Boreal NIR V1

Tunable NIR Range

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

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

Spectral Range

1000 - 1700 nm

Optical Output

Free space or fiber output (1 m)

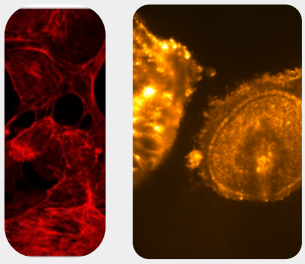


/ Highlights

Accessory for Supercontinuum Lasers

Plug-in-accesory

/ Applications



Bioimaging

Nanophotonics

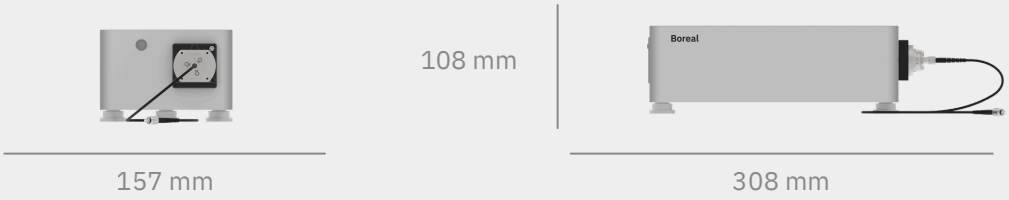
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/ Technical Specifications

Spectral Range
1000 - 1700 nm

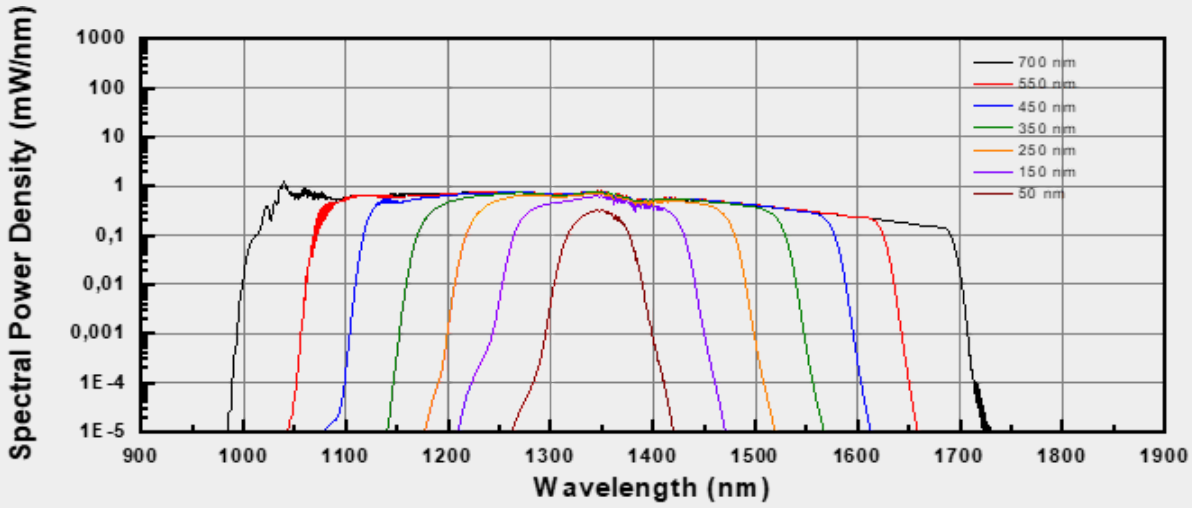
Optical Output
Free space or fiber output (1 m)

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:	20 - 700 nm
Simultaneous selectable band:	1
Resolution:	1 nm
Insertion losses (full bandwidth):	<= 20% (free space output) <= 50% (Multimode fiber output) <= 90% (Single-mode output)
Operating Temperature:	20 - 30 ºC
Storage Temperature:	0 - 60 ºC

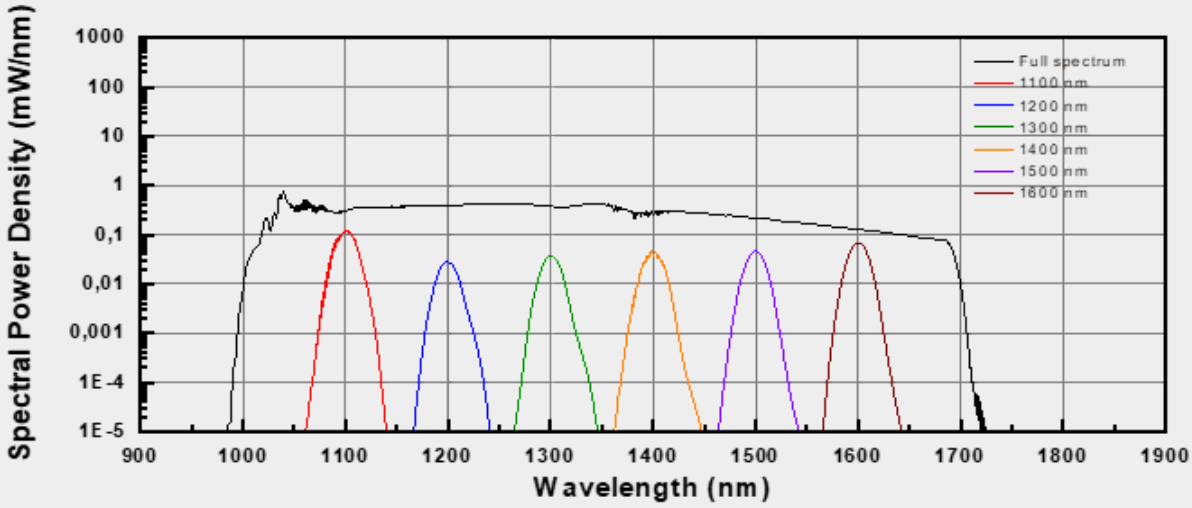


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Supercontinuum laser emission filtered into different bands, maintaining the central wavelength while decreasing the bandwidth from 700 nm to 50 nm in 100 nm steps



Supercontinuum laser emission filtered in different bands of 20 nm bandwidth and central wavelength progressively tuned with 100 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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