

The Next Generation UV LED Spot Curing Solution for Automated Manufacturing

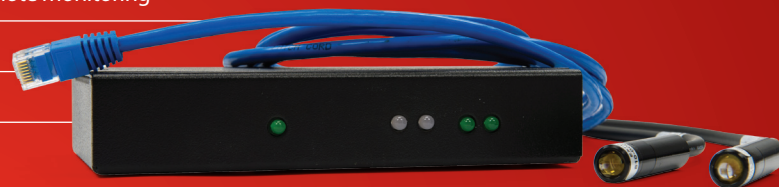
OmniCure® LX180

The OmniCure® LX180 defines the next generation of UV LED spot curing systems and introduces a new powerful way for manufacturers to achieve highest cost-efficiency and optimal production up-time. Designed with innovative Ethernet capabilities, manufacturers are now able to remotely monitor and control production lines from a workstation via their IT network. The LX180 allows process engineers to easily pre-configure, monitor and adjust their UV LED systems entirely via remote access allowing them to enhance productivity with faster set-up times and minimal downtime.



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

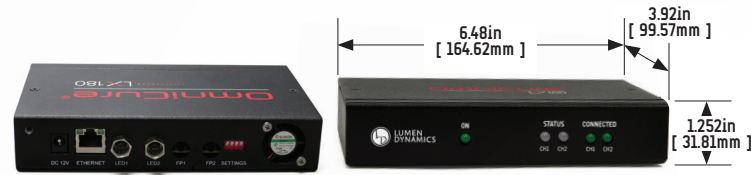
- Faster, more efficient curing through high UV LED output with maximum irradiance of 12,400 mW/cm²
- Maximum flexibility and ease of use offered by a small compact size
- Higher process efficiency with quick set-up times via remote control and configuration adjustments
- Increased productivity and minimal downtime through network-enabled remote monitoring
- Reduced operational costs with instant On/Off and low power consumption
- High yields via low temperature curing



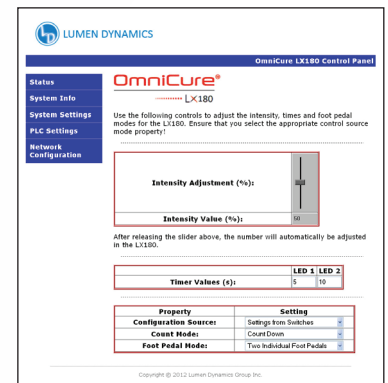
The small compact OmniCure® LX180 UV spot curing system is simple to integrate with new or existing production lines giving users maximum flexibility and reduced operational costs. The LX180 allows manufacturers to achieve superior UV bonding with faster, more efficient curing providing high power UV output with a maximum irradiance of 12,400 mW/cm². The LX180 comes with pre-set exposure times for ease of use, as well as a learning mode that provides greater flexibility to accommodate curing time requirements for a variety of UV adhesives.

| Specifications | |
|---|--|
| Connectable heads | 1 to 2 individual heads |
| LED indicators | System status; LED status (CH1 and CH2); LED connection status (CH1 and CH2) |
| Four selectable modes by DIP switch settings | Intensity Setting (100% or 60% setting, Foot pedal independent/parallel control; Learn mode (exposure set-up via foot pedal/ PLC connector); Count Up/External Timer Mode; Count Down/Internal Timer Mode |
| Irradiance level via Ethernet | 15%-100% |
| Activation mode | Foot pedal, PLC and Ethernet |
| Foot pedal | Foot pedal control to start/stop LED emission |
| External PLC | Exposure trigger signal acknowledgement and alarm indication |
| Ethernet remote function | 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 |
| Web GUI display | Temperature and status of each connected UV LED head |
| Operating voltage | Controller supply input: 12VDC, 1.5A (max); Input to AC adaptor: 100-240VAC, 50/60HZ |
| Power of Ethernet (PoE) | 48V-57V, 350mA-300mA, Class 0 |
| Ambient temperature/ Humidity range | 15°C to 35°C at 10 to 85% relative humidity non-condensing for the individual heads |
| Storage temperature/ Humidity range | -10°C to 60°C at 10 to 85% relative humidity non-condensing for the individual heads |

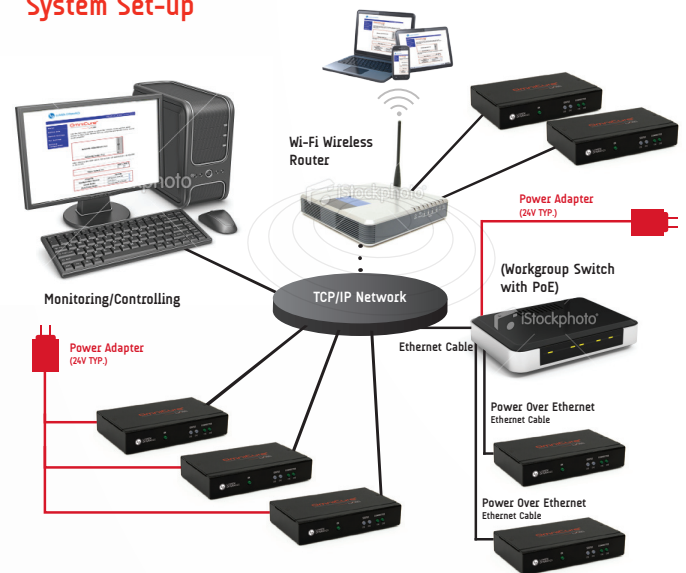
Dimensions (Back & Front)



GUI Screen Shot



System Set-up



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For a detailed look at our application solutions visit: www.LDGI-OmniCure.com/applications.php

Lumen Dynamics Group Inc. is certified under the globally recognized ISO 9001 Quality Management System and the ISO 14001 Environmental Management System. Our global customers can trust that Lumen Dynamics strives to be the best possible supplier in all aspects of our business.

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