

RX FireFly™ UV Light System



Compact High Intensity Air Cooled UV Light System for Small Area Curing

FEATURES/BENEFITS:

- SEMICONDUCTOR LIGHT MATRIX (SLM™) TECHNOLOGY
- LONGER LIFE
- HIGH INTENSITY
- PURE UV OUTPUT
- ENVIRONMENTALLY FRIENDLY

Phoseon Lighting the Way - UV LED based SLM™ Technology

The RX FireFly is an air cooled high intensity UV light system with configurable emitting lengths up to 50mm and emitting width of 20mm.

Industrial UV curing applications for printing, coatings, and adhesives can now gain the proven advantages of high-intensity LED-based ultraviolet light.

As the world leader in delivering high power, UV-LED technology, Phoseon Technology pioneered the Semiconductor Light Matrix (SLM™). With SLM™ technology, OEMs can manufacture the environmentally cleanest, coolest operating, and most efficient UV-based systems commercially available.

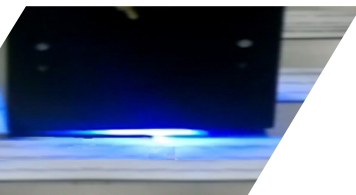


RX FireFly is compact and offers high peak irradiance of 2W/cm² for up to 5 total Watts of UV Power.

RX Series products utilize SLM™ technology which combines an array of light emitting semiconductor devices, with high tech 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 with the following advantages:

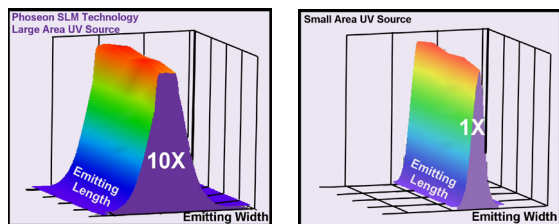
- Lower cost of ownership
- Increased productivity, maintenance free
- Improved yield with consistent UV output over time
- Lower operating cost with instant on/off - UV light system can be enabled only when required for curing
- Narrow UV spectral emission
- Spectral radiant power equivalent to multi-kilowatt mercury vapor arc lamp
- Cooler operating temperature
- Safer - mercury and ozone free
- Small form factor light source and power supply
- Simple electronic controls for easy integration

Phoseon's UV products are ideal for all types of curing applications including inkjet printing and Marking and Coding applications.

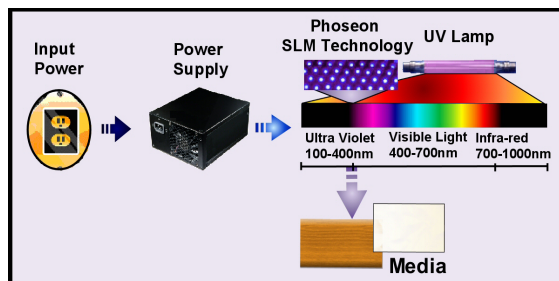


RX FireFly Preliminary Specifications

FEATURES



Phoseon's UV light systems have up to 10X the total UV output power as compared to a focused or small area UV source even when the peak intensity is the same.



Phoseon's UV light systems require less input power to generate a higher intensity narrow emission spectrum as compared to a broad emission spectrum UV lamp.

SPECIFICATIONS

Irradiance at UV Emitting Window: 2W/cm²

Emitting Window Dimensions: 25 x 10mm

Total UV Power: Up to 5W

Peak Irradiance at LED (Modeled): Up to 72W/cm²

Pure UV Output: 380-420nm

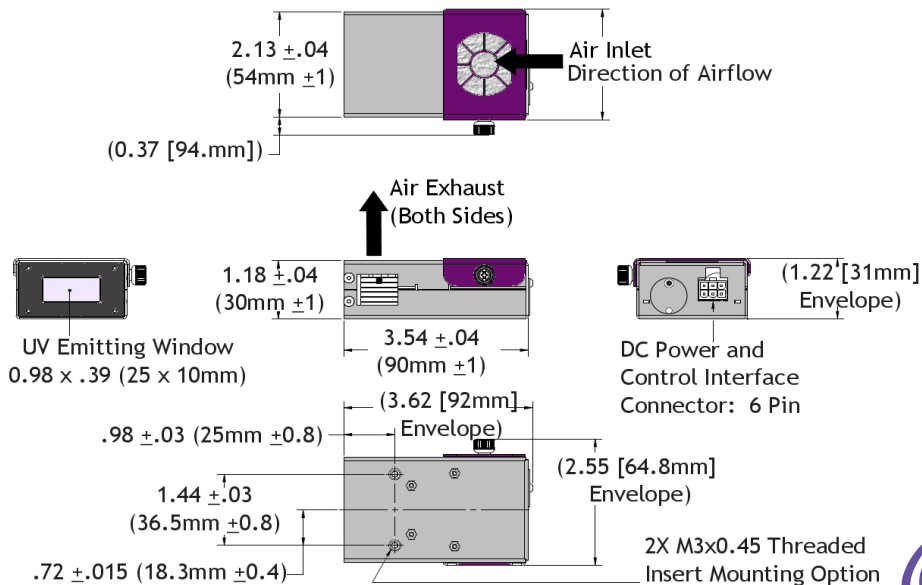
Interface Control: PLC

Weight: 0.18kg (0.4 lb)

Safety: CE, RoHS and REACH Compliant

Dimensions: 110 x 68 x 200mm (4.33 x 2.68 x 7.87in)

PRODUCT OVERVIEW



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



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

Phoseon Technology, Inc.
7425 NW Evergreen Parkway
Hillsboro, OR 97124
USA
Phone: +1.503.439.6446
Fax: +1.503.439.6408
E-Mail: info@phoseon.com
www.phoseon.com