

RX Firefly UV Spot Curing



Compact, High Intensity UV Light System for Small Area Curing

FEATURES/BENEFITS:

- HIGH INTENSITY (>1.5W/cm²)
- UNIFORM PURE UV OUTPUT
- LONG LIFE SEMICONDUCTOR LIGHT MATRIX (SLM) TECHNOLOGY

The future of high intensity UV technology is small, cool and clean, with no lamps. The RX Firefly from Phoseon Technology is designed for applications that require a high intensity, small form factor UV light system. The useful UV output of the RX Firefly is equivalent to the useful UV output of a multi-kilowatt mercury vapor arc lamp. The RX Firefly utilizes Phoseon's Semiconductor Light Matrix (SLM) technology to produce a system with highly efficient UV output that has a narrow spectral emission band eliminating damaging and unsafe UV and infrared wave-lengths. The result is a compact and safe UV system that can be used for a host of manufacturing, process development, and material



development tasks. Its compact size makes the RX Firefly an excellent choice for integration into equipment where UV spot curing is a requirement.

The RX Firefly is one of a family of UV light systems that utilize Phoseon's Semiconductor Light Matrix (SLM) technology. SLM combines a dense array of light emitting semiconductor devices, with high technology micro optics and micro cooling in a cost-effective MOEMS (micro opto electro-mechanical system) package. The result is a high

intensity UV light system that offers an efficient, scalable, safe, long-life, and environmentally friendly alternative to traditional UV sources. Phoseon's family of SLM-based UV devices can be operated as standalone exposure and curing systems or can be easily integrated into other pieces of equipment. The compact size of the light source and associated power supply, as well as simple electronic control allows instant on/off making integration a snap.

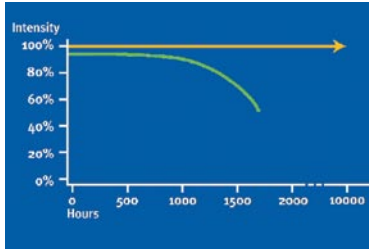
RX Firefly is compact and flexible enough to be used as a benchtop or handheld system.



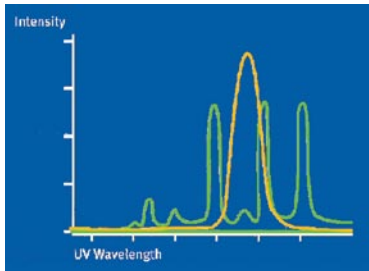
Phoseon's UV products are ideal for many types of curing applications

RX Firefly Specifications

FEATURES



Phoseon's UV light systems (yellow) maintain their intensity over a much longer lifetime than conventional mercury arc lamps (green).



Phoseon's UV light is more concentrated than UV light from mercury vapor arc lamps.

SPECIFICATIONS

Peak Irradiance : >1.5W/cm² typical

Continuous Irradiance: >1W/cm² typical

Cure Diameter: 20mm at source

Wavelength: 380nm to 420nm output range

Weight: 300g

Electrical/Power Supply: 100-240VAC

Dimensions: 119 x 90 x 44mm

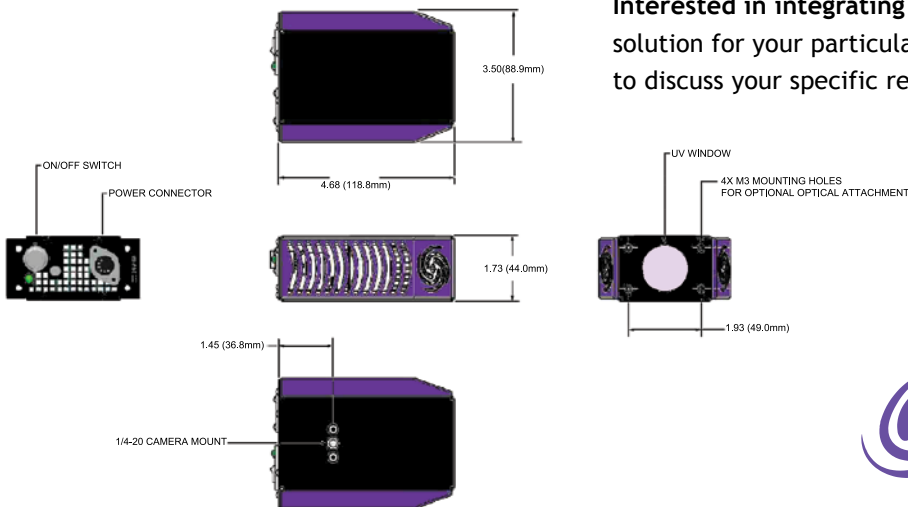
Safety/Environmental:

- Mercury Free
- No damaging UV wavelengths
- No ozone produced
- CE compliant
- Class 3b product

Available Options:

- Lab Stand
- C-Mount adapter

PRODUCT DIMENSIONS



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

For more information, contact your nearest Phoseon Representative or Phoseon Technology.



Phoseon Technology, Inc.
7425 NW Evergreen Parkway
Hillsboro, OR 97124
USA
Phone: +1.503.439.6446
Fax: +1.503.439.6408