

Boreal

Tunable Visible Range

BOREAL is a bandpass filter with tunable central wavelength and tunable bandwidth.

The perfect white laser plug-in accessory for bioimaging, nanophotonic and more.

Spectral Range

400* - 1000 nm

Optical Output

Free space or Fibre output (1 m)
(Collimated output customizable)

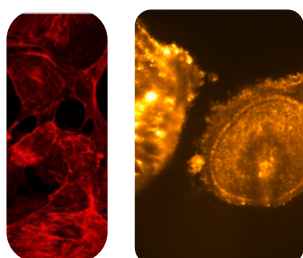


/ Highlights

Accessory for Supercontinuum Lasers

Plug-in-accessory

/ Applications



Bioimaging

Nanophotonic

* Initial wavelength depends on the supercontinuum source

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/ Technical Specifications

Spectral Range

400* - 1000 nm

Optical Output

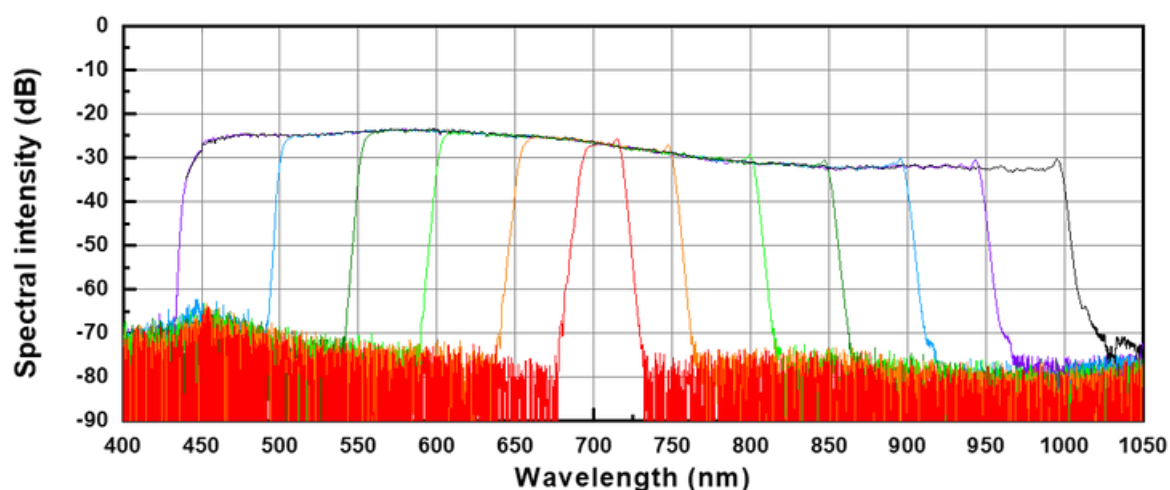
Free space or Fibre output (1 m) (Collimated output customizable)

Output Polarization:	Unpolarized
Power Requirements	110V – 220V 50/60 Hz
Connections:	IN – Coupling holder (Laser) / IN – Power supply / IN – USB port (System control)
Displayed Parameters (Controlled):	Min/Max wavelength selection Central wavelength/Bandwidth selection
Control Modes:	Remote (USB port)
Operating Temperature:	20 - 30 °C
Storage Temperature:	0 - 60°C
Bandwidth:	10 - 600 nm
Simultaneous selectable band:	1
Resolution:	1 nm
Insertion losses (full bandwidth):	≤ 10 % (free space output) ≤ 30 % (Multimode fibre output) ≤ 60 % (Single-mode fibre output)

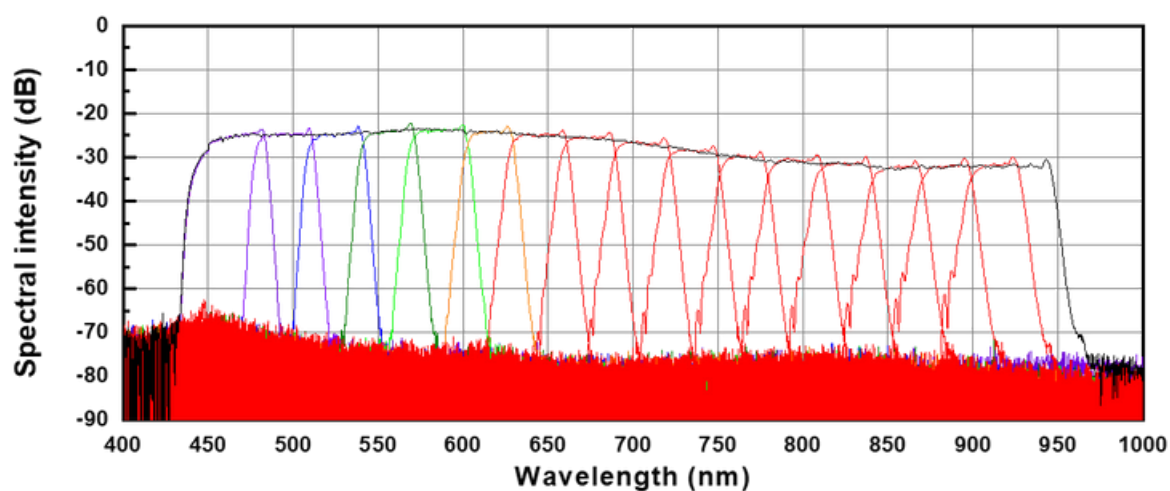
* Initial wavelength depends on the supercontinuum source

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Supercontinuum laser emission filtered into different bands, maintaining the central wavelength while decreasing the bandwidth from 550 nm to 50 nm in 50 nm steps.



Supercontinuum laser emission filtered in different bands of 30 nm bandwidth and central wavelength progressively tuned with 30 nm steps.



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/ Additional information



Laser Security:

This product is an accessory for a Class 4 laser, and its output may contain Class 3B radiation.

CAUTION – CAN HARM THE EYES DURING DIRECT EXPOSURE TO THE BEAM OR TO SPECULAR REFLECTIONS, BUT SCATTERED RADIATION CANNOT HARM THEM, AND THEY ARE HARMLESS FOR THE SKIN.

Appropriate safety measures according to such laser class should be taken in its installation and use.

Warranty:

12 months warranty or > 10,000h of continuous operation.

Extended warranty on request.



/ FYLA contact

Sales contact

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