

ASBN-W High power Tungsten-Halogen Light Source Series

- Provides optimal illumination to monochromators
- Offers excellent color temperature stability
- Features adjustable constant voltage power supply
- Contains focusable fused silica lens and UV protected Al coated mirror assembly

Optimum Illumination for Your Monochromator

The ASBN-W high power tungsten-halogen series are complete light source assemblies with 50W/75W/100W/150W tungsten-halogen lamps that emit in the 300 to 2600 nanometer (nm) wavelength region. They have been designed to transfer the maximum possible illumination from a tungsten-halogen lamp to Digikröm monochromators. The tungsten-halogen lamps of the ASBN-W high power series are near blackbody sources of light with fused silica envelopes around the lamp filaments.

The housing contains a 1" UV grade fused silica lens (f#/1.2) and UV protected Al coated mirror (f = 12.5mm) assembly selected for optimum coupling to the monochromator or the fiber, a regulated power supply and a cooling fan. The power supply provided with the ASBN-W high power series is a DC voltage regulated power supply.

Please click [here](#) to view the manual for this light source.

Feature	Value				
Lamp:	Power input	Light output	Color Temp.	Life Time	Filament size
	50W	900 lumens	3,000 °K	2,000 hours	4.2mm X 2.5mm
	75W	1,400 lumens	3,000 °K	2,000 hours	5.0mm X 1.6mm
	100W-H	3,000 lumens	3,400 °K	50 hours	5.3mm X 3.0mm
	100W-L	2,000 lumens	3,000 °K	2,000 hours	5.2mm X 2.3mm
	150W-H	6,000 lumens	3,400 °K	50 hours	6.2mm X 3.1mm
	150W-L	5,000 lumens	3,200 °K	300 hours	5.8mm X 3.0mm
Housing:	Air cooling fan with a regulated power supply, 1" UV grade focusable fused silica collection lens (f#/1.2), 1" UV protected Al coated mirror (f = 12.5mm)				

	Dimension: 8" X 10" X 5"
Power Input:	Input Voltage: 85-264 VAC (110V/220V compatible) Input Frequency: 47-63Hz Inrush Current: 30A/100V, 40A/200V Over-voltage Protection: Clamp, 115-135% Current Limit: 105-150% typ, Self-reset Fold back Safety: UL / TUV / CE Oper. Temp.: 0 to 50 °C
Power Output:	Type: constant current DC VDC: 12V (24V for 150W) Max. Current: 12.5A (8.4A for 150W) Ripple/Noise (20MHz BW): 100mV Pk-Pk, typ. Regulation: $\pm 0.5\%$, typ.
Warranty:	One year
Options:	Spare lamp: ASBN-WB-050/075/100-H/100-L/150 Input power controller: ASBN-W-PV (including voltage indicator) Needed to be specify the fiber coupling or collimated output Focusing lens set for monochromator: ASBN-W-FL (1" UV fused silica lens)