

# UV LED Disinfection Solutions

## Product Overview

Phoseon Technology provides patented and proprietary LED disinfection solutions that offer high-performance and long lifetime. The Company is 100% focused on LED technology and provides worldwide sales and support capabilities.



### Company

- In-house R&D
- Internal Manufacturing
- Thermal Management
- Custom Optics

### Products

- Optimized Performance
- Rugged & Reliable
- Extensive Portfolio
- Long Lifetime


### Solutions

- Patented Technologies
- Application Specific
- Engineering & Maintenance Services
- Scalable Lengths









## Phoseon UV LED Disinfection Technology



Phoseon's patented Semiconductor Light Matrix™ (SLM)™ technology encompasses LED arrays, advanced optics, thermal management, and electronic control to provide simple integration and trouble-free operation. Phoseon is an ISO 9001 certified corporation with over 2 million hours of internal LED lifetime testing.

Product Name	Peak Irradiance (W/cm <sup>2</sup> ) @ Wavelength (nm):		Key Features
	275	365	
<b>KeyPro™</b>			
KP100 	2	1	<ul style="list-style-type: none"> <li>• Compatible microplate shelf adjustable from 4 to 80mm, in 4mm increments</li> <li>• Proprietary SLM™ scanning array</li> <li>• Safety lock door system, also acts as emergency stop</li> </ul>

Ideal for rapid and reliable microplate decontamination in labs that require high fidelity RNA library prep, sequencing, and PCR

Product Name	Emitting Window (mm)	Peak Irradiance (W/cm <sup>2</sup> ) @ Wavelength (nm):		Key Features
		275	365	
<b>KeyPro™</b>				<b>Air-cooled</b> 
KP200 	75 150 225 300 x 20	0.75		<ul style="list-style-type: none"> <li>•  TargetCure™ technology</li> <li>•  WhisperCure™ technology</li> <li>• Scalable</li> <li>• Digital/analog control</li> <li>• Small form factor</li> </ul>
KP300 	125 150 225 250 300 x 20	1		<b>Water-cooled</b> 

Ideal for rapid and reliable decontamination and disinfection of laboratory, clinical and industrial applications

Product Name	Peak Irradiance (W/cm <sup>2</sup> ) @ Wavelength (nm):		Key Features
	275	365	
<b>KeyPro™</b>			<b>Air-cooled</b> 
Explorer 	25 x 10	.5	<ul style="list-style-type: none"> <li>• Small footprint</li> <li>• Application development tool</li> <li>• Biomolecule inactivation and modification</li> </ul>

Ideal for preliminary evaluation of UVC LED technology for various applications such as disinfection, photochemical reactions, curing, and more

## TargetCure™ WhisperCure™

Building on the SLM foundation are the patented TargetCure™ and WhisperCure™ technologies. TargetCure technology delivers precise, stable and consistent operation. WhisperCure offers a low-sound solution with increased UV output.