UV LED Curing Solutions

Product Overview

Phoseon Technology provides patented and proprietary LED curing solutions that offer high-performance and long lifetime. The Company is 100% focused on LED technology and provides worldwide sales and support capabilities.

Company
- In-house R&D
- Internal Manufacturing
- Thermal Management
- Custom Optics

Products
- Optimized Performance
- Rugged & Reliable
- Extensive Portfolio
- Long Lifetime

Solutions
- Patented Technologies
- Application Specific
- Engineering & Maintenance Services
- Scalable Lengths

Phoseon LED Curing Technology
Phoseon utilizes its semiconductor, solid-state background to develop solutions. Our products combine LED arrays, advanced optics, thermal management, and electronic control to provide simple integration and trouble-free operation. Phoseon is an ISO 9001 certified corporation with over 2 million hours of internal LED lifetime testing.

www.phoseon.com
<table>
<thead>
<tr>
<th>Product Name</th>
<th>Emitting Window (mm)</th>
<th>Peak Irradiance (W/cm²) @ Wavelength (nm):</th>
<th>UV Power (Per 25mm Length)</th>
<th>Key Features</th>
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<tbody>
<tr>
<td><strong>FireJet™</strong></td>
<td></td>
<td>365</td>
<td>385/395/405</td>
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</tbody>
</table>
| FJ100        | 75                   | 150                               | 225                      | 300          | 20 x 20 | 6 | 12 | 45W | **Air-cooled** | • **TargetCure®** technology  
• **WhisperCure®** technology  
• Scalable  
• Digital/analog control  
• Small form factor |
| FJ200        | 75                   | 150                               | 225                      | 300          | 375     | 20 x 20 | 12 | 20 | 69W | **Air-cooled** | • **TargetCure®** technology  
• **WhisperCure®** technology  
• Scalable  
• High irradiance  
• Digital/analog control |
| FJ240        | 75                   | 150                               | 225                      | 300          | 375     | 40 x 20 | 8  | 16 | 130W | **Air-cooled** | • **TargetCure®** technology  
• **WhisperCure®** technology  
• Scalable  
• High dose  
• Digital/analog control |
| FJ605        | 300                  | 375                               | 450                      | 525          | 600     | 675     | 20 x 20 | N/A | 20 | 100W | **Air-cooled** | • **TargetCure®** technology  
• **WhisperCure®** technology  
• High irradiance  
• Modbus/Analog Control  
• Flexographic applications |
| FJ801        | 100 x 100            | 1.0                               |                           |              | 1.7     | 42W     |              | **Air-cooled** | • **TargetCure®** technology  
• Scalable  
• Exceptional Uniformity  
• Separate controller  
• Area curing applications |
| **FireEdge™**|                      |                                   |                          |              |         |         |              | **Air-cooled** | • **TargetCure®** technology  
• **WhisperCure®** technology  
• Full cure  
• Optics Options  
• Analog control  
• Small form factor |
| FE410        | 80                   | 120                               | 160                      | 180          | 240     | 10 x 10 | 6  | 10 | 20W | **Air-cooled** | • **TargetCure®** technology  
• **WhisperCure®** technology  
• Full cure  
• Optics Options  
• Analog control  
• Small form factor |
| FE100        | 80                   | 120                               | 180                      | 240          |         | 10 x 10 | N/A | 2  | 3W  | **Air-cooled** | • **TargetCure®** technology  
• Natural Convection Cooling  
• Thin Form Factor  
• Analog Control  
• Pinning and Gelling |
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<td>FL440</td>
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<td>• Digital/analog control</td>
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<td>• High performance curing applications</td>
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<td>FL400</td>
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<td>• Small form factor</td>
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<td><strong>FirePower™</strong></td>
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<td>FP601</td>
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<td>24*</td>
<td>100W</td>
<td>• High irradiance</td>
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<td>350</td>
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<td></td>
<td>• Modbus/analog control</td>
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<td>• Flexographic applications</td>
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<td>*24W/cm² not available on 600, 675mm sizes</td>
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Phoseon products are available in custom configurations for unique applications. Emitting window specifications refer to the dimensions (L x W). Irradiance measurements are taken at the emitting window. Phoseon systems are CE, RoHS, and REACH compliant.
Innovative Technology

Phoseon pioneered and patented Semiconductor Light Matrix (SLM)™ technology driving high-power UV LED technology to manufacture environmentally clean, cool operating, and highly efficient ultraviolet curing products.

Our components are strictly engineered into a system that provides maximum UV energy, controlled curing intensity, and superior performance for demanding applications including those using heat-sensitive and thin substrates.

TargetCure™ @ WhisperCure™

Building on the SLM foundation are the patented TargetCure™ and WhisperCure™ technologies. TargetCure technology delivers precise, stable and consistent curing. WhisperCure offers a low-sound solution with increased UV output.

UV LED vs Mercury Wavelength

Stay Ahead with Phoseon

More than 300 patents and trademarks
Surpassing 70,000 hours of operational life
Shipped over 100,000 units worldwide
2 million hours of SLM lifetime testing
Thorough HALT testing process
ISO certified company