

## Calibrated Light Source



The **AvaLight-HAL-CAL** is a compact, low-cost light source, calibrated for the VIS/NIR spectral range (350-1095 nm). This NIST traceable calibrated light source is developed for use with all AvaSpec spectrometers, to measure absolute spectral intensity. The **AvaLight-HAL-CAL** comes with a built-in diffuser, a cosine corrector CC-UV/VIS-CAL with SMA adapter and a diskette with the calibration file in ASCII format. The **AvaLight-HAL-CAL** calibration file can be read in by

AvaSoft-IRRAD, a software package developed to make your spectrometer system a spectroradiometer. A special version of the calibrated light source, the AvaLight-HAL-CAL-ISP, is available to couple the AvaSphere-50-IRRAD integrating sphere to the light source. The **AvaLight-HAL-CAL** cannot be used as an illumination source for spectral absorbance, transmission and reflection measurements. The **AvaLight-HAL-CAL** is calibrated together with the included PS-24V/1.25A power supply.

### Technical Specifications

	AvaLight-HAL-CAL
Wavelength Range	350-1095nm
Calibration Accuracy	± 15 %
Stability	± 0.1 %
Calibration valid for	60 hrs
Warm-up Time	Ca. 15 Min.
Bulb Output (CC-UV/VIS-CAL)	170 $\mu$ W/cm <sup>2</sup> nm (@800nm)
Power Requirements	24 VDC / 1.25A
Dimensions (mm)	132 x 110 x 44 mm

### Spectral Output AvaLight-HAL-CAL

