Press release

Title: **Asynt hereby confirms the expansion of its novel photochemistry offering**

Asynt has announced the expansion of the LightSyn Lighthouse photochemistry platform with a comprehensive range of additional modules in various wavelengths.

To meet customer needs, Asynt now offers 11 different wavelength options to perform photochemical reactions with the LightSyn Lighthouse. ASY-PR-108 expansion of wavelength range on LightSyn Lighthouse photoreactor.jpg

Caption: Extensive expansion of wavelength options for Asynt's unique LightSyn Lighthouse photoreactor

In addition
to the original options of 460 nm and 365 nm, with which the platform was introduced at the beginning of the year, users now have a choice of lamp modules of 390 nm, 395 nm, 410 nm, 523 nm, 590 nm, 623 nm, 740 nm, 850 nm, 940 nm and cool white LED light.

The LightSyn Lighthouse
uniquely directs the light produced by these modules directly into the sample through a quartz light guide, reducing the distance the LED light travels to near zero. This increases the energy exposed to the photon flux and significantly improves the performance of the photon flux without adding the additional heat generated by the electronics.

The LightSyn Lighthouse
is an easy-to-use device with built-in safety features that keep the risk potential to a minimum. This also includes a handy microswitch that prevents light from emitting if the device is not hermetically sealed. Asynt also offers a heating/cooling base for the LightSyn Lighthouse, which allows precise temperature control from -30o C to 80 oC with an appropriate circulator.

With the help of a single power supply
and the standard fittings, and thanks to the quick setup, photochemical reactions can be carried out safely with repeated results. These are all features that users of "homemade" photochemistry systems sorely miss.

It is Asynt's corporate ethos
to produce laboratory equipment made by "chemists for chemists", and this ethos was also central to the design of this photoreactor. The platform allows for easy customization for a wide range of uses, such as gas reactions/bubbling, programmed reaction management, addition or removal of samples, and possibly even setting up a flow chemistry with multiple LightSyn Lighthouse units.

For more information
on the LightSyn Lighthouse Photoreactor and available wavelength modules, please visit: https://www.asynt.com/product/lightsyn-lighthouse/ or contact us by email at enquiries@asynt.com or by phone at +44 (0)1638 781709.

Notes to editors

Asynt Ltd.
is a leading supplier of chemical equipment to scientists in industry and academia. A sales team of experienced chemists ensures that Asynt, backed by in-depth application knowledge, can provide comprehensive customer service on DrySyn oil-free heating blocks, CondenSyn waterless capacitors, turnkey and customized solutions for controlled lab reactors, flow chemistry equipment, photochemistry systems, synthesis tools, evaporators, temperature control systems, vacuum pumps, laboratory safety equipment, etc.

Further information:

Please contact Asynt's marketing department by e-mail at marketing@asynt.com or by phone at +44 (0)1638 781709

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