

## OmniCure UV LED MAX Heads

### Superior LED Irradiance & Flexibility for UV Spot Curing

Offers high peak irradiance at 365nm, 385nm, and 400nm wavelengths

Low power consumption solution for UV manufacturing processes

Increased flexibility with a wide range of interchangeable focusing lenses and accessories

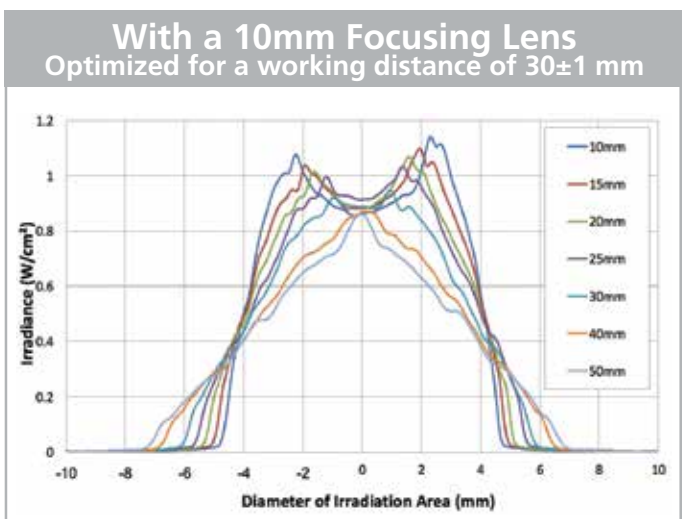
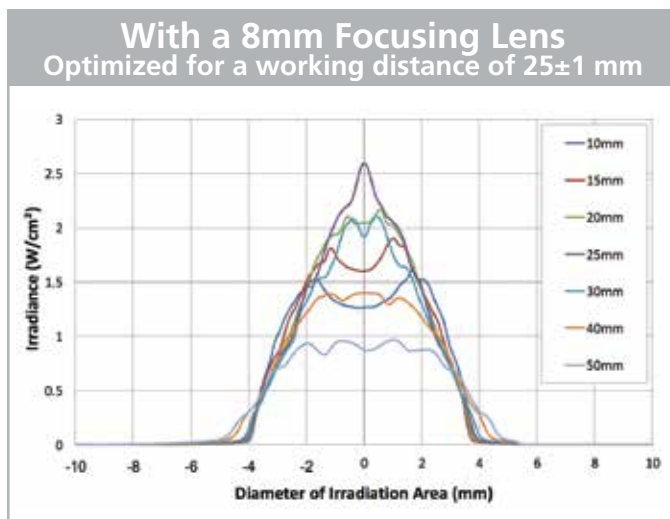
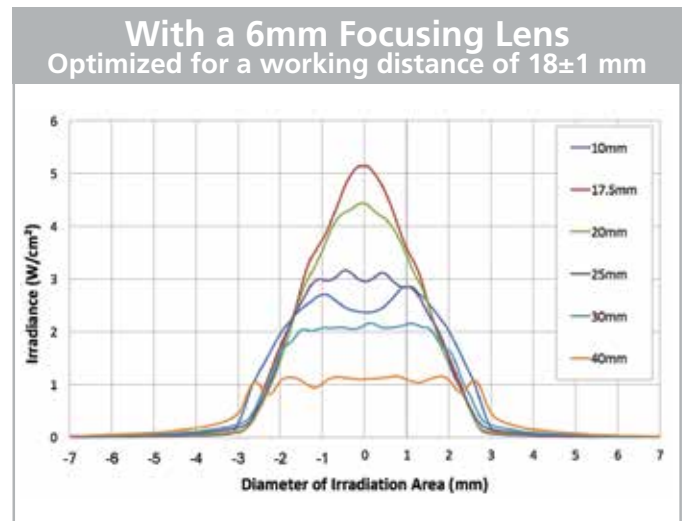
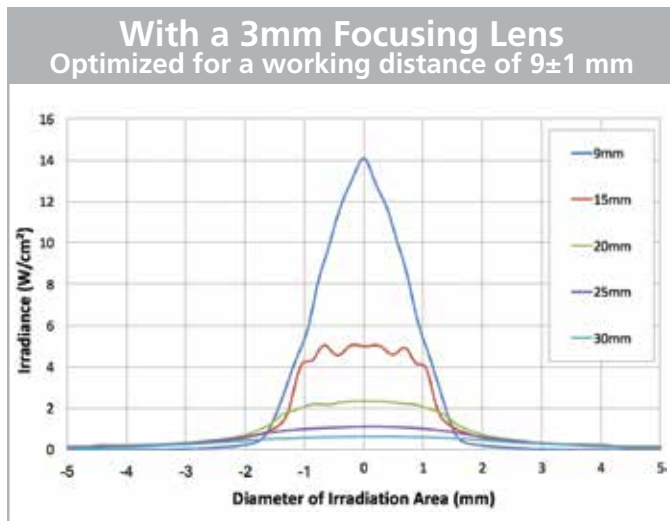
Improved locking connector designed for easier installation



# UV LED MAX Heads are specially designed to reduce manufacturing costs!

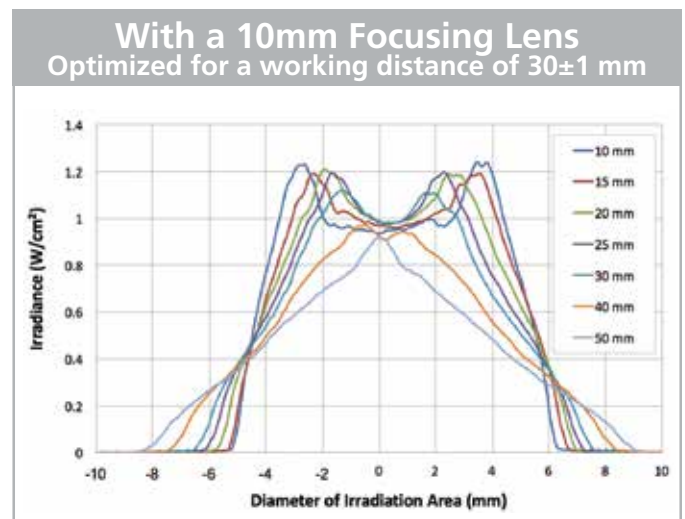
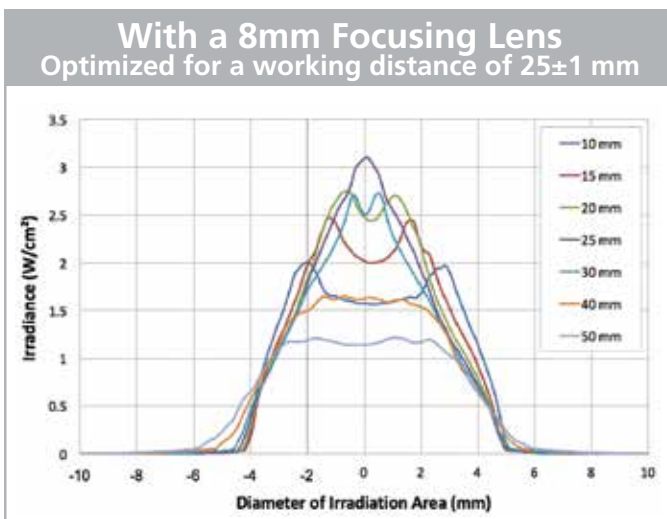
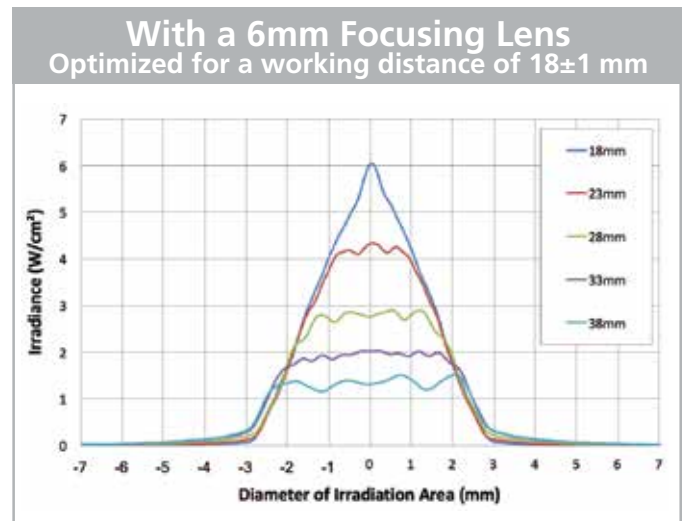
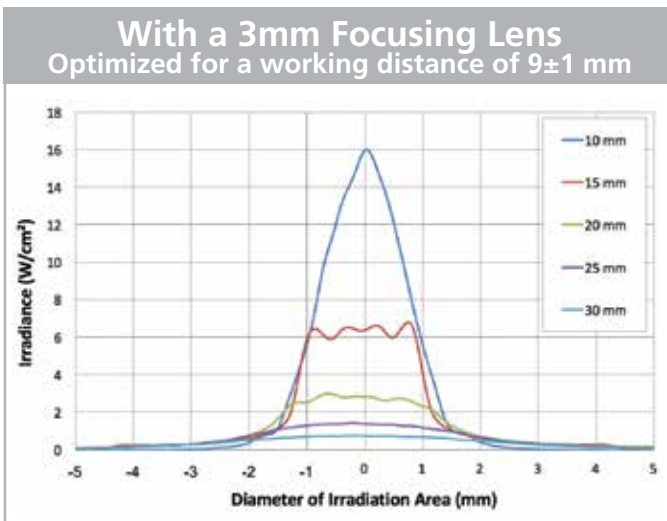
OmniCure® UV LED MAX heads for use with the OmniCure LX500 are specially designed to reduce manufacturing costs through fast UV curing rates, high power efficiency and superior control with monitoring capabilities. The innovative design of the UV LED MAX heads offers superior thermal management by means of a copper core and optimized aluminum heat sink used to extract and dissipate internal heat generated by the LED, allowing enhanced air cooling efficiency in even the most challenging manufacturing environment.

## Beam Profiles – 365nm



FEATURES	BENEFITS
<p>Latest UV LED technology to provide high irradiance at different wavelengths:</p> <ul style="list-style-type: none"> <li>• 14 W/cm<sup>2</sup> (typical) at 365nm</li> <li>• 16W/cm<sup>2</sup> (typical) at 385nm</li> <li>• 9W/cm<sup>2</sup> (typical) at 400nm</li> </ul>	<p>Reduces manufacturing costs with faster curing times and higher power efficiency</p>
<p>Ultra-cool UV LED heads</p>	<p>Long UV LED head lifetime, improved power efficiency and low cost of ownership</p>
<p>Patented Intelli-Lamp® technology for real-time monitoring of LED temperature and number of hours of operation</p>	<p>Maximizes UV LED head power efficiency, long-term reliability and lifetime</p>
<p>Locking HDMI Connector</p>	<p>Designed for easy installation</p>

## Beam Profiles – 385nm



## GENERAL SPECIFICATIONS

UV LED Light Wavelength	365nm   385nm   400nm
Typical Peak Irradiance	14   16   9W/cm <sup>2</sup> respectively with 3mm lens*
Typical LED Lifetime	20,000 hours**
LED Temperature Monitoring	LED temperature monitoring and over temperature protection by patented Intelli-Lamp® technology
LED Lifetime Monitoring	LED number of hours of operation monitored by patented Intelli-Lamp technology
Cable Included with the Head	Length: 1 meter (Extension cables also available: 1m, 3m and 10m)
Head Dimensions	Head outside diameter: 12mm Long head length: 125mm (available in 365/385 nm only) • Short head length: 55mm
Light Source	LED Class, Risk Group 3
Certifications & Safety Standards	RoHS compliant and meets CE requirements
Warranty	Guarantee of 10,000 hours or 3 years, whichever comes first.

\* Typical Maximum Irradiance Variation: +/- 20% (as specified by the LED device manufacturer)

\*\* With 100% initial output at 25°C temperature and secured to standard installation clamp. This data is for reference only.



[www.excelitas.com](http://www.excelitas.com)  
omnicure@excelitas.com

2260 Argentia Road  
Mississauga, Ontario  
L5N 6H7 CANADA  
Telephone: +1 905 821-2600  
Toll Free (USA and CAN): +1 800 668-8752  
Fax: +1 905 821-2055