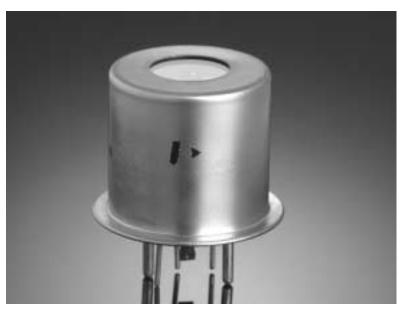


1100 Series FX-1160

High Output, Short Arc Xenon Flashlamp with Internal Reflector



Description

The FX-1160 Reflector Lamp has greater than 40% more usable light intensity than our standard FX-1150 and is completely interchangeable. PerkinElmer customers have the option of either taking advantage of the greatly increased light output or they can operate the FX-1160 at a reduced input energy. Lower energy operation equates to increased lamp life and stability.

The hemispherical reflector internal to the FX-1160 should not be confused with competitive types employing paraboloids or ellipsoids in which all of the forward direct light is nonrecoverable and becomes a serious source of optical scattering. PerkinElmer's FX-1160 has an electrode orientation which does not block the forward light emission and therefore does not cause a "black hole" in the output beam profile.

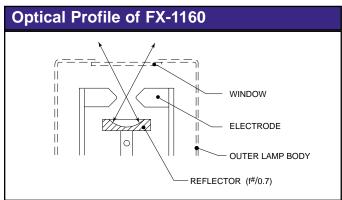
The optical design of the FX-1160 is ideal for use with lenses and fiber bundles, and provides the additional advantage of reduced optical noise by preventing back-plane scattering caused by the pin base. Applications that will benefit from this new PerkinElmer product introduction include: Absorption Spectroscopy, Fluorimetry, HPLC and Machine Vision.

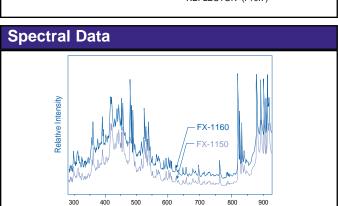
Features

- Greater than 40% more usable light intensity than FX-1150
- Ideal for use with Optical Lenses and Fiber Bundles
- · Low optical "noise"
- Continuous spectrum UV-VIS-IR
- · Long life
- · Low heat radiation
- · Microsecond flash duration
- High efficiency output in the blue
- Interchangeable with FX-1150

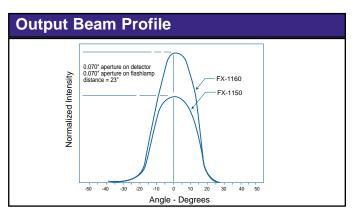


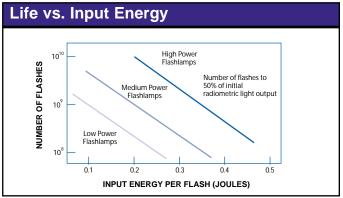
FX-1160, High Output Short Arc Xenon Flashlamp with Internal Reflector Total Spectral Flash Arc Energy Average Light Length Distribution Window per Flash Power Voltage Rate Life Output Spatial Lite-Pac Type (mm) (nm) Material (joules) (watts) (Vdc) (Hz) (flashes) Stability Movement Type FX 1160 225 - 1100+ Borosilicate 350 -300 <1% * 0.5 20 FX 1161 190 - 1100+ 1.5 U۷ FYD 1150 MAX. MAX. 1000 MAX. >1 X 10⁹ variation <0.1 mm FX 1162 120 - 1100+ VUV FX 1163 225 - 1100+ Borosilicate <1% * 350 -0.5 20 300 >1 X 10° FX 1164 3.0 190 - 1100+ MAX. MAX. 1000 MAX. variation <0.1 mm FYD 1150 FX 1165 120 - 1100+ VUV

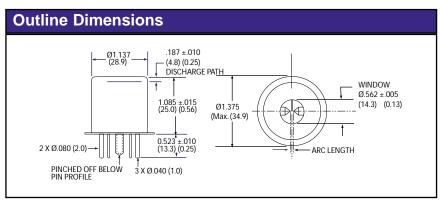




Wavelength - nanometers







For more information email us at opto@perkinelmer.com or visit our web site at www.perkinelmer.com/opto Note: All specifications subject to change without notice.

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