

## Modular, multi-wavelength, and flexible UV LED irradiation system

The UV-4MOD-LED is a versatile turnkey irradiation system, enabled by the latest LED technologies, which is ideally suited for applications requiring up to four individual controllable wavelengths of light. This plug and play modular system can be flexibly equipped with UV, visible, and infrared LEDs to obtain the targeted emission spectrum.

### Features & Benefits:

- LED based illumination module: Four individually addressable channels each consisting of an array of four LEDs distributed over an area of 80 mm x 80 mm.
- Customizable emission spectrum: Configure each channel with a different wavelength using LEDs available from a large number of suppliers.
- Flexible illumination area: Modular segments can be mechanically interconnected wire-free into 1-dimensional as well as 2-dimensional arrays.
- Optimized thermal management: Maximize LED output, lifetime, and stability. Integrated thermal shut down protection.
- Plug and play option: Operate with USB. Software with graphical user interface to address individual channels. API available for integration into existing software controlled measurement setups.
- External controller with integrated power supply: 230 or 115 VAC with 350W or 1500W power for up to 5 or 20 LED modules.

### Applications:

- Sterilization & Disinfection needs: Healthcare clinics, food processing facilities, laboratories, air Conditioning Systems, personal articles ...
- UV curing of materials
- Security inspection (banknote identification)
- Germ detection
- Plant growth lighting
- Sensing applications
- Laboratory/Research



### General specifications:

<b>Peak wavelength</b>	Up to 4 customizable wavelengths (230 nm – infrared)
<b>Outer dimensions of housing (W x H x D)</b>	90 mm x 123 mm x 90 mm
<b>Emission window</b>	80 mm x 80 mm
<b>Power supply</b>	230VAC 50Hz / 115VAC 60Hz
<b>Operating Modes</b>	Standalone or live-mode over USB