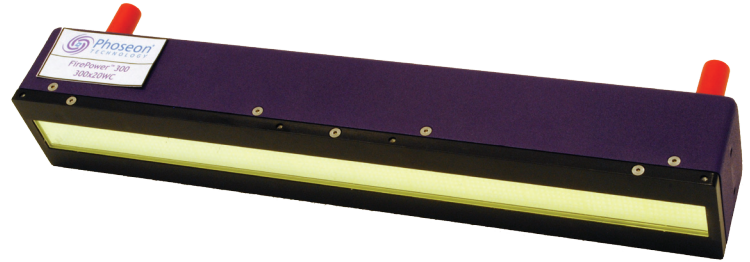


## HIGH PERFORMANCE WATER COOLED UV LED SYSTEM



Phoseon Technology UV LED light systems deliver superior performance, maximum UV energy and real-world reliability in both air and water cooled configurations. Ultraviolet (UV) LED systems are compact solid-state devices providing low energy consumption without moving parts. They are environmentally friendly with no ozone generation and mercury free. Phoseon's patented Semiconductor Light Matrix (SLM)<sup>TM</sup> Technology provides the following features and benefits:



### FEATURES

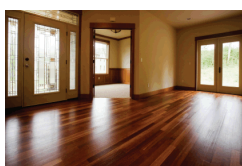
Performance: High Intensity Light Source
Semiconductor Light Matrix (SLM) <sup>TM</sup> Technology
Reliability: consistent UV output over time, longer life
Instant on/off - Enabled only when required for curing
Environmentally Friendly
Small form factor and integrated electronic controls
Cooler operating temperature

### BENEFITS

Spectral radiant power equivalent to multi kilowatt mercury vapor lamp
Increased productivity, maintenance free
Lower cost of ownership
Less energy required, lower operating costs
Safer - mercury and ozone free
Easy Integration
Ability to cure on heat sensitive substrates



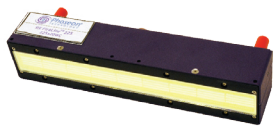
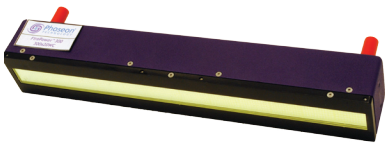
### APPLICATIONS

Phoseon products are successfully curing inks, coatings and adhesives in many demanding applications today. Here are a few examples:



# FirePower Datasheet

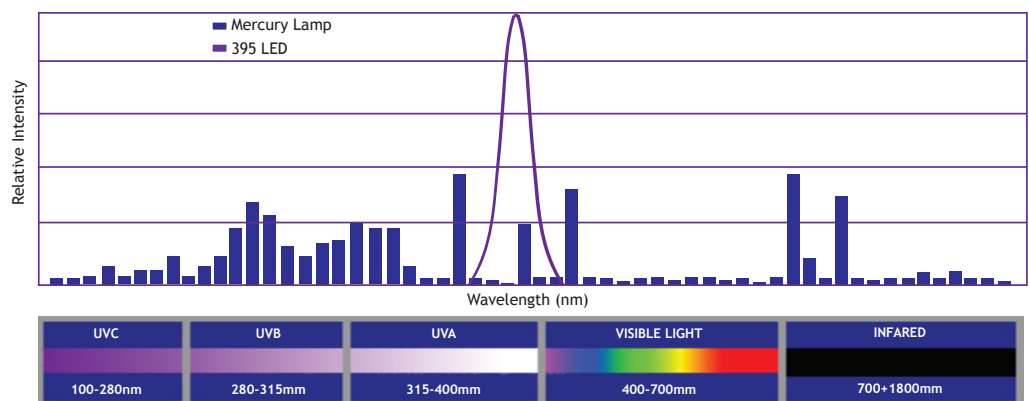
## SPECIFICATIONS

Emitting Window	Product	Dimensions	Product Family Features
150 x 20mm		160 x 49 x 76mm 0.6 kg (1.2 lbs)	 *Peak Irradiance: 16W/cm <sup>2</sup> Total UV Power: Up to 960W Pure UV Output: 380-420nm Interface Control: PLC Safety: CE, RoHS and REACH Compliant
225 x 20mm		235 x 49 x 76mm 0.8 kg (1.7 lbs)	
300 x 20mm		310 x 49 x 76mm 1.1 kg (2.5 lbs)	

\*Peak Irradiance (the maximum measured irradiance at the output of the UV emitting window)  
 All standard products have a peak wavelength of 395nm

## UV LED VS MERCURY SPECTRAL DISTRIBUTION

UV LED curing lamps efficiently convert 15-30% of the input electrical power into usable UV light with no harmful UV-C or infrared exposure. That efficiency translates into approximately 80% power and heat savings over mercury based lamps.



Interested in integrating our technology? Phoseon can tailor a solution for your particular integration needs. Please contact us to discuss your specific requirements.

