

# 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

450-750 nm

## Optical Output

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

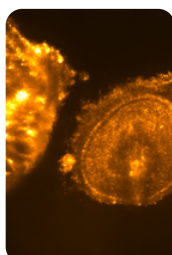
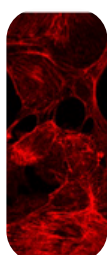


## / Highlights

Accessory for Supercontinuum Lasers

Plug-in-accessory

## / Applications



Bioimaging

Nanophotonic

# Boreal

## / Technical Specifications

### Spectral Range

450-750 nm

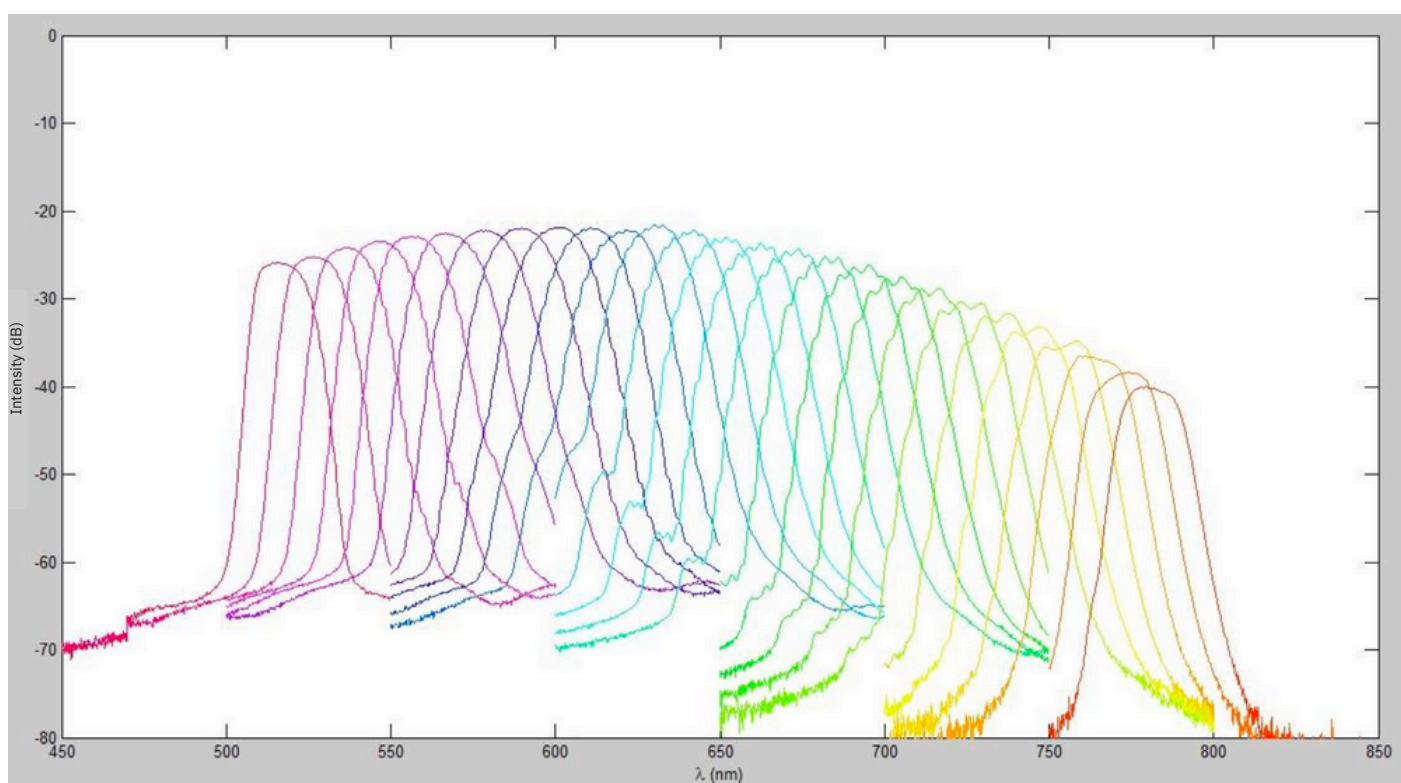
### Optical Output

Free space or Multimode 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   |
| Control Modes:                     | Remote (USB port)   |
| Operating Temperature:             | 20 - 30 °C  |
| Storage Temperature:               | 0 - 60°C  |
| Linewidth:                         | 10 - 300 nm   |
| Selectable Lines:                  | 1   |
| Resolution:                        | 1 nm  |
| Extra Functions:                   | Variable pulse energy / Interlock / Shutter                                       |
| Power losses (After filtering):    | <25 % (free space output) / 55 %<br>(Multimode fibre output)                      |

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