

FireJet™ FJ800 Area Curing Solution

Product Specifications

Phoseon UV LED SLM™ Technology

Phoseon Technology is the world leader in providing UV LED solutions for commercial and industrial applications. Phoseon's products deliver superior performance and real-world reliability for UV curing of adhesives, coatings and inks.

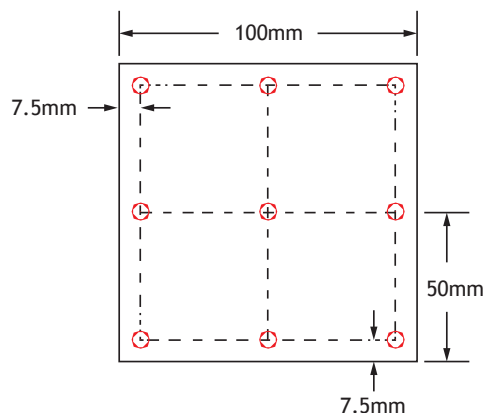
Phoseon's patented Semiconductor Light Matrix (SLM™) technology encapsulates LEDs, arrays, optics and cooling to maximize UV LED curing performance. The FJ800 Area Curing Solution consists of UV light source, controller, and cables. It is optimized for electronic manufacturing production lines with large area curing applications, such as micro speakers, camera modules, and flat panel displays.



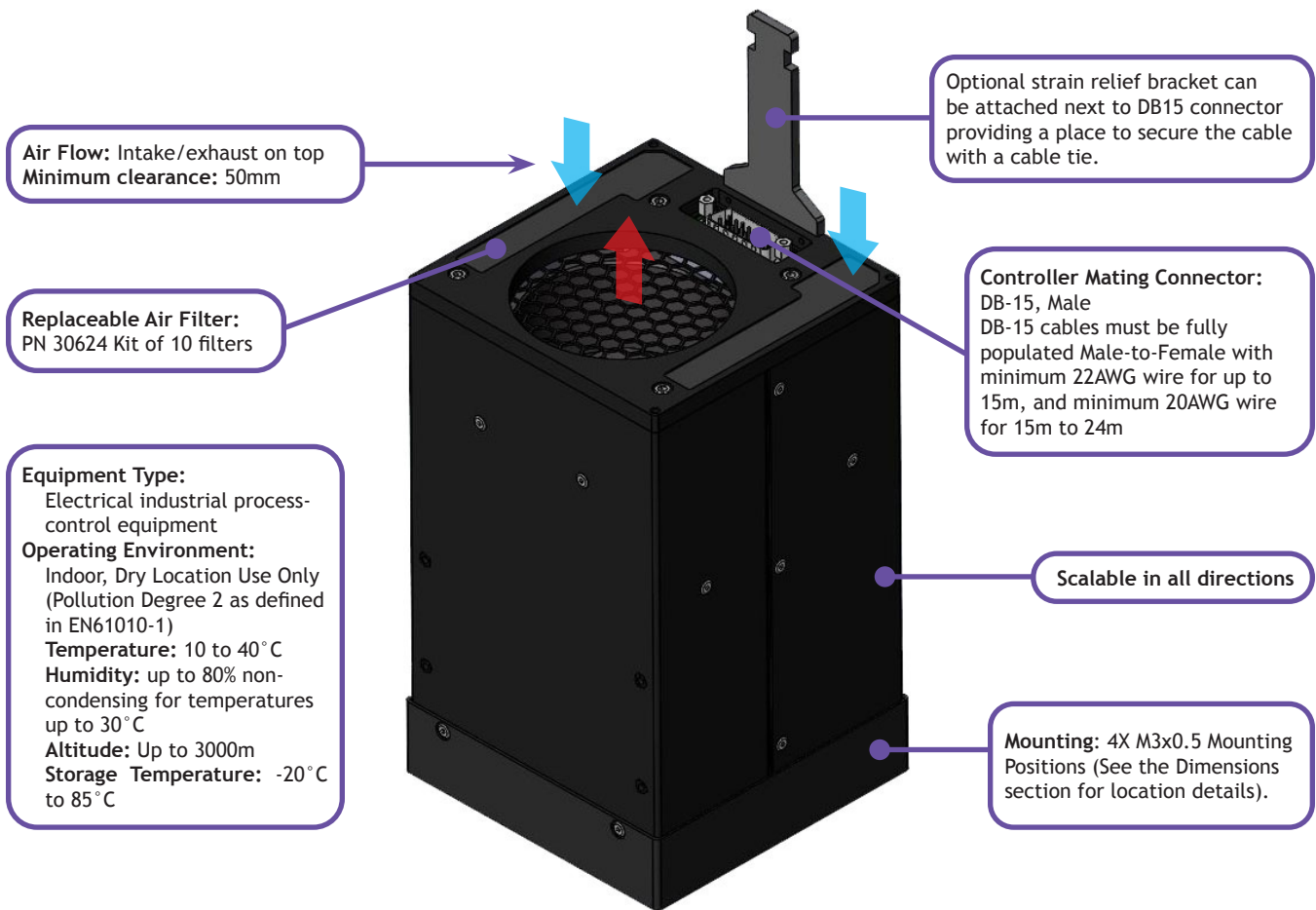
Performance

	365nm	395nm
Peak Irradiance*	0.6 W/cm ²	1 W/cm ²
Total Output Power*	60W	100W
UV Footprint	100mm x 100mm	
Uniformity*	>90%	
Noise Level	<66dBA	

*At the working distance of 10mm to 20mm from substrate to light source glass. Uniformity is measured at nine different spots, shown below.



Light Source Setup

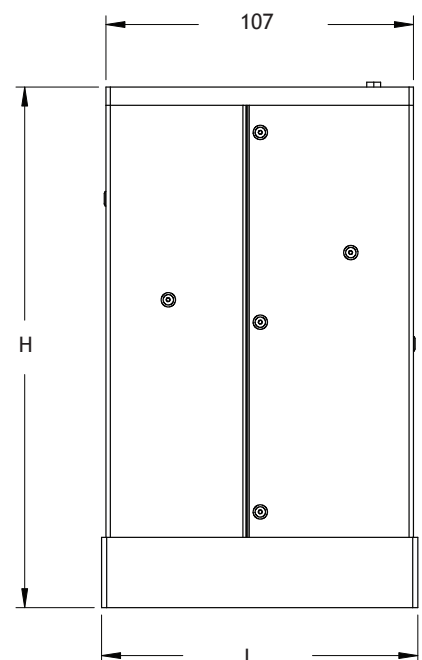
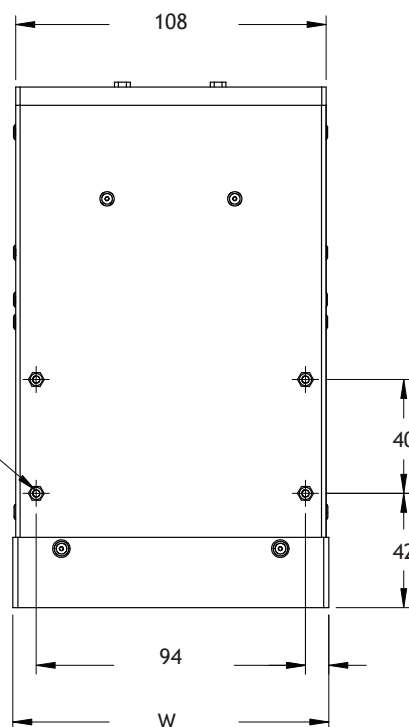


Light Source Dimensions

Units of measurement: mm

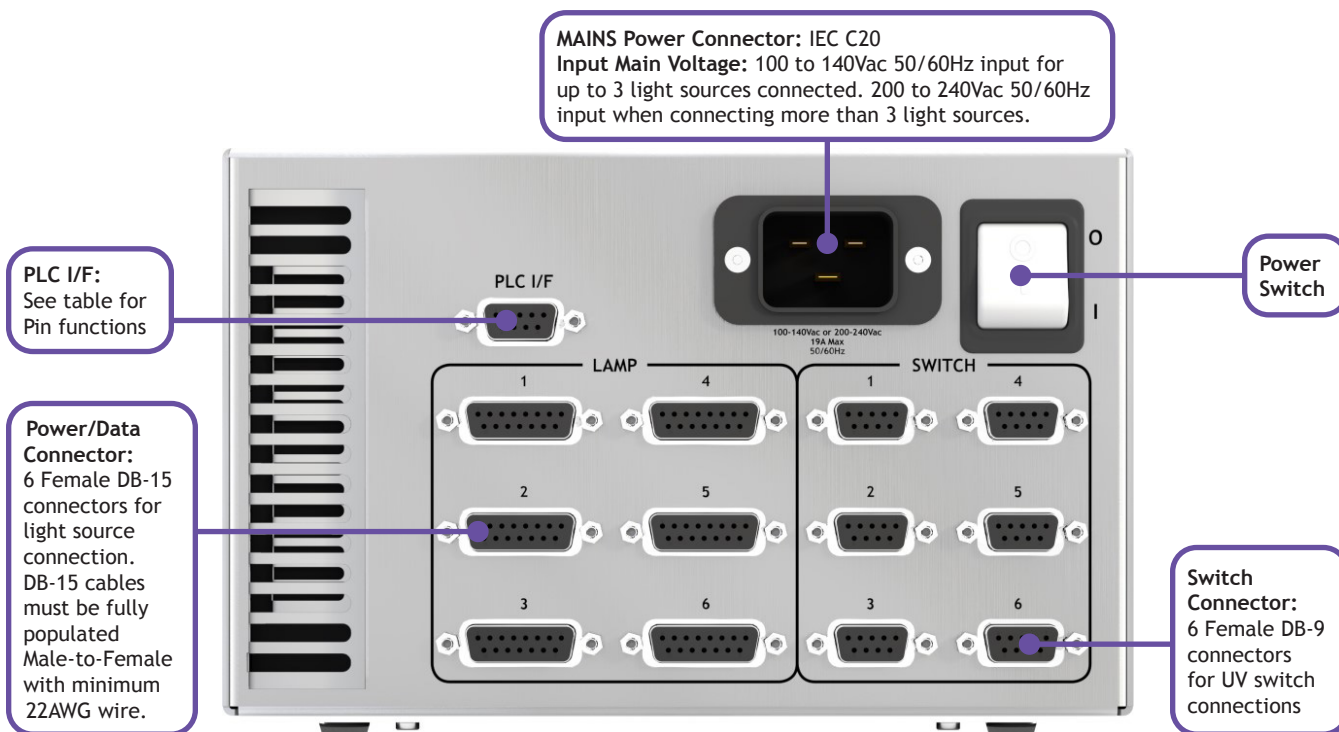
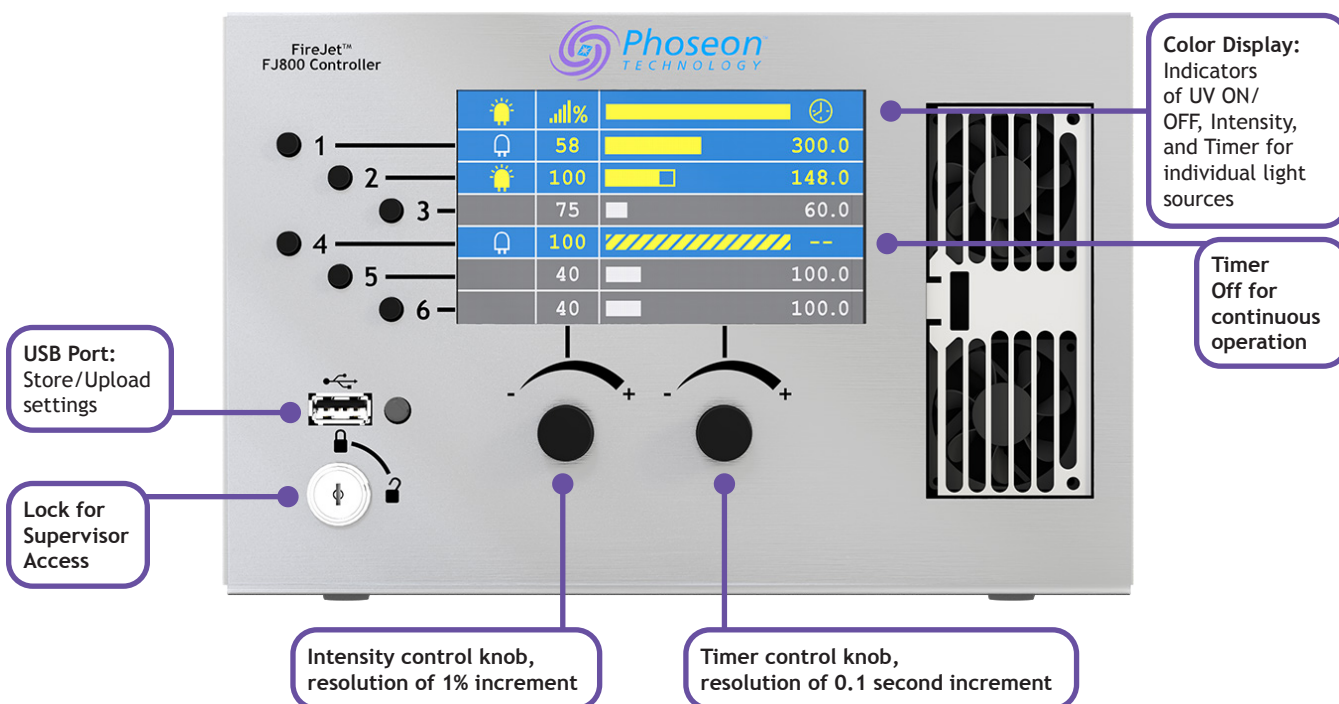
FJ800 Light Source	
UV Emitting Window	100x100
L	110
W	110
H	184
Weight (kg)	1.1

Mounting Holes
4X M3x0.5
(both sides)



Controller Setup

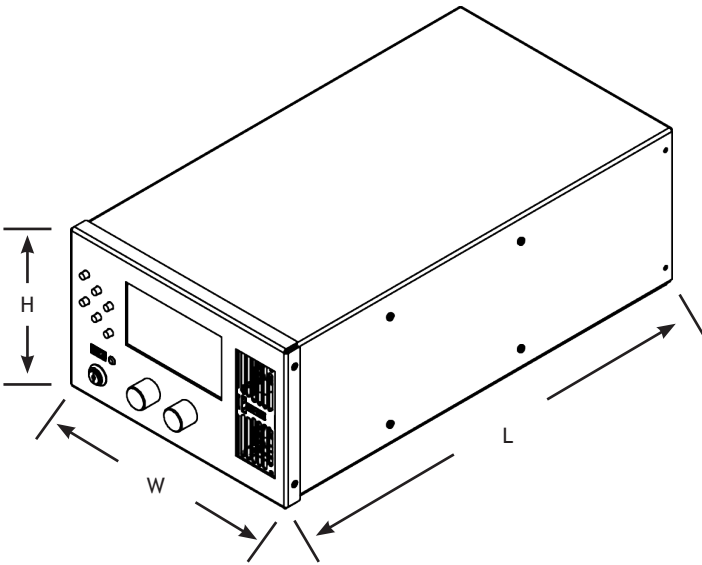
- Intuitive graphical interface
 - On/off/fault
 - UV Timer: 0.1 to 600.0 sec, continuous
 - Intensity Control: 5% to 100%
- Individual control for up to 6 light sources
 - 4 Access Levels: Operator, Supervisor, Service and Statu
 - Fault signal output for line notification
 - Manual/automatic external control available



Controller Dimensions

Units of measurement: mm

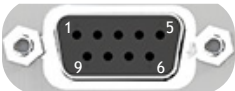
FJ800 Controller	
L	410
W	216.4
H	139.8
Weight (kg)	4.2



Cables & Connectors

Power/Data Cable	Connect Light Source to Controller
• Connectors	DB-15 connectors, Male-to-Female
• Length	1.5-meter, 3-meter, 7.5-meter, 15-meter, 24-meter optional
• Gauge	20 AWG
Power Cord	Connects Controller to AC Outlet
• Connector	IEC C20 mating with C19 power cord plug
• Length	2.5-meter
• Gauge	14 AWG
Switch Input	Connects External Input to Controller
• Connector	DB-9 connector, Female

Switch Connector



DB-9 Switch Pinout (Female)	
1 to 6	N/C
7	Single Light Source Enable
8	N/C
9	Ground

PLC I/F	
1 to 6	Pull Pin high to enable corresponding light source UV
7	N/C
8	Open collector pulled to high if no fault. Pulled low if fault present. Note: An external resistor must be connected from Pin 8 to +24Vdc. Phoseon recommends a 2.4kohm ½W resistor.
9	Ground