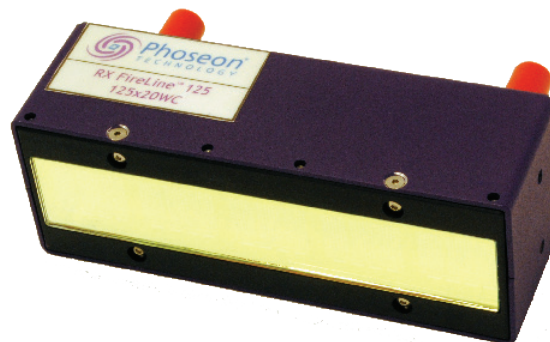


### HIGH PERFORMANCE WATER COOLED UV LED SYSTEM



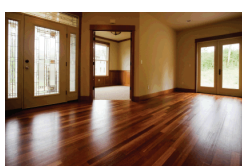
Phoseon Technology UV LED light systems deliver superior performance, maximum UV energy and real-world reliability in both air and water cooled configurations. Ultraviolet (UV) LED systems are compact solid-state devices providing low energy consumption without moving parts. They are environmentally 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	BENEFITS
Performance: High Intensity Light Source	Spectral radiant power equivalent to multi kilowatt mercury vapor lamp
Semiconductor Light Matrix (SLM) <sup>TM</sup> Technology	Increased productivity, maintenance free
Reliability: consistent UV output over time, longer life	Lower cost of ownership
Instant on/off - Enabled only when required for curing	Less energy required, lower operating costs
Environmentally Friendly	Safer - mercury and ozone free
Small form factor and integrated electronic controls	Easy Integration
Cooler operating temperature	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:



# FireLine Datasheet

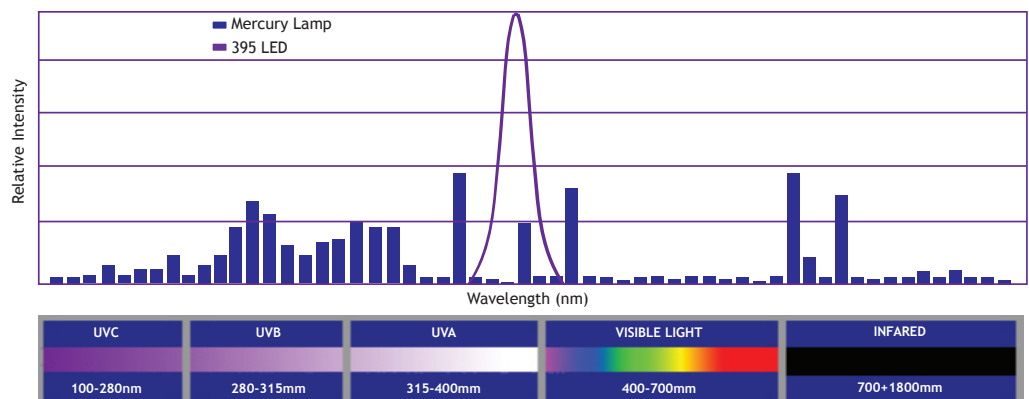
## SPECIFICATIONS

Emitting Window	Product	Dimensions	Product Family Features
125 x 20mm		135 x 49 x 76mm 0.5 kg (1.06 lbs)	 <p>*Peak Irradiance: 8W/cm<sup>2</sup>                      Total UV Power: Up to 480W                      Pure UV Output: 380-420nm                      Interface Control: PLC                      Safety: UL, CE, RoHS and REACH Compliant</p> <p>Light sources can be combined end to end with no gap to create a scalable solution</p>
150 x 20mm		160 x 49 x 76mm 0.6 kg (1.2 lbs)	
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)	
Up to 2M		Up to 2M 7 kg (15.5 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.

 **Phoseon**  
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