O/E LAND INC.
7639 Cordner
Lasalle, QC, Canada, H8N 2X2
Tel:1-514-334-4588
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www.o-eland.com

[**OELED-100**]

LED Light Sources

Features:

- Ultraviolet to infrared wavelengths
- Stand-alone system or OEM module
- Fiber pigtailed or receptacle type
- SM, PM, MM fiber
- Custom design and fabrication
- High stability, long term reliability

OELED-100

Applications:

- Instrumentation
- Sensor
- Passive optical component testing,
- Patchcord verification
- Biomedical illumination
- Data communication network installation and maintenance

Product description:

A full line of fiber coupled LED light sources are available at low cost and compact size in a wavelength range from 375 to 4600 nm with typical 20nm bandwidth. Fiber coupled LED light source has been widely used in sensor, instrumentation, biomedical and other industry applications. The coupled fiber can be multimode fibers with core size from 50 to 1000 µm. As an option, the LED current can be linearly modulated by a control signal. The multi-channel LED light source is also available where the output light of few LEDs are coupled together to provide wider spectrum.

Parameter	**Unit**	**OELED-100**		
Center Wavelength	nm	365-970	1000-1650	1750-4600
Bandwidth	nm	10-50	50-150	150-900
Output power	mW	~1-10	~1	~1
Connector	-	ST, FC, SMA		
Fiber type/ Core size	µm	MMF/core: 50, 62.5, 100, 200, 400, 800, 1000		
Control voltage*	mV	0-750		
Control input impedance*	kΩ	20		
Modulation rise time*	µs	0.3		
Power supply (Turn Key)	-	110-120 VAC/60 Hz, 220-240VAC/50Hz		
Power supply (OEM)	-	5VDC, 70 mA		
Operating temperature	°C	10-40		
Dimension	mm	50 x 90 x 130		

*. (Optional) only for the version with control signal.

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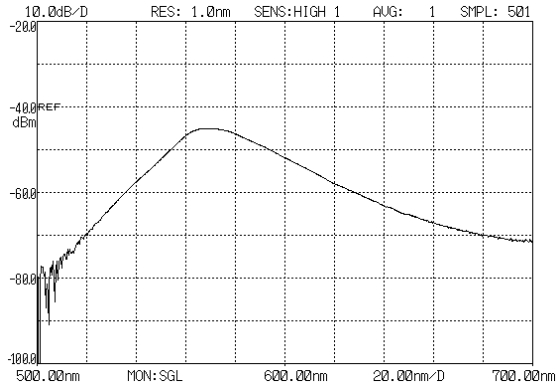
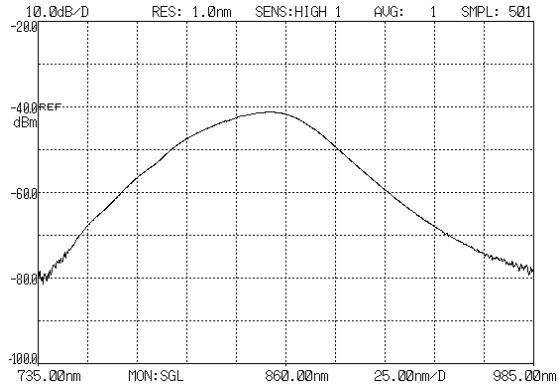
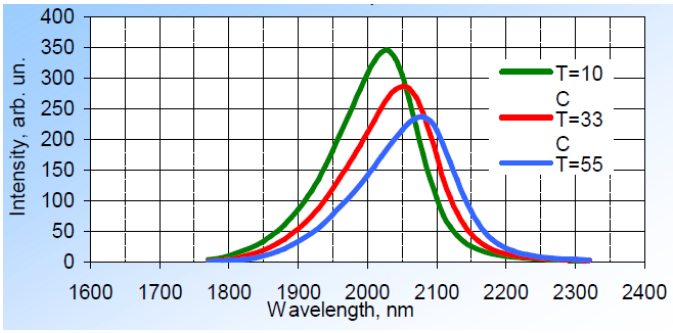


OELED-100 spectrum at 570 nm



OELED-100 spectrum at 850 nm



OELED-100 spectrum at 2025 nm

Ordering number:

OELED-100-WL-BW-P:	WL	BW	P
	Wavelength (nm)	Bandwidth (nm)	Average power (mW)
Example:	OELED-100-850-20-2		

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