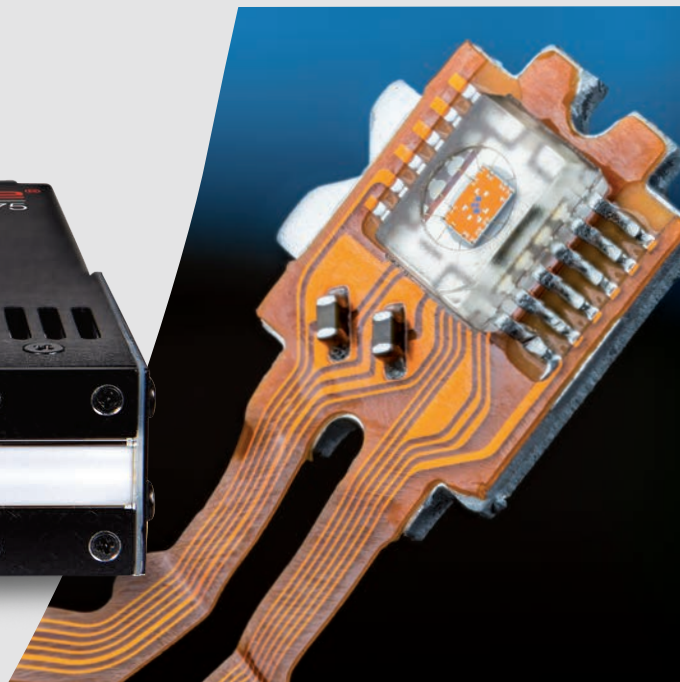


OmniCure AC275 and AC2110

Compact UV LED Curing
Systems for Inks, Coatings
and Adhesives



Compact air-cooled UV LED design for ease of integration

Outstanding optical performance to provide maximum irradiance

Superior uniformity with the ability to adjoin multiple UV LED heads

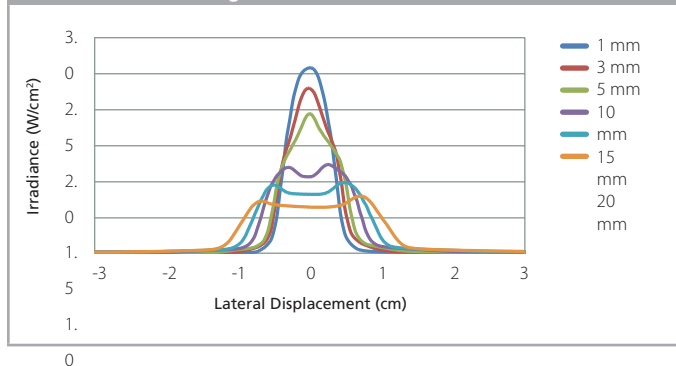
Exceptional process control for repeatable curing results



Outstanding Optical Performance

The OmniCure® AC275 and AC2110 air-cooled UV LED curing systems are designed with advanced front-end optics to provide high peak irradiance and exceptional uniformity. The standard AC2 systems provide a reduced output angle from typical LED systems, ideal for printing applications, to help eliminate back reflection of the light to the print heads. Customized optics are available to maximize the irradiance for longer working distances. All AC2 Series come with a flat outer surface that allows for easy cleaning and replacement for ongoing maintenance. By adapting the output to support the process requirements of the industry, the new AC2 Series product portfolio can be applicable for a range of varying applications with different process needs.

Irradiance vs. Working Distance for AC2 Series – 395 nm



Ease of Integration

OmniCure AC2 Series UV LED curing systems utilize air-cooled LED technology to provide high irradiance in a very compact design allowing for seamless integration into new or existing print systems or production lines. 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 on our website. To find out more about the OmniCure AC Series of UV LED curing solutions, please visit www.excelitas.com/omnicure

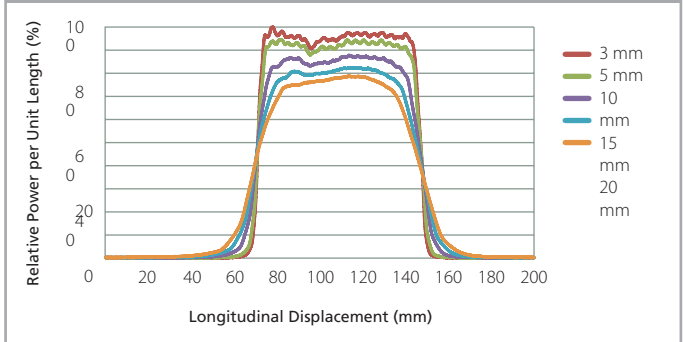
Exceptional Process Control

For a repeatable curing process, precise control of the UV irradiance level and exposure time ensures that the correct dose of UV energy is provided every time. Intelligent system monitoring and control ensures system reliability meets the demands of any application. Multiple wavelengths are available to match the requirements of the material to be cured.

Superior Uniformity

The OmniCure AC2 Series is designed to provide exceptional optical uniformity to help ensure a highly consistent curing process for a wide range of applications.

AC2 Series Uniformity – 395 nm



Technical Specifications

		AC275	AC2110
LED Peak Wavelengths		395 nm ± 5 nm, 365 nm ± 5 nm	
Active Optical mm		6 x 76 mm	6 x 114
Area			
Typical Peak Irradiance		395 nm	
(W/cm²)			
Working Distance	3 mm	2.5	
	5 mm	1.9	
	10 mm	1.2	
	15 mm	1.0	
	20 mm	0.8	
Optical Power*		13 W	19 W
Longitudinal Uniformity*		Better than ± 10%	
Operating Voltage		48 V DC ± 2 V	
Dimensions mm		79 x 29 x 129 mm	117 x 29 x 129
(L x W x H)			

*At 100% output setting
Note: All measurements are taken using the EIT PowerPuck II radiometer with UVA2 filter.



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