

Boreal

Tunable Visible Range

BOREAL is the accessory for supercontinuum lasers to choose any wavelength in the visible range.

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

Spectral Range

400 - 1000 nm

Optical Output

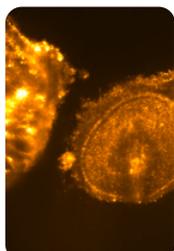
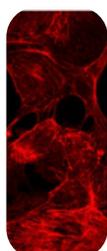
Free space or Multimode fibre output (1 m) with FC/PC connector (FC/APC and Collimated output customizable)



/ 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

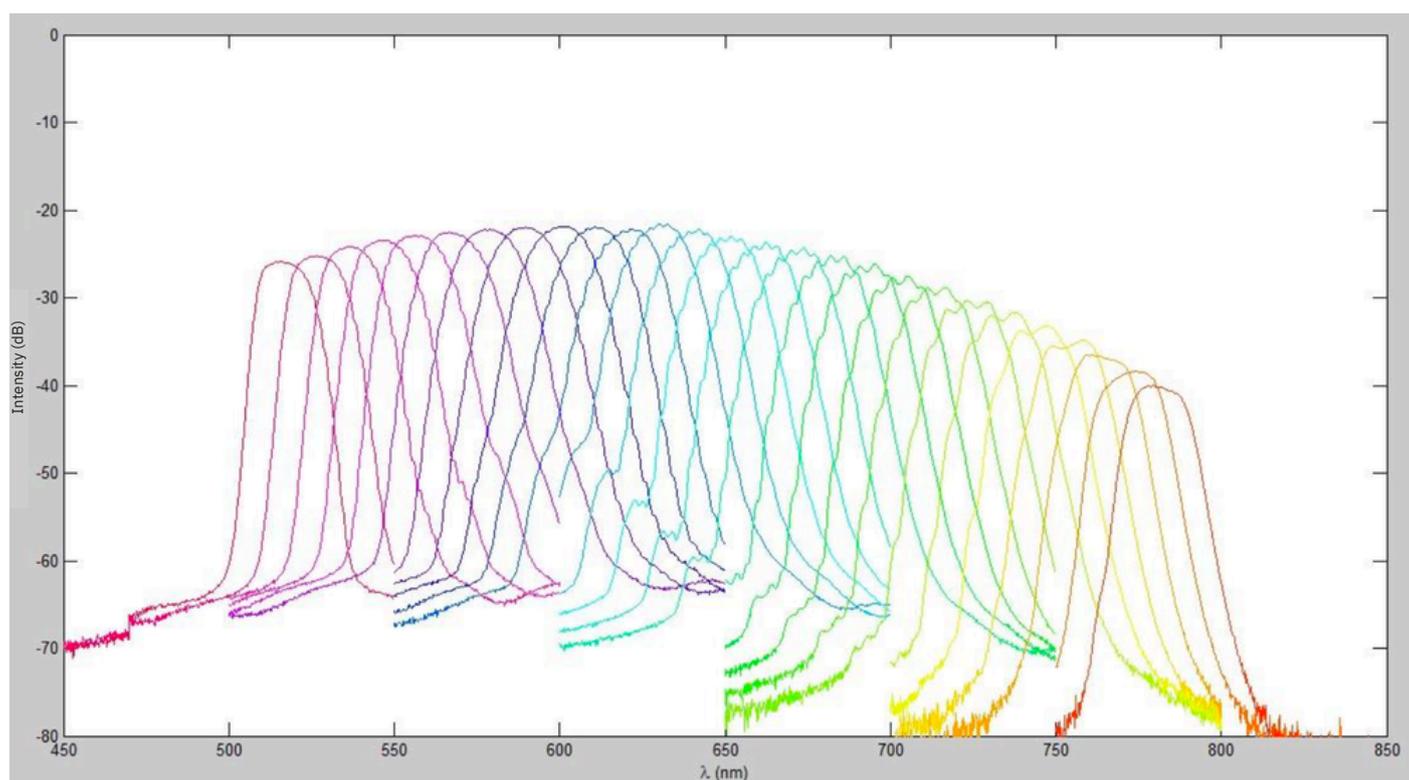
Free space, Multimode or Singlemode fibre output (1 m) with FC/PC connector (FC/APC and Collimated output customizable)

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 line Central wavelength/Linewidth selection line
Control Modes:	Remote (USB port)
Operating Temperature:	20 - 30 °C
Storage Temperature:	0 - 60°C
Linewidth:	10 - 600 nm
Selectable Lines:	1
Resolution:	1 nm
Insertion losses (full bandwidth):	≤ 10 % (free space output) ≤ 30 % (Multimode fibre output) ≤ 60 % (Singlemode fibre output)

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Supercontinuum laser emission filtered in different bands of 20 nm bandwidth and central wavelength progressively tuned with 10 nm steps.



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/ Additional information



This product is an accessory for a Class 4 laser, and its output may contain class 3B radiation. It is not a finished laser product and therefore does not include the safety features required for a Class 3B laser product.

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.

Warranty:

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

Extended warranty on request.



/ FYLA contact

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