

# OmniCure®

UV Curing • In Control

## OmniCure AC9150/P, AC9225/P, AC9300/P

High Power UV LED  
Curing Systems for  
Adhesives, Coatings and Inks



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Outstanding optical performance to provide high irradiance at varying working distances

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Superior uniformity with the ability to adjoin multiple UV LED heads

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Exceptional process control to achieve repeatable curing results

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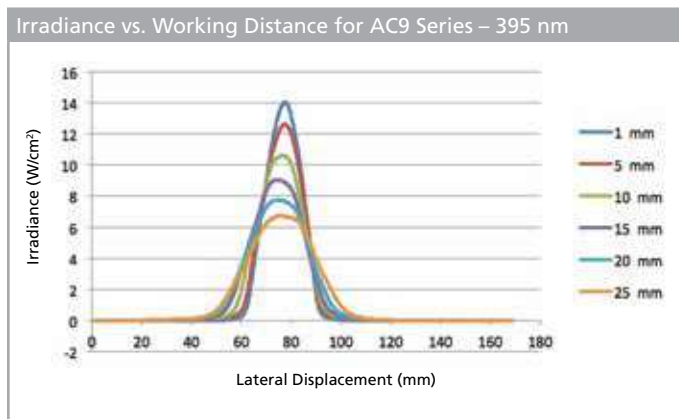
Compact air-cooled UV LED design for ease of integration

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**EXCELITAS**  
TECHNOLOGIES®

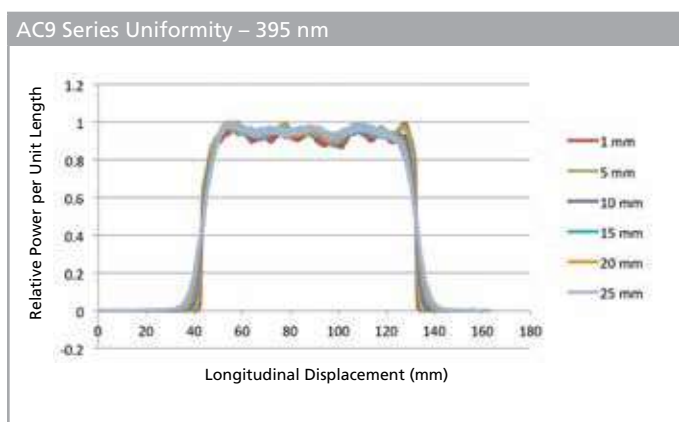
## Outstanding Optical Performance

The OmniCure® AC9150, AC9150P, AC9225, AC9225P, AC9300 and AC9300P air-cooled UV LED curing systems are designed with advanced front-end optics to provide high power, high peak irradiance and exceptional uniformity at different working distances. The systems deliver 14 W/cm<sup>2</sup> peak irradiance for fast, even curing at long working distances. P versions of the AC9 Series have enhanced optics to optimize the dose for short working distances along with a removable window for easy cleaning to support print applications. By adapting the output to support the process requirements of the industry, the new AC9 Series' product portfolio can be applicable for a range of varying applications with different process needs.



## Superior Uniformity

The OmniCure AC9 Series utilizes a patented process for addressing individual UV LED module outputs, and providing exceptional uniformity over the entire curing area. Multiple UV LED heads can be adjoined while maintaining optical uniformity between each system. The flexibility to achieve larger curing areas in a variety of customizable lengths enables manufacturers to improve throughput without compromising on performance.



## Exceptional Process Control

For a repeatable curing process, precise control of the UV irradiance level and time ensures that the correct dose of UV energy is provided on every exposure. System error detection notifies users for as low as 1% faulty LEDs to ensure process repeatability. Intelligent system monitoring and control ensures system reliability meets the demands of any application.

## Ease of Integration

OmniCure UV LED curing systems utilize air-cooled LED technology in a compact design allowing for seamless integration into new or existing production lines. The innovative design eliminates the need for costly retooling, external cooling or ozone extraction. The curing systems can also be mounted in any orientation for greater flexibility. External mechanical and optical accessories are also available upon request.

## Mechanical Drawings

Mechanical drawings are available upon request. To find out more about the OmniCure AC Series of UV LED curing solutions, please visit [www.excelitas.com/omnicure](http://www.excelitas.com/omnicure)

## Technical Specifications

	AC9150/AC9150P	AC9225/AC9225P	A9300/AC9300P	
LED Peak Wavelengths	395 nm			
Active Optical Area	150 x 25 mm	225 x 25 mm	300 x 25 mm	
Power Consumption*	1058 W	1587 W	2116 W	
Typical Peak Irradiance (W/cm <sup>2</sup> )	395 nm			
Working Distance	1 mm	14	14	14
	5 mm	12.6	12.6	12.6
	10 mm	10.6	10.6	10.6
	15 mm	9.06	9.06	9.06
	20 mm	7.7	7.7	7.7
	25 mm	6.7	6.7	6.7
Optical Power*	365 W	574 W	730 W	
Longitudinal Uniformity*	Better than +/-10%			
Operating Voltage	48 V DC ± 2 V			
Dimensions (L x W x H)	159 x 80 x 218 mm	235 x 80 x 218 mm	311 x 80 x 218 mm	
Weight (kg)	1.8	2.7	3.6	
Cooling	Air			
Life Expectancy	> 20,000 hours			
Automation	Integrated PLC controls for UV intensity and system alarms			
LED Warranty	2 years or 10,000 service hours			

\*At 100% intensity setting