GLORIA-T150A / T250A Tungsten-Halogen Light Sources, 150–250 W, 46 mm Beam

Model GLORIA-T150A / GLORIA-T250A ·
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Stable VIS–NIR tungsten-halogen illumination with a 46 mm collimated beam for spectroscopy and optical testing.



These 150 W and 250 W tungsten-halogen light sources provide stable VIS–NIR output as a 46 mm collimated beam at an optical axis height of 157–193 mm. Each complete source comprises a fan-cooled lamp housing with external lamp adjusters, a regulated power supply and a halogen lamp, with a choice of UV–NIR condensing optics and an optional rear reflector.

Key features

- Stable VIS–NIR output in a 46 mm collimated beam
- Optical axis height 157–193 mm
- Precise external lamp adjusters position the filament for fiber and slit illumination
- Choice of UV–NIR condensing optics; supports a wide range of accessories
- Built-in cooling fan keeps the lamp within its permitted operating temperature
- Optional rear spherical reflector increases output by up to 60%
- Regulated power supplies with 0.05% current ripple and 110/220 V AC input

Specifications

Spectral Region	VIS–NIR
Collimated Beam Diameter	46 mm
Optical Axis Height	157–193 mm
Lamp Power	150 W (GLORIA-T150A), 250 W (GLORIA-T250A)
Lamp Voltage	24 V
Cooling	Built-in fan
Rear Reflector	Optional, up to 60% more output
PSU Output Current	0–6.5 A (LSP-T150A), 0–10.8 A (LSP-T250A)
PSU Output Voltage	0–25 V
PSU Current Ripple	0.05%
PSU Input Voltage	110/220 V AC ±10%
Lamp Surface Temperature	Up to 900 °C in operation; cool-down up to 15 min
Safety	Emits some UV, hazardous at high wattage; wear protective eyewear

Model overview

Model	Power (W)	Housing	Power Supply	Lamp	Lamp Current (A)	Flux (lm)	Color Temp. (K)	Lamp Life (h)
GLORIA-T150A	150	LSH-T150A	LSP-T150A	LSB-T150	6.25	3200	3200	2000
GLORIA-T250A	250	LSH-T250A	LSP-T250A	LSB-T250	10.5	9000	–	300

Typical applications

- Monochromator and spectrometer slit illumination

- Fiber-coupled broadband illumination
- VIS–NIR transmission and reflection measurement
- Broadband source for spectral response setups