

PRESS RELEASE

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, thus ensuring the consistency of your photochemical reactions. Active cooling also ensures that your reactions do not overheat from photo irradiation.

Designed to replace 'homemade' photoreactor systems which offer inconsistent results and questionable operator safety, the modular LightSyn Illumin8 is simple to set-up, operationally flexible and easy to use with just one single on/off switch.

Asynt Ltd

Unit 29 Hall Barn Road Industrial Estate Isleham Cambridgeshire United Kingdom CB7 5RJ
T: +44 (0)1638 781709 F: +44(0)1638 781706 enquiries@asynt.com www.asynt.com



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 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, CondensSyn 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.

MARCH 2022

asyntpr131.doc

Asynt Ltd

Unit 29 Hall Barn Road Industrial Estate Isleham Cambridgeshire United Kingdom CB7 5RJ
T: +44 (0)1638 781709 F: +44(0)1638 781706 enquiries@asynt.com www.asynt.com

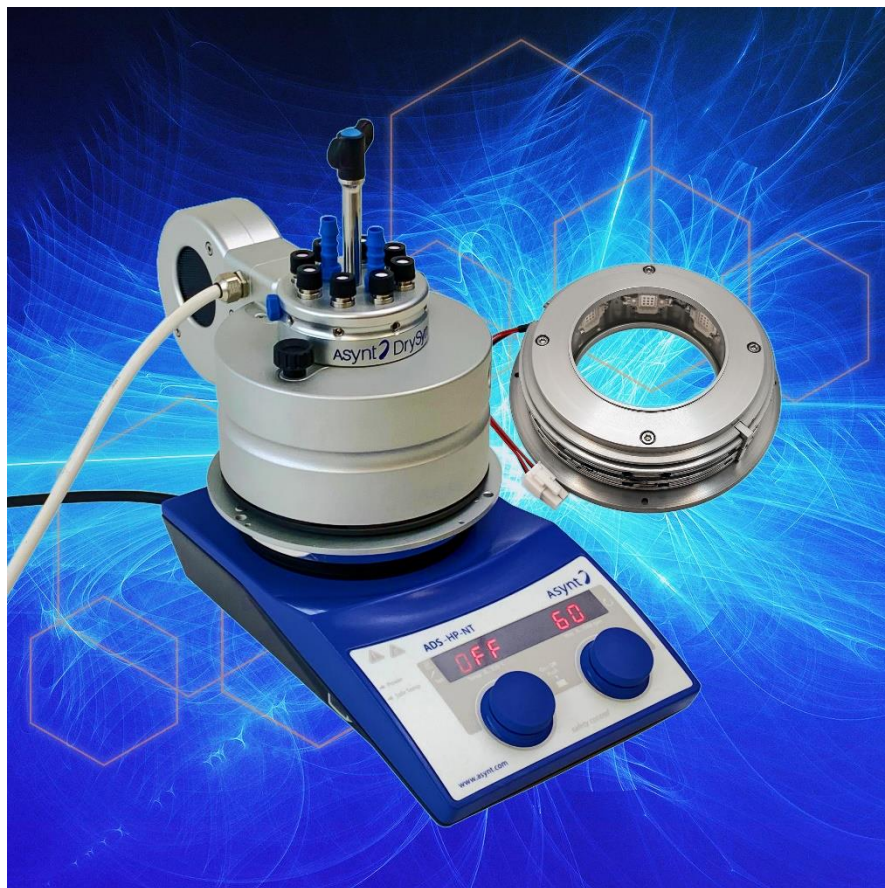
Registration No: 5160407

VAT No: GB 838 5592 82

Illustrative images:



Caption: The LightSyn Illumin8 with additional LED module



Caption: The LightSyn Illumin8 with additional LED module

For more information please contact:

Media: Dr Bill Bradbury +44-208-546-0869 / info@primetek-solutions.com

Asynt Ltd
Unit 29 Hall Barn Road Industrial Estate Isleham Cambridgeshire United Kingdom CB7 5RJ
T: +44 (0)1638 781709 F: +44(0)1638 781706 enquiries@asynt.com www.asynt.com

Registration No: 5160407 VAT No: GB 838 5592 82