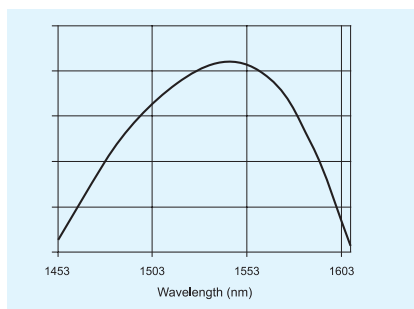


## SLED LIGHT SOURCE



Typical output spectrum

The **PROLITE-85** is a SLED light source with a **bandwidth of 60nm** and a **wavelength of 1550nm**. The **PROLITE-85** is high efficient in optical communications (C Band ) and all broadband applications, which are around this wavelength and needs a stable light source to be injected to the system.

The light source is stabilized to keep the signal level and the spectral response with a great range of temperatures.

It is a portable and stand-alone system thanks to the rechargeable battery, which allow the **PROLITE-85** to run for a long time.

The output light source connectors could be customized depending on the customer necessities at the time of placing an order (up to three different set-ups).

### FEATURES

- HIGH OUTPUT POWER LEVEL
- HIGH STABILITY
- EXCELLENT SPECTRAL FLATNESS

### APPLICATIONS

- SPECTRAL MEASURES OF WDM C BAND PASSIVE COMPONENTS
- NOISE SIMULATIONS FOR DWDM SYSTEMS
- FIBRE OPTICS SENSORS
- PMD MEASUREMENTS

SPECIFICATIONS	PROLITE-85
Wavelength ( $\lambda$ )	1550 nm (please contact us for other wavelength)
Tolerance	$\pm 22$ nm
FWHM Spectral Bandwidth	Typically 60 nm
Flatness	$\pm 2$ dB (C Band 1530-1570 nm )
Output connector	FC, SC and E2000 types (according to order); APC termination
Output power / 0,1 nm	-2.5dB typ./SM 9/125 $\mu$ m fibre
Amplitude stability	1db for all temperature range
<b>POWER SUPPLY</b>	
Battery	Li-Ion Battery
Autonomy	14h at 25°C Typically
Charge time	3h approximately with the system switched off.
Mains Adapter	100 to 240 V/ 50-60 Hz
Consumption	12 W
<b>OPERATING ENVIRONMENTAL CONDITIONS</b>	
Altitude	Up to 2000 mts
Temperature range	From 0 to 40°C
Max. relative humidity	80% (up to 31° C), decreasing linearly up to 50% at 40 °C
<b>MECHANICAL FEATURES</b>	
Dimensions	160 mm (W) x 73 mm (H) x 35 mm (D)