Boreal V5

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, nanophotonics and more.

Spectral Range

400* - 1000 nm

Optical Output

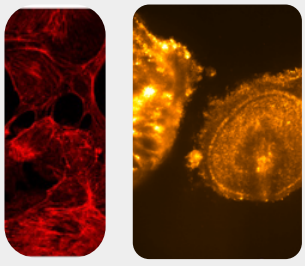
Free space or Fibre output (1 m)

/ Highlights

Accessory for Supercontinuum Lasers

Plug-in-accesory

/ Applications



Bioimaging

Nanophotonics

* Initial wavelength depends on the supercontinuum source

Boreal V5

/ Technical Specifications

Spectral Range	Optical Output
400* - 1000 nm	Free space or Fibre output (1 m)

Output Polarization:	Unpolarized
Power Requirements	24 VDC
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)
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)
Operating Temperature:	20 - 30 ºC
Storage Temperature:	0 - 60 ºC

* Initial wavelength depends on the supercontinuum source

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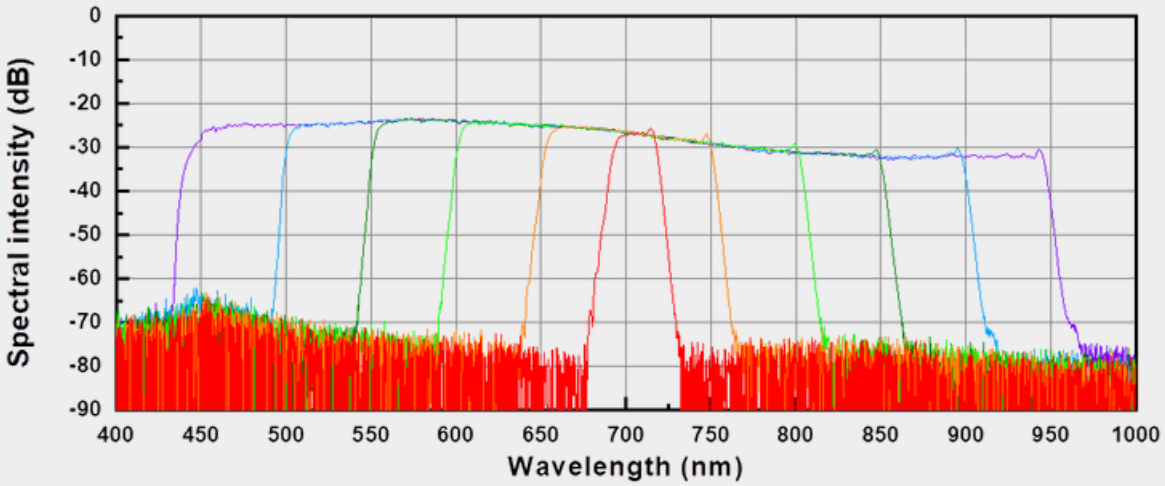
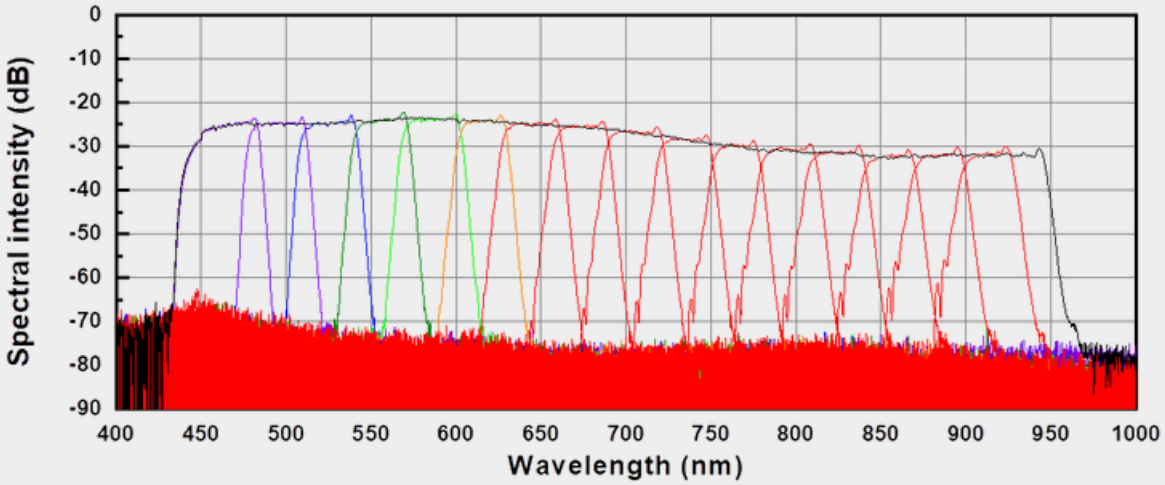
Supercontinuum laser emission filtered into different bands, maintaining the central wavelength while decreasing the bandwidth from 550 nm to 50 nm in 50 nm steps.



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

This product is an accesory 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.

Extended warranty on request.

/ FYLA contact

Sales contact

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