

## LightSyn Lighthouse

### Batch photoreactor

The Asynt LightSyn Lighthouse is a unique, specialised photochemistry reactor system designed to provide efficient light exposure to your reaction medium, by directly injecting light into the heart of the reaction. Lighthouse also enables simultaneous magnetic stirring and heating/cooling - all in a compact footprint.

Ideal for photochemists looking to obtain powerful photon flux throughout their reaction medium, light is injected directly into the reactor tube/vessel using a quartz light pipe. The system is gas-tight with the ability to take samples during operation.



#### Key features:

- **Temperature:** Ambient to 80 °C
- **Temperature with cooling ring:** -30 °C to 80 °C (dependent on temperature control system)
- **Stirring:** Magnetic stirring with agitation bar
- **Internal capacity:** 18 mL plus a stirring bar max. volume
- **Base capacity:** Either single, or up to 3 positions
- **Inlets:** 1 Gas inlet (hosebarb for 8mm ID tubing included) and 2 inlets/outlets (for sampling/additions).
- **LED:** 10 W
- **Material:** Anodised aluminium

## Safe & simple to use

Home-made photochemistry systems can be complicated & potentially unsafe setups that can prove hazardous to everyone in the lab, not just the user.

With LightSyn Lighthouse, the built-in microswitch stops exposure to light by requiring the device to be sealed, and the on/off usage is simple to navigate.

*Recessed housing for glass tube to sit closer to the hotplate – thus providing more efficient heating and stirring.*



## Popular purchase options

### Other options also available

<b>ADS28-460:</b>	Single Position LightSyn Lighthouse - 460 nm
<b>ADS28-365:</b>	Single Position LightSyn Lighthouse - 365 nm
<b>ADS28-LA-460:</b>	460 nm Light Assembly for LightSyn Lighthouse
<b>ADS28-LA-365:</b>	365 nm Light Assembly for LightSyn Lighthouse
<b>ADS28-ACC:</b>	Accessory Pack for LightSyn Lighthouse
<b>ADS28-TUBES:</b>	Spare Pack of Glass Vials
<b>ADS28-PROBE:</b>	Spare Quartz Probe

Contact us to discuss how LightSyn technology will benefit your chemistry