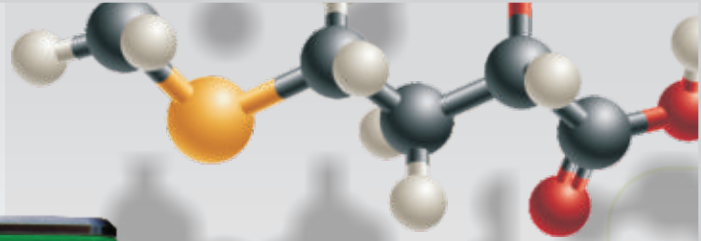


Ultra LED Light Source (LLS)



These ergonomic and intelligently designed fiber coupled LED sources are ideal for fluorescence, spectroscopy and general fiber illumination applications. The "Ultra LED" high power light sources can be operated in "continuous: (CW) or "external trigger" modes. An innovative optical design enables these fiber coupled light sources to provide highly efficient light coupling into a single fiber optic. The proprietary electronics design provides stable high current operation and allows the LEDs to run at higher peak currents when in external trigger mode.

The controls feature a three way switch to move the light source between continuous, off and trigger modes. A second control is used to manually adjust the drive current. A 15 pin interface connector provides access to TTL input controls, onboard memory and intensity modulation, making this source ideal for OEM integration. An optional USB controller is available to control the drive current, pulse width and pulse frequency via PC interface.

SANDHOUSE

DESIGN

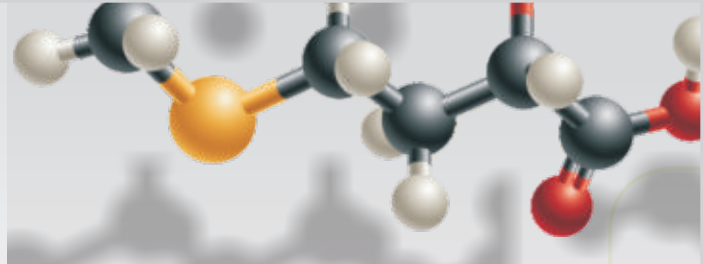
innovative products for fiberoptic sensing

ph 727.474.2877 fax 727.342.7304

Dunedin, Florida

email: info@SandhouseDesign.com U S A

Ultra LED Light Source (LLS)



Part #	Wavelength	FWHM	Min Power coupled into a 600um .22NA fiber	Maximum Drive Current CW	Maximum Drive Current Pulsed	Maximum duty Cycle in pulsed mode
LLS-240	250nm	11 nm	20µW	30mA	200mA	1%*
LLS-250	250nm	12 nm	20µW	30mA	200mA	1%*
LLS-270	270nm	12 nm	20µW	30mA	200mA	1%*
LLS-290	290nm	12 nm	20µW	30mA	200mA	1%*
LLS-310	310nm	12 nm	20µW	30mA	200mA	1%*
LLS-325	325nm	12 nm	20µW	30mA	200mA	1%*
LLS-345	345nm	12 nm	20µW	30mA	200mA	1%*
LLS-365	365nm	9 nm	2.5mW	500mA	1000mA	50%
LLS-385	385nm	10nm	2.5mW	500ma	1000mA	50%
LLS-405	405nm	14nm	1mW	500mA	1000mA	50%
LLS-455	455 nm	20 nm	1.5mw	1500ma	3000mA	50%
LLS-470	470 nm	25 nm	1.5mw	1500ma	3000mA	50%
LLS-505	505 nm	30 nm	1.5mw	1500ma	3000mA	50%
LLS-530	530 nm	35 nm	1.5mw	1500ma	3000mA	50%
LLS-590	590 nm	14 nm	1.5mw	700ma	1400mA	50%
LLS-617	617 nm	20 nm	1.5mw	700mA	1400mA	50%
LLS-627	627 nm	20 nm	1.5mw	700mA	1400mA	50%
LLS-Warm White	VIS 3000K CCT	NA	1.5mw	1500ma	3000mA	50%
LLS-Neutral White	VIS 4100K CCT	NA	1.5mw	1500ma	3000mA	50%
LLS-Cool White	VIS 6500K CCT	NA	1.5mw	1500ma	3000mA	50%
LLS-2950	2.95µm	0.35 µm	1µW	200mA	1000mA	1%*
LLS-3400	3.4µm	0.40 µm	1µW	200mA	1000mA	1%*
LLS-3700	3.7µm	0.40 µm	1µW	200mA	1000mA	1%*
LLS-3900	3.9µm	0.45 µm	1µW	200mA	1000mA	1%*
LLS-4200	4.2µm	0.45 µm	1µW	200mA	1000mA	1%*
LLS-4700	4.7µm	0.6 µm	1µW	200mA	1000mA	1%*
LLS-5300	5.3µm	0.8 µm	1µW	200mA	1000mA	1%*
LLS-7000	7.0µm	2.0 µm	1µW	200mA	1000mA	1%*

*Pre-set with a 500us Pulse width

Do you need an LED that you do not see listed here? Let us know and we will evaluate coupling and controlling for you.



SANDHOUSE

DESIGN

innovative products for fiberoptic sensing

ph 727.474.2877 fax 727.342.7304

Dunedin, Florida

email: info@SandhouseDesign.com U S A