

# 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
- High power levels
- Fluorescence excitation
- Several excitation wavelengths

## AvaLight-HPLED



### Technical Data for AvaLight-HPLED

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

### Ordering Information

**AvaLight-HPLED-XXX**

- High-power light-emitting diode light source, specify wavelength XXX = 385, 405, 470, 530, 625, White. Includes 5V/1.6A power supply

**IC-DB26-2**

- Interface cable AvaSpec-USB2/EVO platform to AvaLight-HPLED for PWM



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フォトテクニカ株式会社

〒336-0017 埼玉県さいたま市南区南浦和 1-2-17

TEL:048-871-0067 FAX:048-871-0068

e-mail:voc@phototechnica.co.jp