

# 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 75mm 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.

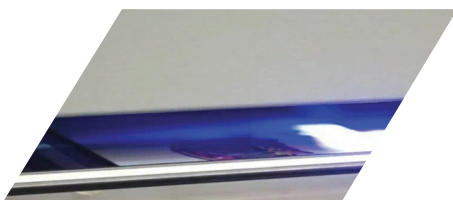


RX FireFly is available with configurable UV emitting lengths with  $4\text{W}/\text{cm}^2$  for up to 60 total Watts of UV Power.

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:

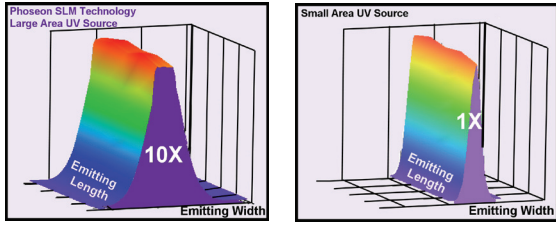
- Lower cost of ownership
- Increased productivity, maintenance free
- Improved yield with consistent UV output over time
- Lower operating cost with instant on/off - UV light system can be enabled only when required for curing
- Narrow UV spectral emission
- Spectral radiant power equivalent to multi-kilowatt 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.

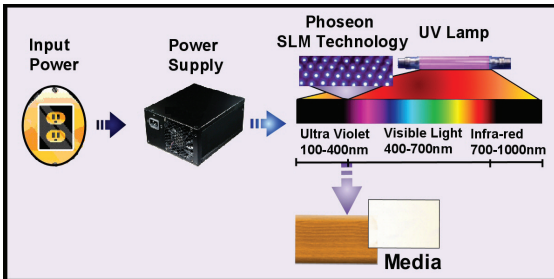


# RX FireFly Preliminary Specifications

## 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: 4W/cm<sup>2</sup>

Emitting Window Dimensions:

RX FireFly 25x20AC - 25 x 20mm

RX Fire 50x20AC - 50 x 20mm

RX Fire 75x20AC - 75 x 20mm

Total UV Power: Up to 60W

Peak Irradiance at LED (Modeled): Up to 72W/cm<sup>2</sup>

Pure UV Output: 380-420nm

Interface Control: PLC

Weight: < 1kg

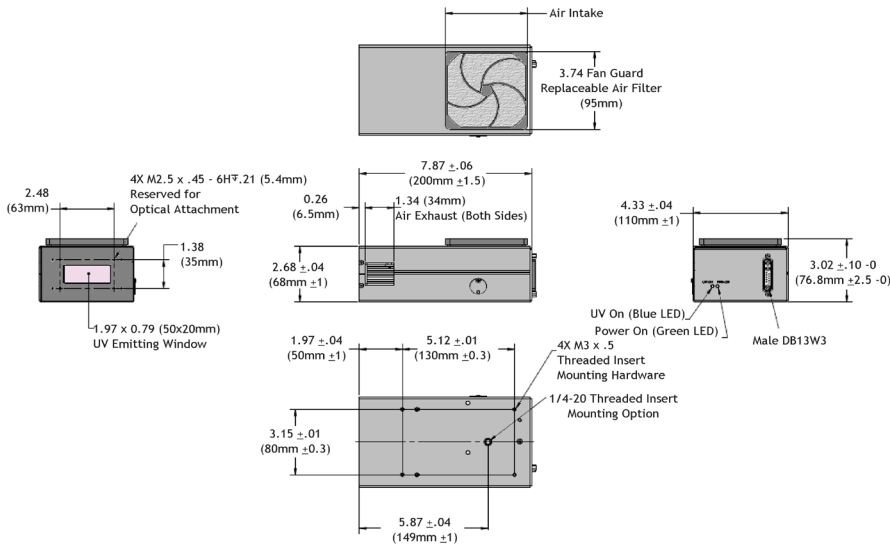
Safety: CE, RoHS and REACH Compliant

Dimensions:

RX FireFly 75x20AC & 50x20AC & RX FireFly25x20AC

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.



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