

# OmniCure® LX400+ Accessories

## 365nm UV LED MAX Heads

The Latest UV LED Technology Providing 9,500mW/cm<sup>2</sup> at 365nm  
Essential for Accelerating your Assembly Manufacturing Processes.

The OmniCure® UV LED MAX Heads have been specially designed to reduce UV bonding manufacturing costs through faster curing times, higher power efficiency and superior control with monitoring capabilities. The innovative design of the UV LED MAX Heads offers superior heat dissipation capability by using copper metal to extract internal heat from the LED and external aluminum fins to increase air cooling. In the most rigid manufacturing conditions, the OmniCure® UV LED MAX Heads ensure a longer lifetime and minimize costly maintenance downtime resulting in maximum reliability and low cost of ownership.

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Offers high maximum irradiance level at 9,500mW/cm<sup>2</sup> (typical) currently available from a 365nm UV LED with a 3 mm focusing lens

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Delivers a maximum irradiance of 15% greater than the existing generation of UV LED heads

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Low power consumption solution for UV curing manufacturing processes

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Compatible with the LX300, LX400 and LX400+ controllers; a wide range of focusing lenses (3mm, 6mm, 8mm, 10mm, and 12mm) and accessories (extension cables: 1m, 3m and 10m; mounting clamps) to meet our customers' specific needs.

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FEATURES	BENEFITS
<b>9,500mW/cm<sup>2</sup> typical maximum irradiance (with 365nm UV LED MAX head and 3mm lens)</b>	Reduces UV bonding manufacturing costs with faster curing time and higher power efficiency
<b>Ultra-cool UV LED heads</b>	Longer UV LED head lifetime, improved power efficiency and lower cost of ownership
<b>Real time monitoring of LED temperature and number of hours of operation - Patented Intelli-Lamp® Technology</b>	Maximizes UV LED head power efficiency, long term reliability and lifetime.



**LUMEN DYNAMICS**  
PUTTING YOU IN CONTROL

**OmniCure®**  
UV Bonding • In Control

# OmniCure® 365nm UV LED MAX Heads

## GENERAL SPECIFICATIONS

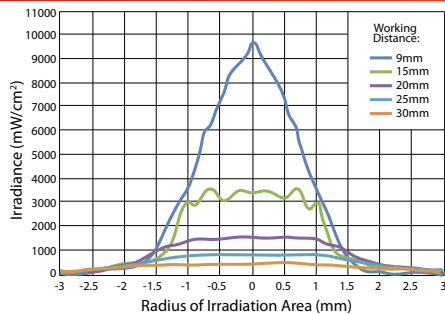
<b>UV LED Light Wavelength</b>	<b>365nm</b>
<b>Typical Maximum Irradiance</b>	<b>9,500mW/cm<sup>2</sup> with 3mm lens*</b>
<b>Typical LED Lamp Lifetime</b>	<b>20,000 hours**</b>
<b>LED Temperature Monitoring</b>	<b>LED temperature monitoring and over temperature protection by patented Intelli-Lamp® technology</b>
<b>LED Lifetime Monitoring</b>	<b>LED number of hours of operation monitored by patented Intelli-Lamp® technology</b>
<b>Cable Included with the Head</b>	<b>Length: 1 meter (Extension cables also available: 1m, 3m and 10m)</b>
<b>Head Dimensions</b>	<b>Head outside diameter: 12mm Long head length: 130mm Short head length: 55mm</b>
<b>Light Source</b>	<b>LED Class, Risk Group 2</b>
<b>Certifications &amp; Safety Standards</b>	<b>RoHS compliant and meets CE requirements</b>
<b>Warranty</b>	<b>10,000 hours or 3 years, whichever comes first.</b>

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

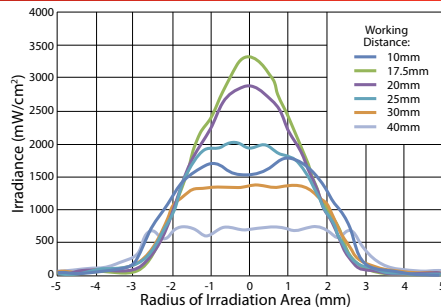
\*\* With 100% initial output at 25°C ambient temperature and secured to standard installation clamp. This data is for reference only.

## Beam Profiles

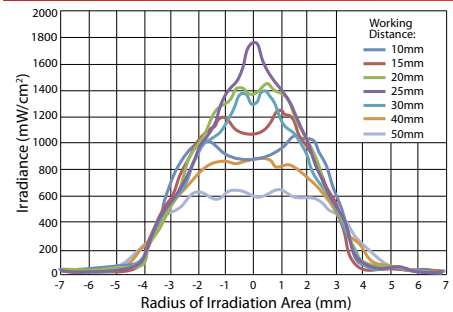
With a 3mm Focusing Lens  
Optimized for a working distance of 9±1mm



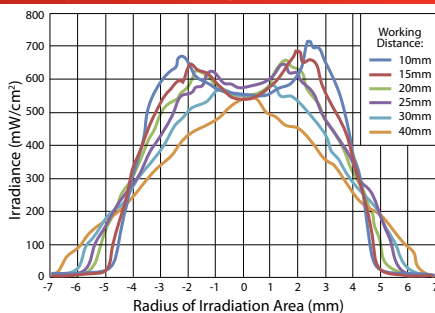
With a 6mm Focusing Lens  
Optimized for a working distance of 18±1mm



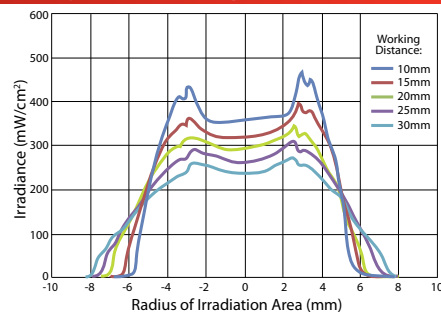
With a 8mm Focusing Lens  
Optimized for a working distance of 25±1mm



With a 10mm Focusing Lens  
Optimized for a working distance of 25±1mm



With a 12mm Focusing Lens  
Optimized for a working distance of 20±1mm



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

## Ordering Guideline

ITEM	PART NUMBER
UV LED MAX Head (long)	010-00274R
UV LED MAX Head (short)*	010-00275R
Head Mounting Clamp	P019-00087R

\* Short (55mm) UV LED MAX heads are sold with a Head Mounting Clamp.



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For a detailed look at our application solutions visit: [www.LDGI-OmniCure.com/applications.php](http://www.LDGI-OmniCure.com/applications.php)

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