

### HIGH PERFORMANCE WATER COOLED UV LED SYSTEM



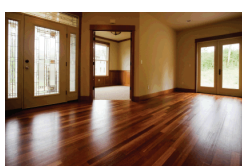
Phoseon Technology UV LED light systems deliver superior performance, maximum UV energy and real-world reliability in both air and water cooled configurations. Ultraviolet (UV) LED systems are compact solid-state devices providing low energy consumption without moving parts. They are environmentally 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:



# FireFlex Datasheet

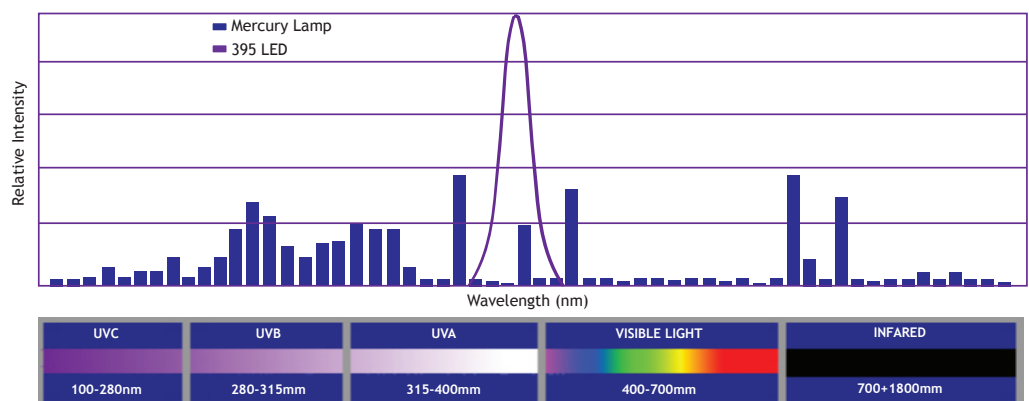
## SPECIFICATIONS

| Emitting Window | Product   | Dimensions                          | Product Family Features   |
|-----------------|---|-------------------------------------|---|
| 75 x 50mm       |  | 94 x 94 x 119mm<br>0.9 kg (2.0 lbs) |  <p>*Peak Irradiance: 8W/cm<sup>2</sup></p> <p>Total UV Power: Up to 300W</p> <p>Pure UV Output: 380-420nm</p> <p>Interface Control: PLC</p> <p>Safety: CE, RoHS and REACH Compliant</p> <p>Light sources can be combined end to end with no gap to create a scalable solution</p> |

\*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.



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