

# Phoseon Technology UV LED Flood Curing Lamps



## Description

**Phoseon Technology** is the world leader in UV LED curing solutions for printing, coating and adhesive applications. They pioneered the use of LEDs for UV curing in both commercial and industrial applications, offering equipment manufacturers high performance curing technology that provides maximum UV energy, superior performance, and high reliability for demanding applications. Phoseon UV LED flood curing lamps primarily use 395nm wavelength, but can also be built with other wavelength diodes such as 365nm, 385nm, 405nm and 410nm. The peak intensity and total energy of a UV LED source is relatively more important for UV cure performance than the specific peak wavelength. Phoseon provides patented TargetCure<sup>®</sup> technology and WhisperCool<sup>®</sup> technology to deliver rugged, high-performance products for application specific solutions.

See below for specifications and details of air cooled systems. **Water cooled UV LED flood curing systems** are also available, [contact our team for more information](#) about these products.

## Features & Benefits

- High intensity
- Different wavelengths available
- Water or air cooled, no external cooling required
- Instant on, instant off
- Simple integration

# Phoseon Technology UV LED Flood Curing Lamps



## FireFly



- Air cooled
- Peak intensities up to 8W/cm<sup>2</sup>
- For small areas and spot cure applications
- For curing of adhesives, inks, electronic materials and biomedical materials

# Phoseon Technology UV LED Flood Curing Lamps



	Emitting Window Size (mm)	Peak Irradiance @ Wavelength
FireFly UV LED Curing Lamp	25 x 10	1.5W/cm <sup>2</sup> @ 365nm 2W/cm <sup>2</sup> @ 385/395/405nm 4W/cm <sup>2</sup> @ 385/395/405nm
	25 x 20 50 x 20 75 x 20 150 x 20	1.5W/cm <sup>2</sup> @ 365nm 4W/cm <sup>2</sup> @ 385/395/405nm 8W/cm <sup>2</sup> @ 385/395/405nm
	25 x 25	1.5W/cm <sup>2</sup> @ 365nm 1.5W/cm <sup>2</sup> @ 395nm

# Phoseon Technology UV LED Flood Curing Lamps



- Air cooled
- Peak intensities up to 20W/cm<sup>2</sup>
- Capable of curing at the highest speeds for small, medium and grand format digital printing systems
- For many large single pass UV inkjet and wood coating applications

Emitting Window Sizes(mm)	Peak Irradiance @ Wavelength
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# Phoseon Technology UV LED Flood Curing Lamps



	Emitting Window Sizes(mm)	Peak Irradiance @ Wavelength
FireJet FJ100 UV LED Curing Lamp	75 x 20 150 x 20 225 x 20 300 x 20	6W/cm <sup>2</sup> @ 365nm 8W/cm <sup>2</sup> @ 385/395/405nm 12W/cm <sup>2</sup> @ 385/395/405nm
FireJet FJ200 UV LED Curing Lamp	75 x 20 150 x 20 225 x 20 300 x 20 375 x 20	8W/cm <sup>2</sup> @ 365nm 12W/cm <sup>2</sup> @ 385/395/405nm 16W/cm <sup>2</sup> @ 385/395/405nm
FireJet FJ240 UV LED Curing Lamp	75 x 40 150 x 40 225 x 40 300 x 40	12W/cm <sup>2</sup> @ 385/395/405nm
FireJet FJ601 UV LED Curing Lamp	225 x 20 300 x 20 375 x 20 450 x 20 525 x 20	16W/cm <sup>2</sup> @ 395nm

# Phoseon Technology UV LED Flood Curing Lamps



	Emitting Window Sizes(mm)	Peak Irradiance @ Wavelength
FireJet FJ605 UV LED Curing Lamp	225 x 20 300 x 20 375 x 20 450 x 20 525 x 20 600 x 20 675 x 20	16W/cm <sup>2</sup> @ 395nm 20W/cm <sup>2</sup> @ 395nm
FireJet FJ800 UV LED Curing Lamp	100 x 100	0.6W/cm <sup>2</sup> @ 365nm 1W/cm <sup>2</sup> @ 385/395/405nm

## FireEdge

# Phoseon Technology UV LED Flood Curing Lamps



- Air cooled
- Peak intensities up to 8W/cm<sup>2</sup>
- For pinning and curing of inks, coatings and adhesives

Emitting Window Sizes (mm)	Peak Irradiance @ Wavelength
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# Phoseon Technology UV LED Flood Curing Lamps



	Emitting Window Sizes (mm)	Peak Irradiance @ Wavelength
FireEdge FE400 UV LED Curing Lamp	80 x 10 120 x 10 160 x 10 180 x 10 240 x 10	4W/cm <sup>2</sup> @ 365nm 8W/cm <sup>2</sup> @ 395nm
FireEdge FE300 UV LED Pinning Lamp	75 x 10 110 x 10	3W/cm <sup>2</sup> @ 365nm 5W/cm <sup>2</sup> @ 385/395/405nm
FireEdge FE200 UV LED Pinning Lamp	75 x 10 110 x 10	1W/cm <sup>2</sup> @ 365nm 2W/cm <sup>2</sup> @ 385/395/405nm
FireEdge FE100 UV LED Pinning Lamp	80 x 10 180 x 10 240 x 10	2W/cm <sup>2</sup> @ 385/395/405nm

Supplied by:

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