

AvaLight-HPLED High-power Light Sources for Fluorescence Applications

The AvaLight-HPLED is a compact, affordable LED light source meant for fluorescence applications. This high-power version was made for more demanding applications compared to our regular LED light source.

The AvaLight-HPLED light sources produce continuous or pulsed spectral output at different wavelengths. All sources have an SMA-905 connector to connect fiber optics and come with a 5V/1.6A power supply.

This high-power LED light source can be used as a DC source or pulsed with a programmable Pulse Width Modulation (PWM), supplied by an AvaSpec-USB2 or EVO spectrometer (IC-DB26-2 cable needed).

Benefits of the AvaLight-HPLED:

- Compact design
- Optimized for fluorescence applications
- Several excitation wavelengths
- High-power levels
- Different peak wavelengths available

AvaLight-HPLED



Technical Data for AvaLight-HPLED

	AvaLight-HPLED-285	AvaLight-HPLED-385	AvaLight-HPLED-405	AvaLight-HPLED-470	AvaLight-HPLED-530	AvaLight-HPLED-625	AvaLight-HPLED-White
Peak wavelength	285 nm	385 nm	405 nm	470 nm	530 nm	625 nm	N.A.
FWHM (nm)	15 nm	15 nm	15 nm	25 nm	35 nm	25 nm	N.A.
Optical power 600 μm fiber	0.5 mWatt	3.4 mWatt					
Connector	SMA-905						
Power supply	5V, 500 mA						
Dimensions, weight	150 x 78 x 37 mm, 420 grams						

Ordering Information

AvaLight-HPLED-XXX	<ul style="list-style-type: none"> • High-power light-emitting diode light source, specify wavelength XXX = 285, 385, 405, 470, 530, 625, White. Includes 5V/1.6A power supply
IC-DB26-2	<ul style="list-style-type: none"> • Interface cable AvaSpec-USB2/EVO platform to AvaLight-HPLED for PWM