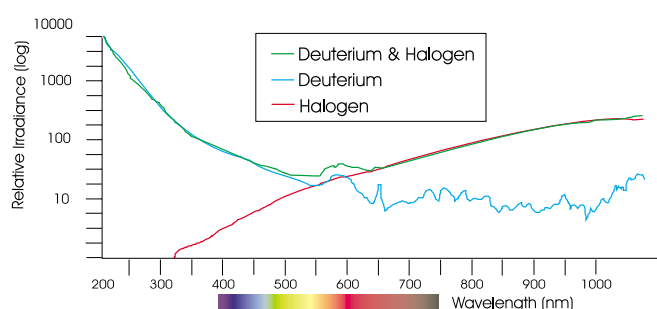


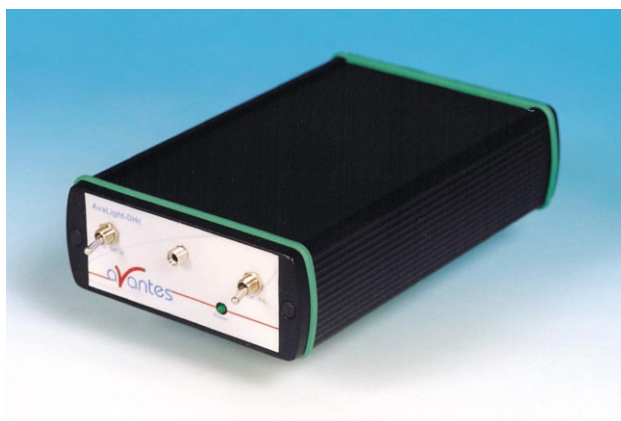
AvaLight-DHc Compact Deuterium Halogen Light Source

The AvaLight-DHc is a combined deuterium-halogen light source, to be used for UV/VIS/NIR applications. The output energy of the AvaLight-DHc is relatively low. The use is therefore recommended in transmission setup with large diameter fibers. The light source emits light from 200 to 2000 nm and has an SMA connector to easily couple into our range of fiber optics. The AvaLight-DHc has an integrated TTL shutter, that can be used for auto-save dark / lamp off in combination with AvaSoft (extra IC-DB15-2 or IC-DB26-2 needed).

Figure 7 Spectral output of AvaLight-DHc



AvaLight-DHc



Optionally, the AvaLight-DHc can be delivered in Rackmounted version, to be fully integrated in the 19" rack-mount or 9.5" desktop housing. A direct attach cuvette holder CUV-DHc (see section accessories) is available for fluorescence or absorbance measurements.

Technical Data

	Deuterium Light Source	Halogen Light Source
Wavelength Range	200 - 400 nm	400 - 2000 nm
Stability	< 1 mAU	< 1 mAU
Warm-up time	8 min	1 min
Drift	< 0.25% / h	< 0.25% / h
Optical Power in 600 μm fiber	0.2 μ Watt	7 μ Watt
Lamp Lifetime	1000 hours	2000 hours
Temp. Range	5°C - 35°C	
Power Supply	12VDC / 450mA	
Dimensions	175 x 110 x 44 mm	

ORDERING INFORMATION

AvaLight-DHc	Compact Deuterium Halogen Light Source with TTL Shutter
IC-DB15-2	Interface cable AvaSpec-USB1 platform to AvaLight-DHc-TTL-shutter
IC-DB26-2	Interface cable AvaSpec-USB2 platform to AvaLight-DHc-TTL-shutter
AvaLight-DHc-RM	Rackmount Compact Deuterium Halogen Light Source with TTL Shutter
AvaLight-DHc-B	Compact Deuterium Halogen Replacement Bulb
CUV-DHc	Direct attach cuvette holder for AvaLight-DHc
PS-12V/1.0A	Power supply 100-240VAC/12VDC, 1.0A for AvaLight-DHc