Gloria 150 W Xenon Lamp Light Source GLORIA-X150A, 200–2500 nm, 46 mm Beam

Model GLORIA-X150A · waveqvanta.com/products/gloria-x150a-150-w-xenon-lamp-light-source

150 W xenon arc lamp source with a sun-like 6000 K spectrum for spectroscopy, photochemistry and solar simulation.



The Gloria 150 W xenon light source uses a high color temperature (6000 K) arc lamp whose UV and visible output closely resembles sunlight, with some xenon emission lines in the near-IR. It produces a 46 mm output beam at an optical axis height of 157–193 mm, has external lamp adjusters for positioning the arc, and runs from a regulated arc lamp power supply with 7–9 A adjustable current.

Key features

- Spectral range 200–2500 nm (UV range with the UV-enhanced lamp)
- 46 mm output beam at 157–193 mm optical axis height
- Optional rear spherical reflector increases output by up to 60%
- Precise external lamp adjusters place the arc for fiber or slit illumination
- Fan-cooled housing that supports a wide range of accessories
- Power supply with 7–9 A adjustable current, ≤0.05% current ripple and 1% light output ripple
- Three 150 W xenon lamp options: LSB-X150AOFR, LSB-X150AUV (UV-enhanced) and LSB-X150

Specifications

Lamp Type	150 W xenon arc lamp
Color Temperature	6000 K
Spectral Range	200–2500 nm
Output Beam Diameter	46 mm
Optical Axis Height	157–193 mm
Cooling	Fan-cooled housing
Rear Reflector	Optional, increases output by up to 60%
PSU Input Voltage	110/220 V AC ±10%
PSU Power	150 W
Adjustable Current	7–9 A
Current Ripple	≤0.05% (at 8.5 A)
Ignition Voltage	> 20 kV
Light Output Ripple	1% (at 8.50 A)
GLORIA-X150A Includes	Lamp housing and power supply; xenon bulb not included
UV Lamp Note	LSB-X150AUV is UV enhanced (200–2500 nm); vent ozone to the outside

Model overview

Lamp Model	Power (W)	Voltage (V)	Current (A)	Lifetime (h)	Flux (lm)	Intensity (cd)	Luminance (cd/mm^2)	Luminous Area (mm)	Lamp Size L × D (mm)
LSB-X150AOFR	150	17.5	8.5	3000	2900	290	200	0.5 × 1.6	127 × 20
LSB-X150AUV	150	20	7.5	3000	3000	300	150	0.5 × 1.7	127 × 20
LSB-X150	150	18	8.5	1000	3200	320	—	0.8 × 2.0	127 × 20

Typical applications

- Fluorescence, luminescence and phosphorescence
- Absorbance and reflectance measurement
- Photochemistry
- Photolithography
- Solar simulation