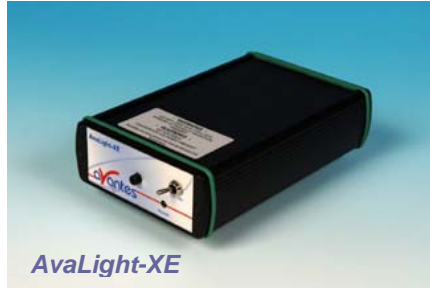


Xenon Pulsed Light Source



The **AvaLight-XE** is a xenon pulsed light source, used for UV-applications, such as fluorescence measurements. The **AvaLight-XE** needs an additional cable to be connected with the AvaSpec spectrometer (IC-DB15-2 for AvaSpec-USB1/ IC-DB26-2 for AvaSpec-USB2) to synchronize the flashes with the data taken by the spectrometer. In the AvaSoft software you can select one or multiple flashes per scan.

The **AvaLight-XE** has no internal flash generator and therefore needs to be connected to an external pulse generator, as included in the AvaSpec spectrometers. The **AvaLight-XE** is also available for deep UV applications (below 200nm) with a special DUV bulb. A Special CUV-XE direct attach cuvette holder is available for fluorescence applications. The lamp needs an extra PS12-1.0A 12VDC power converter.

Technical Specifications

Wavelength range	200 nm to 1000 nm
Total optical power output (max.)	39 μ J per pulse (average 3.9 mW)
Optical power in 600 μ m fiber	1.8 μ J per pulse (average 180 μ W)
Synchronization Input	15 pin sub D connector, TTL level
Pulse Duration	5 μ sec (at 1/3 height)
Pulse delay	6 μ sec
Pulse rate (max.)	100 Hz
Bulb Life	min. 10 ⁹ pulses
Connector	SMA-905 connector
Power requirement	12 VDC/550 mA
Dimensions	175 x 110 x 44 mm

Spectral Output AvaLight-XE

