



## Ergonomic Light Sources for a Wide Variety of Applications

The Ocean Optics line of ergonomic and smartly designed fiber-coupled LED light sources are ideal for fluorescence, spectroscopy and general fiber illumination applications. The Ultra LED high power light sources can be operated in continuous 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 high 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 and an optional USB controller is available to control drive current, pulse width and pulse frequency via computer.

These sources are ideal for OEM integration.

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	240 nm	11 nm	20 µW	30 mA	200 mA	1%*
LLS-250	250 nm	12 nm	21 µW	31 mA	200 mA	1%*
LLS-270	270 nm	12 nm	22 µW	32 mA	200 mA	1%*
LLS-290	290 nm	12 nm	23 µW	33 mA	200 mA	1%*
LLS-310	310 nm	12 nm	24 µW	34 mA	200 mA	1%*
LLS-325	325 nm	12 nm	25 µW	35 mA	200 mA	1%*
LLS-345	345 nm	12 nm	26 µW	36 mA	200 mA	1%*
LLS-365	365 nm	9 nm	2.5 mW	500 mA	1000 mA	50%
LLS-385	385 nm	10 nm	2.5 mW	500 mA	1000 mA	50%
LLS-405	405 nm	14 nm	1 mW	501 mA	1000 mA	50%
LLS-455	455 nm	20 nm	1.5 mW	1500 mA	3000 mA	50%
LLS-470	470 nm	25 nm	1.5 mW	1500 mA	3000 mA	50%
LLS-505	505 nm	30 nm	1.5 mW	1500 mA	3000 mA	50%
LLS-530	530 nm	35 nm	1.5 mW	1500 mA	3000 mA	50%
LLS-590	590 nm	14 nm	1.5 mW	700 mA	1400 mA	50%
LLS-617	617 nm	20 nm	1.5 mW	700 mA	1400 mA	50%
LLS-627	627 nm	20 nm	1.5 mW	700 mA	1400 mA	50%
LLS-Warm White	VIS 3000K CCT	NA	1.5 mW	1500 mA	3000 mA	50%
LLS-Neutral White	VIS 4100K CCT	NA	1.5 mW	1500 mA	3000 mA	50%
LLS-Cool White	VIS 6500K CCT	NA	1.5 mW	1500 mA	3000 mA	50%