

上海尖丰光电技术有限公司

ASBN-D130/230 deep UV Deuterium Light Source Assembly



- Provides maximum possible illumination
- Contains 1" quartz doublet assembly for optimum coupling
- Assures maximum stability and lifetime of lamp

Optimum UV Illumination for Fiber Optics

The ASBN-D130/230 is a [deep UV ultraviolet deuterium](#) light source for the 180-400nm (max. 160-400nm) region. It has been designed to provide the maximum possible illumination either directly or through an optical fiber.

The ASBN-D130 consists of one 30 watt deep UV deuterium lamp, a housing and a regulated power supply. The housing contains a 1" quartz doublet (f#/1.0, 1X) assembly for maximum possible illumination to the optical fiber.

The ASBN-D230 consists of two 30 watt deep UV deuterium lamps, a housing and two regulated power supplies. The housing contains two 1" quartz doublet (f#/1.0, 1X) assemblies. One is for focusing the second deuterium lamp on the first lamp and the other is for maximum possible illumination to the optical fiber. The first deuterium lamp has a "see-through" hole to allow the light from a secondary source to pass through the same light path as the first one.

The 30 watt deuterium lamp used in the ASBN-D130/230 has an average lifetime of 1,000 hours under regulated conditions. The life end is defined as the time when the UV region radiant intensity falls below 50% of its initial value or when output fluctuation exceeds 0.03%. The power supply provided with the ASBN-D130/230 is a dc current regulated one. This assures maximum stability and lifetime of the lamp.

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

Feature	Value
Lamp:	Type: Deuterium with fused silica jacket, mounted and pre-aligned. Power input: 30 Watt (nominal) per each lamp Lamp current: 300 ± 30 mA DC Average Life: 1000 hours (nominal)
Lamp Housing:	1" quartz doublet (f#/1, 1X) collection lens.

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	Convection cooled. Dimension: 6" X 5" X 10"
Power Supply:	Power input:115 vac, 50/60 Hz, 3 amps. 230 vac, 50/60 Hz, 1 amp, optional Power output: Constant current dc, 60-120vdc selectable, 300 mA DC Regulation: + 10 mA Stability: 100 ppm/°C Operating Temperature: 5-35°C
Warranty:	One year
Options:	Spare lamp (mounted and pre-aligned), Specify SM, FC, ST, CL, or CS for specific fiber couplers.