

Boreal^{v4}

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

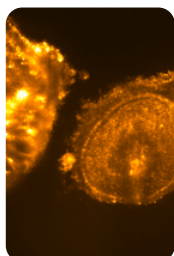
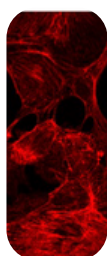
Free space or Fibre output (1 m)
(Collimated output customizable)



/ 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

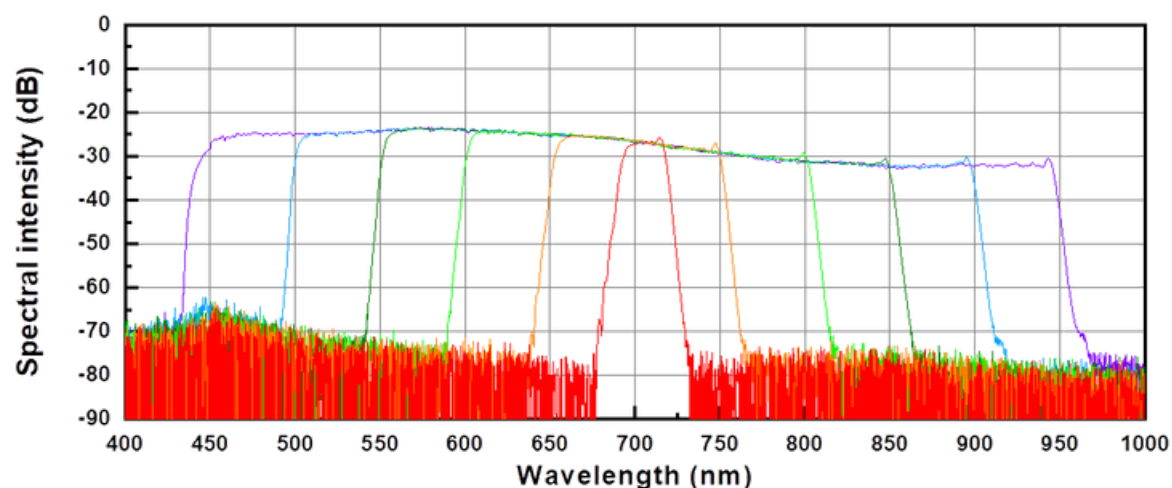
Free space or Fibre output (1 m) (Collimated output customizable)

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 % (Singlemode fibre output)

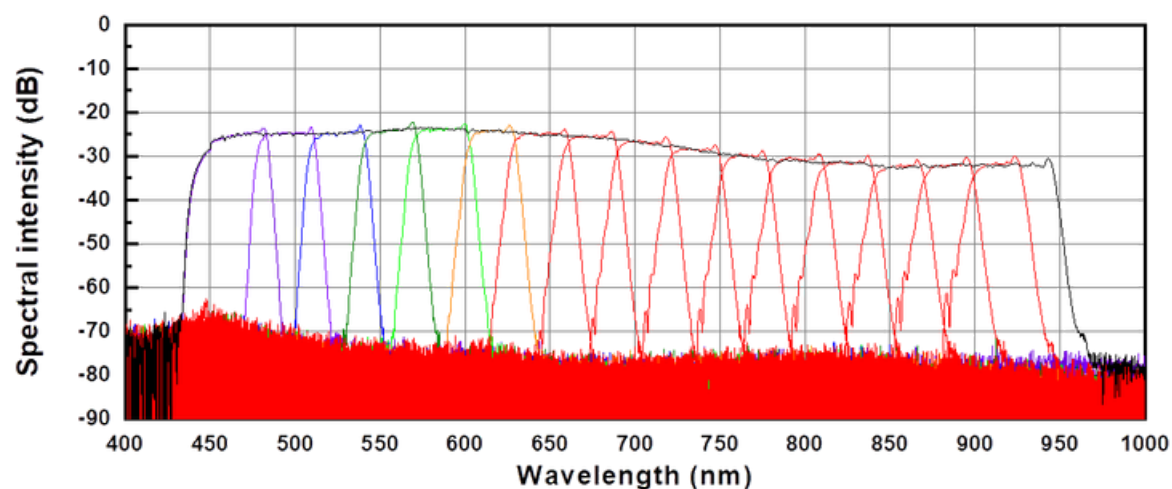
* Initial wavelength depends on the supercontinuum source

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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



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.

Extended warranty on request.

/ FYLA contact

Sales contact

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