

Light sources



The **PROLITE** range consists of two dual light sources the **PROLITE-80/81** and another one with multiplexed output **PROLITE-90**.

The **PROLITE-80 LASER** allows to select wavelengths between 1310 nm and 1550 nm whereas the **PROLITE-81 LED** allows the selection between 850 nm and 1300 nm.

In both sources the light by means of a pulse signal generated internally or externally through the connector can be modulated.

They are compact and easy to use.

They only have two controls, one key to select the desired wavelength and another key to activate the modulation.



- 1310 / 1550 nm Laser source
- Multiplexed optical output
- Selectable dual / single wavelength

The **PROLITE-90** laser light source emits light of a wavelength of 1310 nm and/or 1550 nm. It allows to select easily by means of direct access keys the desired wavelength, to generate a modulated signal or to activate the automatic operation mode. These light sources may be modulated with 270 Hz, in the case of the wavelength of 1310 nm and 2 kHz for the 1550 nm one, facilitating identify a particular optical fibre when working with systems that contain a large number of fibres.

Specifications	PROLITE-80 / 81
Wavelength	
PROLITE-80 LASER	1310 nm, 1550 nm
PROLITE-81 LED	850 nm, 1300 nm
Level	
PROLITE-80 LASER	-5 dBm typical (SM 9/125 mm fibre)
PROLITE-81 LED	-15 dBm typical (MM 62.5 / 125 mm fibre)
Modulation	270 Hz, 1 kHz and 2 kHz internal, or through external signal
Stability	± 0.1 dB
Power supply	NiCd battery, 7.2 V, 1.5 A
Battery	Through external charger
Mechanical features	
Dimensions	84 (W) x 165 (H) x 29 (D) mm
Weight	380 g (battery included)

Specifications	PROLITE-90
Wavelengths	1310 nm and 1550 nm
Tolerance	± 30 nm
Output connector	FC, SC; APC, PC (according to order).
Output power	- 10 dBm ± 1 dB/ SM 9/125 mm fibre
Internal modulation	1310 nm: 270 Hz and 1550 nm: 2 kHz
Stability	< 0.3 dB in one hour
Power supply	
Battery	Ni-Cd de 7.2 V 1500 mAh battery
Mains adapter	230 V/ 50-60 Hz/10 W for EUROPE and other countries
Mechanical features	
Dimensions	60 (W) x 73 (H) x 35 (D) mm
Weight	500 g (battery included)