

Press Release

Title: Asynt confirm expansion of novel photochemistry range

Asynt have announced the expansion of the LightSyn Lighthouse photochemistry platform with extensive range of additional wavelength modules.

To meet customer demand, Asynt are now offering 11 different wavelength options for those carrying out photochemical reactions with the LightSyn Lighthouse.

In addition to the original options of 460 nm and 365 nm that the platform was launched with earlier this year, users may now choose from lamp modules in 390 nm, 395 nm, 410 nm, 523 nm, 590 nm, 623 nm, 740 nm, 850 nm, 940 nm, and cool white LEDs.

The Lighthouse uniquely channels the light produced by these modules through a quartz light pipe directly into the sample, thus reducing the distance light travels from the LED to almost zero. This increases the power to which the medium is exposed and significantly improves photon flux efficiency without adding additional heat generated from the electronics.

The LightSyn Lighthouse is an easy-to-use device with built-in safety features to minimise exposure risks, including a useful microswitch that prevents light from being emitted if the device is not sealed. Asynt also offer a heating/cooling base for the LightSyn Lighthouse which, when used with an appropriate circulator, enables accurate temperature control from -30 °C to 80 °C.

With a single power supply and standard fittings, those wishing to carry out photochemical reactions can do so safely with a quick setup process and achieve repeatable results – all features that common “homemade” photochemistry systems leave users wanting for.

Asynt’s ethos of providing laboratory tools “By chemists, for chemists” is instrumental in the design of this photoreactor. The platform allows straight-forward customisation for a variety of uses including gas reactions/bubbling, programmed reaction management, sample addition or removal and potentially flow chemistry set-ups with multiple LightSyn Lighthouse units.

For further information about the LightSyn Lighthouse photoreactor and the available wavelength modules please visit: <https://www.asynt.com/product/lightsyn-lighthouse/> or contact us by email via enquiries@asynt.com or phone +44 (0)1638 781709.

Notes to editor

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, 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.

Image 1



Caption: Wide expansion of wavelength options for unique LightSyn Lighthouse photoreactor from Asynt

Further information:

Please contact the Asynt marketing department via email to marketing@asynt.com or call +44 (0)1638 781709

Reference: ASY-PR-108