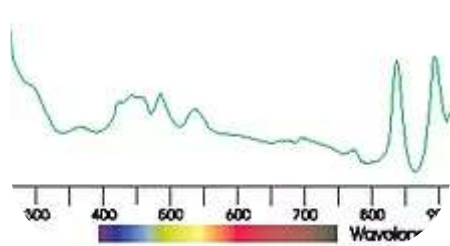




AvaLight-XE
Pulsed Xenon Light Source



The AvaLight-XE is a pulsed Xenon light source and is perfect for UV applications such as fluorescence.

When connected to your AvaSpec spectrometer through the IC-DB26-2 cable (sold separately), the flashes are synchronised with the data collected by the spectrometer. In AvaSoft the number of flashes per scan can also be selected.

With a special DUV bulb, the AvaLight-XE can be used for deep UV applications (below 200nm). A special direct attach cuvette holder is also available for fluorescence applications. For transmission measurements, the Avalight-XE can be used in conjunction with the CUV-ATT-DA which has an iris attenuator to limit the light output to avoid saturation.

Key features.....

- * Pulsed light source
- * Perfect for fluorescence
- * Cuvette holder available
- * Long lifetime

Technical data

Spectral Output	200 nm to 1000 nm
Total Optical Power output	39 µJ per pulse (average 66 mW)
Optical Power in 200 µm fibre	0.66 µJ per pulse (average 20 µW)
Optical Power in 600 µm fibre	3.2 µJ per pulse (average 320 µW)
Optical Power in 1000 µm fibre	7.4 µJ per pulse (average 744 µW)
Synchronisation Input	15 pin sub-D connector, TTL level
Pulse Duration	5 µs (at 1/3 height)
Pulse delay	6 µs
Pulse rate (max.)	100 Hz
Bulb Life	min. 109 pulses
Connector	SMA-905 connector
Power requirement	12 VDC/550 mA
Dimensions, weight	175 x 110 x 44 mm, 540 grams

Ordering information

AvaLight-XE	Xenon Light Source (200-1000 nm), needs interface cable and power supply
AvaLight-XE-DUV	DUV (160-1000 nm) version of the AvaLight-XE, needs interface cable and power supply



CUV-ATT-DA Direct-attach cuvette holder and attenuator for AvaLight-D7C/AC/LED

PS-12V/1.0A Power supply 100-240VAC/12VDC, 1.0A for AvaLight-XE

[Want to discuss your application?](#) [Need a quote?](#) [Want a demo?](#)

