

LED Light Source for Fluorescence Applications



The **AvaLight-LED** light sources are compact, low-cost Light Emitting Diodes that produce continuous or pulsed spectral output at different wavelengths for high sensitivity fluorescence measurements. The **AvaLight-LED470-p14** is specially designed to be used with the Fiber Optic Oxygen Sensor and the AvaSpec-2048 and supported from AvaSoft-Oxy.

All **AvaLight-LED light** sources are recommended for fluorescence applications, where the excitation wavelength can be chosen from the following table.

Other fluorescence accessories and probes, such as the CUV-DA, CUV-FL/ CUV-ALL cuvette holders and the FCR-UV200/600 fluorescence probe can be found elsewhere in this catalog.

The **AvaLight-LED** has an SMA 905 connector for coupling to fiber optics, a PS-12V/1.0A power supply should be ordered with the unit.

The **AvaLight-LED** can be used as a DC source or pulsed with a programmable Pulse Width Modulation (PWM), supplied by the AvaSpec-USB2 spectrometers' output (IC-DB26-2 needed).

Technical Specifications

	AvaLight-LED380	AvaLight-LED400	AvaLight-LED470	AvaLight-LED590
Spectral Range*	380 nm	400 nm	470 nm	590 nm
FWHM (nm)	15 nm	11 nm	30 nm	30 nm
LED Output	10 μ Watt	25 μ Watt	25 μ Watt	25 μ Watt
Connector	SMA 905			
Power Supply	12 VDC/ 40mA			
Dimensions	175 x 110 x 44 mm			

* other wavelengths available on request

Spectral Output different AvaLight-LED's

