

RX Fireline UV Light System



High Intensity UV Light System with Configurable Curing Length

FEATURES/BENEFITS:

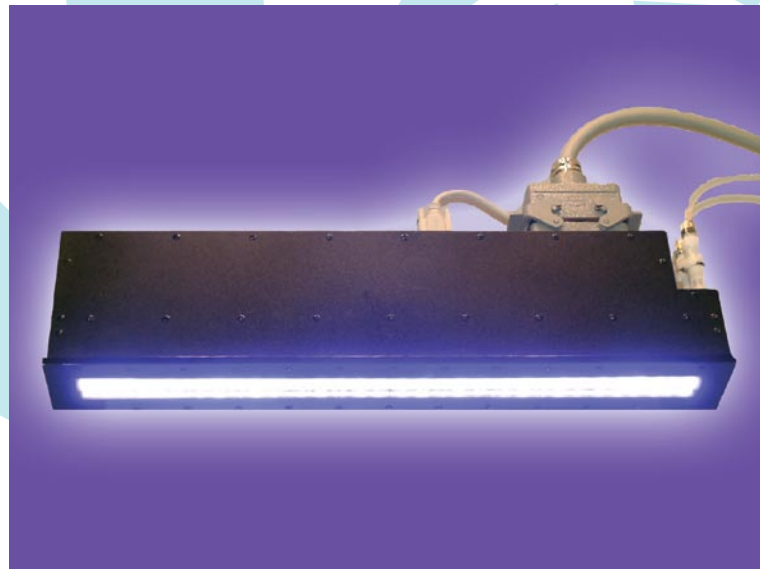
- LONG LIFE SEMICONDUCTOR LIGHT MATRIX (SLM) TECHNOLOGY
- UNIFORM PURE UV OUTPUT
- COOLER, MORE ENERGY EFFICIENT

The future of high intensity UV technology is small, cool and clean, with no lamps.

The RX Fireline curing system from Phoseon Technology is designed for applications that require small form factor—wide area UV light sources. The useful UV output is equivalent to the useful UV output of a multi-kilowatt mercury vapor arc lamp.

The RX Fireline 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 Infra Red wavelengths.

The result is a compact and safe UV source that can be used for a host of manufac-



RX Fireline is modular to enable configurable sizes to accommodate many applications.

turing, process development and material development tasks. Its wide area in a compact size makes the RX Fireline an excellent choice for integration into equipment.

This product 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.

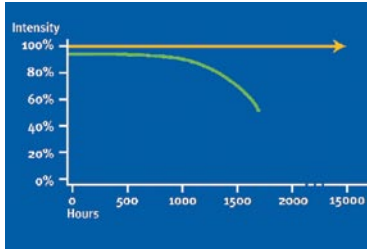
Phoseon's family of SLM-based UV devices can be operated as stand alone exposure and curing systems or can be easily integrated into other pieces of equipment. The compact size of the light source and associated power supply, as well as simple electronic control allows instant on/off making integration a snap.



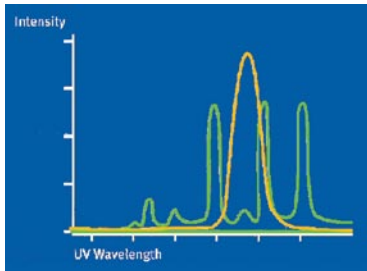
Phoseon's UV products are ideal for all types of digital ink jet curing and pinning applications.

RX Fireline 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

Irradiance: >400mW/cm² typical

Intensity Control: 25–100%

On/Off Control: Individual control of 90mm segments along cure area length

Cure Area: 544 x 25mm

Wavelength: 380nm to 420nm output range

Weight: 5kg

Electrical/Power Supply: 208–240VAC

Water: 0.8 l/min, 20C

Dimensions: 602 x 80 x 196mm

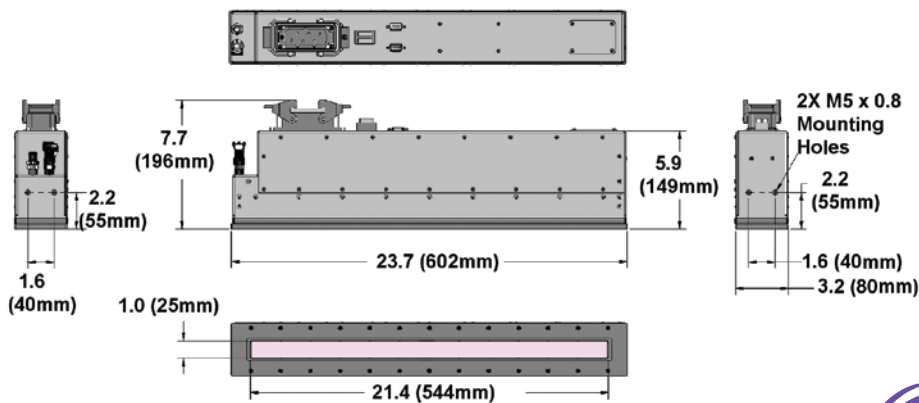
Safety/Environmental:

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

Available Options:

- Configurable UV emitting area
- Inerting Fixture

PRODUCT DIMENSIONS



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.

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