

Illumin8

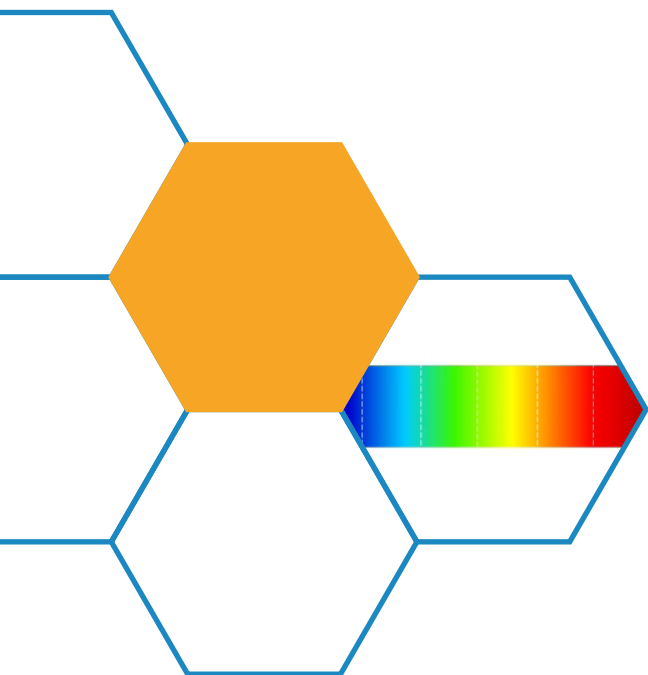
Parallel Photochemistry Reactor

With A Wide Range Of Wavelength Modules

The Illumin8 is an 8 position, gas tight, small scale photoreactor that is proven to give reliable and consistent parallel chemistry screening results.

The Illumin8 includes safety interlocks to ensure that photochemical experiments are light-tight and safe in a compact and sleek design that is perfectly proportioned for powerful stirring and heating (up to 80 °C) on any standard magnetic hotplate stirrer.

Utilising the technology of the DrySyn OCTO parallel reactor at the heart of the Illumin8, easy to use connectors allow for an inert atmosphere/vacuum to be applied to each reaction tube. Sampling and additions can also be carried out safely using the Illumin8.



- Inbuilt safety feature for reliable & robust performance
- Simple to operate
- Gas & vacuum tight reaction conditions
- Safe additions & sampling during operation
- Fan for active cooling
- Plug in and glow technology
- 8 reaction positions, up to 6 mL working volume each
- Dedicated 10 w rated LED light source for each reaction position
- Equal photon flux to each position
- LEDs will not operate unless unit is securely closed
- Self-contained single plug-in unit

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Total Reaction Control

Screen Up To 8 Simultaneous Reactions

With the 10w LED COB chips positioned close to each corresponding OCTO Mini reaction tube, the Illumin8 efficiently delivers an even photon flux to each sample. Compact in design, the module includes safety interlocks to ensure that your photochemical experiments are light-tight and safe with active cooling to keep the reaction tubes from getting too hot from photo irradiation.

The Illumin8 incorporates interchangeable light modules for flexible use in different Photochemical reactions, and a wide range of LEDs from which to choose.



LED modules available as standard:

- Royal Blue LED 450 nm
- UVA LED 365 nm
- UVA LED 390-395 nm
- Violet LED 405 nm
- Blue LED 460-470 nm
- Green LED 520-525 nm
- Yellow LED 590-595 nm
- Red LED 620-625 nm
- Red LED 640 nm
- Deep Red LED 650-660 nm



Active Temperature Control

Suitable For Use With Your Existing Equipment

The Illumin8 Cooling/Heating Base allows for active temperature control of your photochemical reactions, with the base suitable to use from -30 °C to 80 °C, keeping your sample temperature stable despite inevitable temperature increases from the UV waves throughout prolonged exposure.

This base requires connection to a circulating thermostat so ultimate performance will depend upon the cooling power and temperature range of your chosen device. Suitable for use with all popular circulator systems such as those manufactured by Julabo, Huber, Grant and Lauda amongst others.

Contact us to discuss your requirements

