

ASB-XE-175 Xenon Fiber Optic Light Source

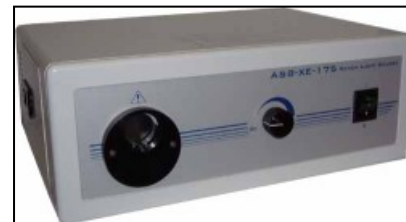
Provides optimum illumination to fiber optics for remote applications
 High intensity (5600° K) Xenon output
 Contains CERMAX® high intensity xenon lamp

Features:

High Color Temperature (5600°K)
 CERMAX® Collimated
 Xenon Lamp
 Brightness Control (0 - 100%)
 Portable and Lightweight

Applications:

Endoscopy
 Spectroscopy
 Microscopy
 Visual Inspection
 Boroscopes
 Machine Vision
 Optical Scanning
 Data and Video Projection



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Optimum Remote or Direct Illumination

The ASB-XE-175 is a compact and light weight high intensity fiber optic light source. It is especially suitable as a light source for spectroscopy, microscopy, optical scanning, medical and industrial uses, as well as for use with SP's popular Digikrom monochromators and spectrographs.

The ASB-XE-175 uses a CERMAX® compact high intensity xenon lamp, state of the art optics and a high efficiency lightweight switching power supply in one compact package.

The 175W short-arc xenon lamp provides broadband output from 200 to 2200nm (dominantly, from 250 to 1100nm). This lamp is compact, rugged, and easily focused to a liquid light guide (sold separately). The lamp efficiency is enhanced by the integral parabolic reflector which provides precision system alignment and maximum transition of light energy. Beam stability is achieved instantly following lamp ignition and the ASB-XE-175 provides instant re-ignition without an imposed time delay.

Feature	Value
Lamp:	Type: CERMAX® LX175F Power: 200 Watts (maximum) Power Range: 150-200 W Color Temperature: 5600°K Current: 14 amps DC (nominal) Average Life: Typically 1000 hours (500 hours minimum) Voltage: 12-17V (14V nominal) Trigger Voltage: 25 Kilovolts Boost Voltage: 140-200 Volts Current Leakage: < 300mA ASB-XE-175-EX: UV extended, 200nm ~ 2200nm (dominant, 250nm ~ 1100nm) ASB-XE-175-BF: Ozone blocking, 320nm ~ 700nm ASB-XE-175-BFEX: NIR extended, Ozone blocking, 320nm ~ 2200nm (dominant, 320nm ~ 1100nm)
Weight:	7.5 lbs. (3.4 kg)
Input Line:	95-136 VAC, 50/60 Hz (only)
Input Current:	3.5 amp.
Environment:	Operating: +6 to +45°C Storage: -40 to +70°C
Front Panel:	Brightness Control (0-100%) Output Aperture
Side Panel:	Main Power (On/Off) Line Cord Jack (IEC 320) (US to IEC Line Cord included) Fuse Holder - MDL-5

Caution:

Damage to glass or fused silica fiber optic lightguides can occur due to high temperatures associated with Xenon lamps. Use our liquid light guides (order separately).