

# OmniCure® LX180

## Enhancing Productivity with Minimal Downtime and Higher Yields

The OmniCure® LX180 UV LED spot curing system introduces a new powerful way for manufacturers to achieve highest productivity with increased manufacturing efficiency and minimal downtime in a most cost-effective way. The LX180 allows manufacturers the ability to ensure optimal production up-time and improve process efficiency through innovative remote monitoring and control capabilities over their UV curing systems and managed from a workstation via their IT network. Process engineers are able to easily pre-configure, monitor and adjust their UV LED systems entirely via remote access offering greater flexibility and ease while enhancing productivity.



### A cost-efficient solution offered in a small compact size for easy integration and maximum flexibility.

Faster, more efficient curing through high UV LED output with maximum irradiance of 12,400 mW/cm<sup>2</sup>

Maximum flexibility and ease of use delivered in a small compact size

Higher process efficiency with quick set-up times via remote control and configuration adjustments

Increased productivity and minimal downtime through network-enabled remote monitoring

Reduced operational costs with instant On/Off and low power consumption

High yields via low temperature curing

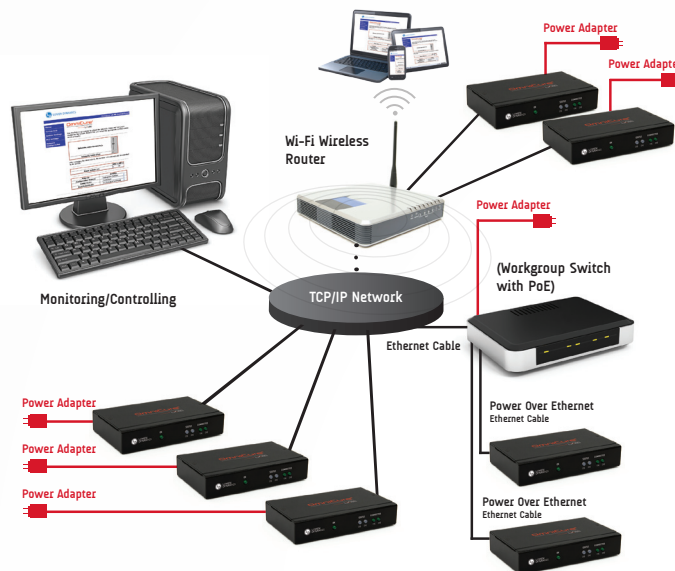


**OmniCure®**  
UV Bonding • In Control

The small compact OmniCure® LX180 UV spot curing system is simple to integrate with new or existing production lines giving users maximum flexibility and reduced operational costs. The LX180 offers the ability to achieve superior UV bonding with faster, more efficient curing through high power UV output with a maximum irradiance of 12,400 mW/cm<sup>2</sup>. The LX180 is simple to use with pre-set exposure times and can easily adapt to specific curing time requirements for use with a variety of UV adhesives through its learning mode.

Specifications	
<b>Connectable heads</b>	1 to 2 individual heads
<b>LED indicators</b>	System status; LED status (CH1 and CH2); LED connection status (CH1 and CH2)
<b>Four selectable modes by DIP switch settings</b>	1. Intensity Setting: 100% or 60% setting 2. Foot pedal: independent/parallel control 3. Learn mode: Exposure set-up via foot pedal/ PLC connector 4. Count Up/External Timer Mode; Count Down/Internal Timer Mode
<b>Irradiance level via Ethernet</b>	15%-100%
<b>Activation mode</b>	Foot pedal, PLC and Ethernet
<b>Foot pedal</b>	Foot pedal control to start/stop LED emission
<b>External PLC</b>	Exposure trigger signal acknowledgement and alarm indication
<b>Ethernet remote function</b>	Remote access via web interface for system control (HTTP) Ability to trigger exposures via the Ethernet network ModBus Protocol for full PLC control via TCP communications Password protected user login/access to set/ adjust parameters for: 1. Exposure time 2. LED intensity 3. Foot pedal mode 4. Count Up/Count Down mode 5. All DIP switch settings TCP/IP suite to permit device find functionality and Windows GUI SMTP email notification upon fault detection
<b>Web GUI display</b>	Temperature and status of each connected UV LED head
<b>Operating voltage</b>	Controller supply input: 12VDC, 1.5A (max); Input to AC adaptor: 100-240VAC, 50/60HZ
<b>Power of Ethernet (PoE)</b>	48V-57V, 350mA-300mA, Class 0
<b>Ambient temperature/ Humidity range</b>	15°C to 35°C at 10 to 85% relative humidity non-condensing for the individual heads
<b>Storage temperature/ Humidity range</b>	-10°C to 60°C at 10 to 85% relative humidity non-condensing for the individual heads

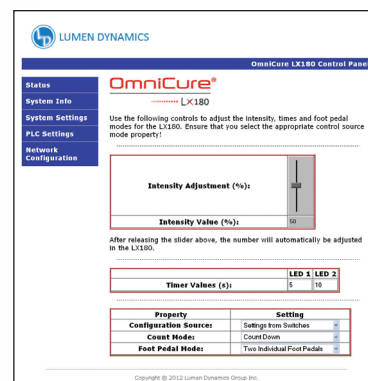
### Network-enabled Options



### Dimensions (Back & Front)



### GUI Screen Shot



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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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