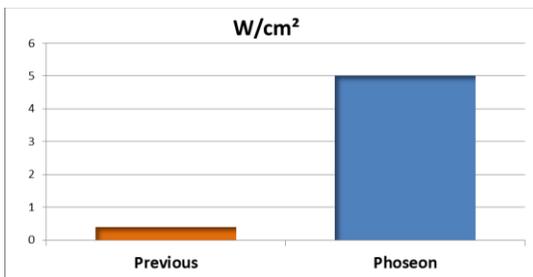
*Enables new life science applications*

Hillsboro, Oregon (February 5, 2018) - Phoseon Technology today announces that utilizing its patented SLM™ technology and proprietary thermal management system achieves a breakthrough level of deep-UV irradiance targeted at disinfection and decontamination Life Science applications.

Phoseon is the first to develop a 275nm UV LED disinfection system that surpasses 5 W/cm<sup>2</sup>, significantly higher than the 0.3 W/cm<sup>2</sup> levels reached by other technologies in the market.

“This milestone development enables us to produce a level of irradiance that provides scientists, researchers and equipment manufacturers the capability to think and act beyond traditional methodologies,” says Jay Pasquantonio, Senior Product Manager at Phoseon. “For the past 30 years, low irradiance has limited the efficacy of UV-C solutions. Phoseon has provided a new path based on high power that allows our customers to build high-performance; long-lasting products that reduce research times, lower operating costs and provide improved disinfection capabilities.”

Phoseon’s SLM technology offers unmatched levels of deep UV irradiance, which enable significant process improvements in the field of Life Sciences, including faster analysis and operations, and increased capabilities for disinfection and decontamination applications that require low wavelengths.



High irradiance, combined with appropriate wavelengths, targets specific bonds in DNA, RNA and proteins within microorganisms and biomolecules. This allows shorter inactivation times while improving overall efficacy of the disinfection. The high absolute irradiance of these new solutions enable high-throughput processes in pharmaceutical, sequencing, air handling and manufacturing facilities.

#### About Phoseon Technology

The world leader since 2002, Phoseon Technology pioneered the use of LED technology for Life Science and Industrial Curing applications. Phoseon delivers innovative, highly engineered, patented LED solutions. The company is focused 100% on LED technology and provides worldwide support.

#### CONTACT:

Stacy Hoge  
Senior Marketing Communications Specialist  
Phoseon Technology  
503-439-6446  
[info@phoseon.com](mailto:info@phoseon.com)  
[www.phoseon.com](http://www.phoseon.com)

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