

XWS-30 compact light source

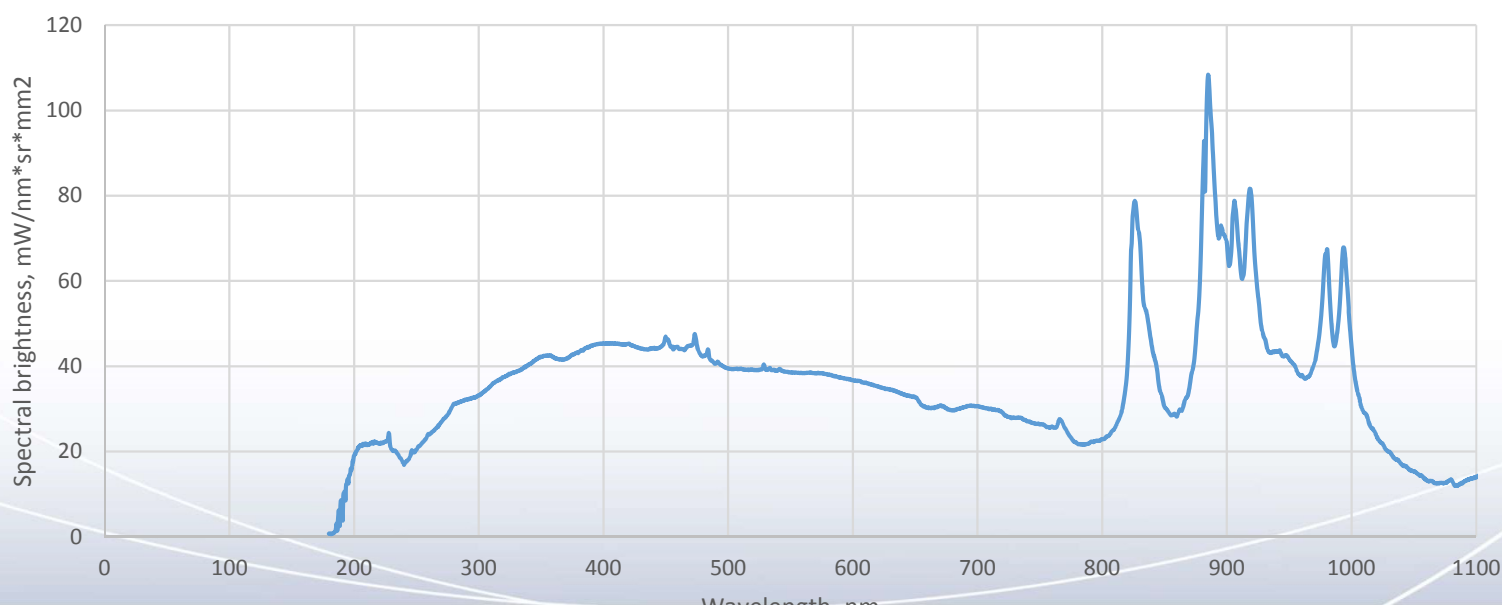


ISTEQ's XWS-30 light source product has been specially developed for those customers, who needs super compact broadband light source with low heat dissipation, keeping the plasma brightness high.

Special features:

- Unique concept of a compact **"all in one"** source
- Very compact: 110x110x120mm, no external chiller
- Spectral brightness: up to 45 mW/(mm²·sr·nm)
- Output configuration: Free space or FCU
- Full control by Laptop/PC via RS485/USB

Spectral brightness of XWS-30 light source in UV and VIS spectral region



XWS-30 high power light source

Source specifications

XWS-X port performance

Spectral range	190 - 2500nm for UV configuration, 250 - 2500nm for OFR configuration
Spectral brightness	Up to 45mW/(mm ² ·nm·sr)
Output power	Up to 2 W free space per port Up to 0.3 W via fiber per port
Lamp medium	Xenon
Emitting body size	100×250um
Lifetime	10,000 hours
Temporal and spatial stability	STD < 0.15%

Optical design

Output NA by default	0.4, up to 0.55 upon request
External optic interface by default	C-mount
Optional output interface:	Thorlabs SM1, 30mm cage and more
Fiber interface (only for FCU version)	SMA or FC

Optional configurations

Source spectrum	UV or Ozone free
Light output	Free space or fiber coupled
Optical head cooling unit	Air cooling

Additional

Connection to PC/Laptop	COM-port (RS485) or USB
Interlock	Lemo FG

System dimensions and weight

Optical head	110 × 110 × 120mm, 2kg
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Facility requirements

Electrical	100-240V, 50/60Hz
Gas purging (only for UV configuration)	Nitrogen or Argon purging, 1l/min