FireJet™ FJ800
Area Curing Solution

Product Brief

Phoseon Technology is the world leader in developing UV LED-based curing systems. Phoseon’s patented Semiconductor Light Matrix (SLM)™ technology encapsulates LEDs, arrays, optics and cooling to maximize curing performance. The FJ800 Solution consists of UV light source, controller and cables.

High Performance

Up to 100W UV power over 100mm x 100mm area with > 90% uniformity

Operational Efficiency

Simple and intuitive controller supports up to 6 light sources

Scalable

Place light sources side-to-side to cover larger areas

Application Markets

- Touch Panel/LCD/OLED
- Mobile Phone Assembly
- Micro Speakers
- Camera Modules

www.phoseon.com
**Light Source**

<table>
<thead>
<tr>
<th>UV Wavelength</th>
<th>365nm</th>
<th>395nm</th>
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</thead>
<tbody>
<tr>
<td>Peak Irradiance*</td>
<td>0.6 W/cm²</td>
<td>1 W/cm²</td>
</tr>
<tr>
<td>Total Output Power*</td>
<td>60W</td>
<td>100W</td>
</tr>
<tr>
<td>UV Footprint</td>
<td>100mm x 100mm</td>
<td></td>
</tr>
<tr>
<td>Uniformity*</td>
<td>&gt;90%</td>
<td></td>
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<tr>
<td>Noise Level</td>
<td>&lt;60dBA</td>
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</table>

*At the working distance of 10mm to 20mm from substrate to light source glass.

**Controller**

- Intuitive graphical interface
  - On/off/fault
  - UV Timer: 1 to 600 seconds
  - Intensity Control: 5% to 100%
- Individual control for up to 6 light sources
- 3 Access Levels: Operator, Supervisor & Service
- Fault signal output for line notification
- Manual/automatic external control available

USB Port: Store and upload settings
Lock for Supervisor & Service access
Color display, Indicators of UV ON/OFF, Intensity, and Timer for individual light sources
Timer Off for continuous operation
Intensity & timer control knobs
Air-Flow: in/out on top
Scalable in all directions
High power, uniform output