

Parallel Photoreactor Offers Easy Interchangeable Wavelength Excitation

Asynt has introduced a new modular version of its **popular LightSyn Illumin8 photoreactor**.

This innovative system

provides researchers with the flexibility to change quickly and safely between a selection of high-power light emitting diodes (LEDs) operating at wavelengths including UV (365 nm) and blue (450 nm).



The LightSyn Illumin8

allows chemists to run up to 8 photochemical reactions in parallel using low-cost 8 mL tubes. Compact in size, this affordable yet high performance photoreactor offers up to eight interchangeable modules of eight UV or coloured LEDs with safety interlocks to ensure light-tight photochemical reactions. With each high-power LED positioned close to a corresponding reaction tube, the LightSyn Illumin8 efficiently delivers an even photon flux to each position, ensuring the consistency of your photochemical reactions. Integral active cooling also ensures that your reactions do not overheat from the photo irradiation.



: The LightSyn Illumin8 with additional LED module

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Simply mounted

on a standard magnetic hotplate stirrer, photochemical reactions in your LightSyn Illumin8 can be powerfully agitated and heated up to 80 °C. To cater for air sensitive materials, connectors on top of the LightSyn Illumin8 allow for an inert atmosphere or vacuum to be applied to each reaction tube. These features, coupled with the ability to safely sample or make additions to each ongoing reaction, make the LightSyn Illumin8 the perfect tool for consistent and reliable photochemical reaction screening experiments.

For further information

on the LightSyn Illumin8 please visit <https://www.asynt.com/product/illumin8-parallel-photoreactor/> or contact Asynt on +44-1638-781709 / enquiries@asynt.com.

Asynt Ltd.

is a leading supplier of chemistry equipment for scientists in industry and academia. With a sales team of trained chemists, Asynt draw upon their in-depth application knowledge to provide a high-level of customer support for its oil-free DrySyn Heating Blocks, CondenSyn waterless condensers, turn-key & bespoke solutions for Controlled Lab Reactors, Flow Chemistry apparatus, Photochemistry systems, Synthesis Tools, Evaporators, Temperature Control Systems, Vacuum Pumps and Lab Safety Equipment plus more.

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