

## Key Features

FC-LED12

- User-configurable 12 Wavelength LED light source
- Choice of peak wavelengths 355nm to 2,500nm inclusive
- High optical power output-up to 12W
- 12 individual channels with precise and independent current adjustment - 1,024 BIT
- Narrow LED spectrum emission
- High stability
- SMA fiber adapter or Light-guide adapter options available
- Collimating & Focusing optics available
- Ethernet, USB and RS232 interface
- Intuitive Graphic User Interface (GUI)
- Instant on/off (no warm up required)
- Easy Installation & Operation
- Small size (W 70mm H 55mm L 70mm)
- TTL strobe option available
- Fast switching time (~ $\mu$ s)

## Key Benefits

- Long life >30,000 Hrs (No lamp replacement required)
- Energy efficient & Cost effective
- Low power consumption
- Safe operation - no hazardous materials
- No heat generation
- CE certified and RoHS compliant
- Standard warranty 1 year

CE

RoHS  
2002/95/EC



Adaptive Lighting's FibercoupLED12 consists of a compact illuminator containing 12 individual High Brightness LED sources and a control module to interface from a PC/Network to the light source.

Each of the 12 LED channels of the FC-LED12 (Broadband LED lightsource) are user configurable. Any LED wavelength from 355nm to 2,500nm can be selected (Outside this range available on request), thereby providing a light source with multiple pre-defined spectral outputs.

The light source is available as a fiber-coupled module with SMA, 3mm or 5mm lightguide adaptors and a range of focusing and collimating optics are available.

Each LED channel can be operated in **Continuous On Mode** with 1024 Bit control or via **External TTL Strobe Mode**.

Each FC-LED12 is supplied with Light source, control module and PSU and intuitive Graphic User Interface (GUI) to control the module via a PC or laptop.

**Contact:** [sales@adaptivelighting.ie](mailto:sales@adaptivelighting.ie) for further information.

## Applications

<b>Electronics</b>	Illumination
<b>Medical Device</b>	Point Curing Morphology Filtering
<b>Biophotonics</b>	Optogenetics Fluorescence Excitation Spectroscopy
<b>Life Sciences</b>	Phase or Confocal Microscopy Biomedical Sensors and Instruments Spectroscopy OCT Flow Cytometry
<b>Machine Vision</b>	Industrial Machine Vision Infra Red Inspection

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NOTE : ALL INFORMATION SUBJECT TO CHANGE WITHOUT NOTICE. PLEASE CONTACT AL FOR SPECIFIC REQUIREMENTS