

RX Starfire UV Light System



High Intensity UV Light System with Configurable Curing Length

FEATURES/BENEFITS:

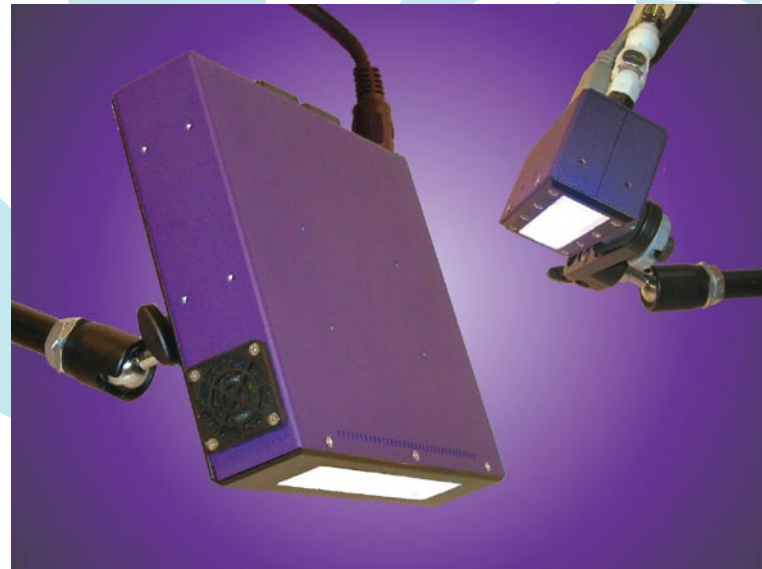
- LONG LIFE SEMICONDUCTOR LIGHT MATRIX (SLM) TECHNOLOGY
- UNIFORM PURE UV OUTPUT
- COOLER, MORE ENERGY EFFICIENT

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

The RX Starfire from Phoseon Technology is designed for integration into systems that require a narrow width with configurable lengths up to 300mm. The useful UV output of the RX Starfire is equivalent to the useful UV output of a multi-kilowatt mercury vapor arc lamp.

The RX Starfire 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 manufacturing,



RX Starfire is available in either an air cooled or water cooled version with UV emitting lengths from 75-300mm.

process development and material development tasks. Its compact size makes the RX Starfire an excellent choice for integration into equipment.

The RX Starfire 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.

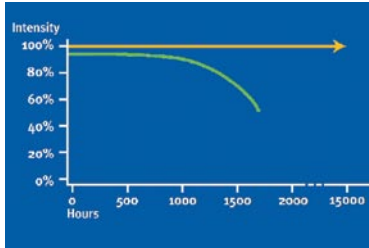
Phoseon's family of SLM-based UV devices can be operated as stand alone exposure and curing systems or can be easily integrated into other pieces of equipment. The compact size of the light source and associated power supply, as well as simple electronic control allows instant on/off making integration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



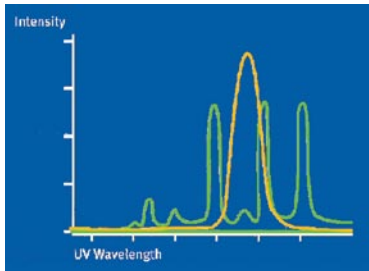
Phoseon's UV products are ideal for all types of digital inkjet curing and pinning applications.

RX Starfire 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: >1.2W/cm² typical

Cure Area:

- RX Starfire 75: 75 x 20mm
- RX Starfire 150: 150 x 20mm
- RX Starfire 300: 300 x 20mm

Interface Control: PLC control of intensity from 0-100%

Wavelength: 380nm to 420nm output range

Dimensions:

	Air Cooled	Water Cooled
• RX Starfire 75	• 199 X 48 X 212mm	• 100 X 49 X 102mm
• RX Starfire 150	• 249 X 48 X 212mm	• 175 X 49 X 102mm
• RX Starfire 300	• 399 X 48 X 212mm	• 325 X 49 X 102mm

Weight: 1-4kg

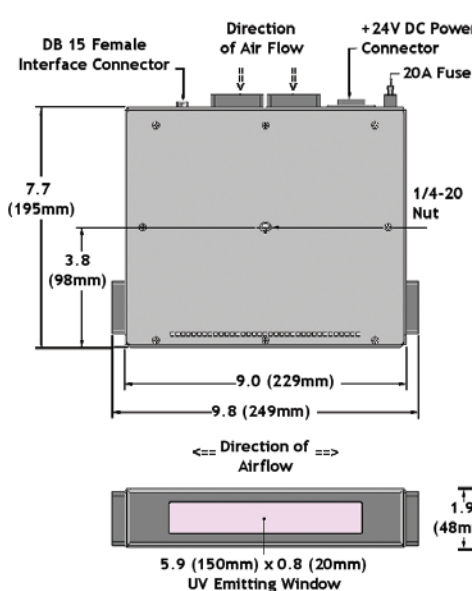
Electrical/Power Supply: 100-240VAC

Safety/Environmental:

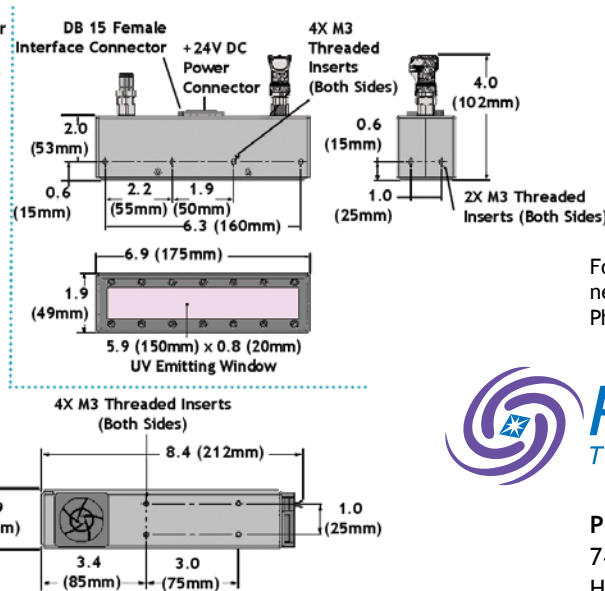
- Mercury Free
- No damaging UV wavelengths
- No ozone produced
- Class 3b product
- CE Compliant

PRODUCT DIMENSIONS

RX Starfire 150 Air Cooled



RX Starfire 150 Water Cooled



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.