Industrial Laser System for Material Processing

Flux S Series

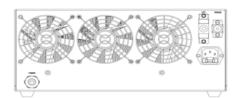### Features
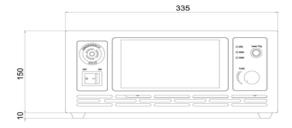
- Small size
- High efficiency
- Great power
- Long product life

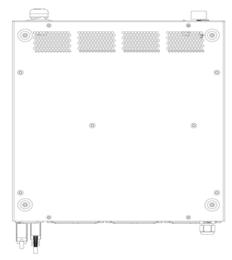### Applications

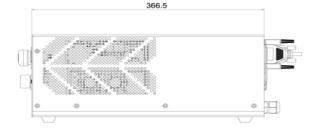- Laser soldering
- Plastic welding
- Material surface treatment

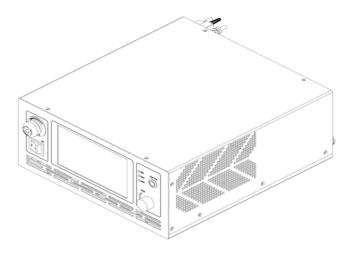## Product Dimensions (mm)

335

150

10

366.5

Remark: The structure drawing is for reference only. Please feel free to contact us for any special requirements.

Product Specifications

Product Code		**FLX000011**	**FLX000012**
Part No. [1]		FL-Flux-S150SA-915-F200-5	FL-Flux-S150SA-976-F200-5

General Data	Unit	Value	
Dimensions (height × width × depth)	mm	160 × 335 × 366.5	160 × 335 × 366.5
Max. Weight	kg	≤ 25	≤ 25

Optical Data			
Output Power [2]	W	150	150
Power Stability	%	± 2	± 2
Wavelength	nm	915	976
Wavelength Tolerance	nm	± 10	± 10
Optical Efficiency	%	≥ 45	≥ 45
Red Light Power	mW	10	10
Fiber Diameter	µm	200	200
Numerical Aperture	-	≤ 0.22	≤ 0.22
Fiber Length [3]	m	5	5
Fiber Winding Diameter	mm	≥ 40	≥ 40
Connector Type	-	SMA905	SMA905

Electrical Data			
Operating Mode	-	CW/QCW	CW/QCW
Modulation Frequency	Hz	≤ 20K	≤ 20K
Operating Voltage	VAC	220 - 240	220 - 240
Operating Frequency	Hz	50	50
Operating Current	A	16	16
Rise/Fall Time	µs	≤ 20	≤ 20
Response Time	µs	≤ 10	≤ 10
Control Mode	-	Via Touch Screen	Via Touch Screen
Max. Power Consumption [4]	W	≤ 500	≤ 500

Thermal Data			
Operating Temperature	°C	5 ~ 40	5 ~ 40
Storage Temperature	°C	- 20 ~ 65	- 20 ~ 65
Operating Humidity	%rh	10 - 80	10 - 80
Chiller Type	-	Air	Air

[1] Part No. = Brand Code - Series & Power - Wavelength - Fiber Diameter - Fiber Length

[2] Unless otherwise specified, the laser power is measured at 25℃.

[3] The fiber length can be customized according to the customer needs.

[4] The Max. power consumption includes laser power consumption and temperature control module power consumption.

! DANGER !
VISIBLE AND INVISIBLE LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION !
CLASS IV LASER PRODUCT

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Focuslight Technologies Inc.