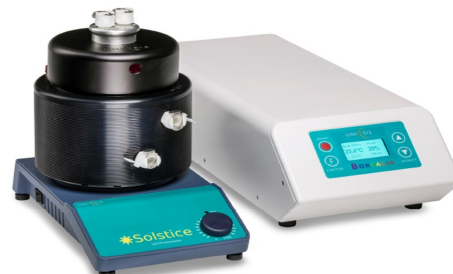
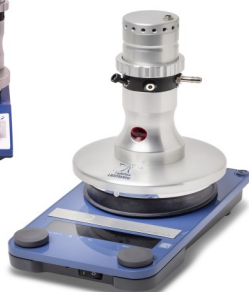


## Batch Photoreactors Comparison



**Lighthouse**

**Illumin8**

**Solstice & Solstice MAXI**

	Lighthouse	Illumin8	Solstice	Solstice MAXI
<b>Number of Vials</b>	1 / 3	8	12	12
<b>Cell Capacity (mL)</b>	18	8	8	20
<b>Lamp Cooling</b>	Fan	Fan	Circulator	Circulator
<b>Sample Temperature Control</b>	Hotplate / Circulator	Hotplate / Circulator	Water Supply / Circulator	Water Supply / Circulator
<b>Temperature Range</b>	-30 to 80 °C	-30 to 80 °C	-30 to 80 °C	-30 to 80 °C
<b>LED Power</b>	10 W	10 W	120 W / 180 W	120 W / 180 W
<b>Wavelengths (nm)</b>	365, 390-395, 410, 460, 523, 490, 623, 740, 850, 940, Cool White	365, 390, 405, 450, 470, 525, 595, 625, 660	365, 385, 405, 420, 455, 525	365, 385, 405, 420, 455, 525
<b>Variable Intensity</b>	No	No	Yes	Yes
<b>Interchangeable Wavelengths</b>	Per Vial - single wavelength module	Yes - one wavelength module for all positions	Yes - one wavelength module for all positions	Yes - one wavelength module for all positions
<b>Sampling / Additions During Operation</b>	Yes	Yes	No	No
<b>Inerting</b>	Per Vial	Per System	Per Vial	Per Vial

Contact us for further information.



## Flow Photoreactors Comparison



**fReactor PhotoFLOW**

**Borealis**

**PhotoChip**

**PhotoSyn**

	fReactor & fReactor MAXI	Borealis	PhotoChip	PhotoSyn
<b>Platform Type</b>	Continuous Stirred Tank Reactor	Coil Reactor	Glass Static Mixer Reactor	Coil Reactor
<b>System Capacity (mL)</b>	8.8 / 37.5	4.3 / 15	2 x 0.27 / 2 x 2 / 10 / 20	2.5 / 5 / 10 / 20 / 53
<b>Lamp Cooling</b>	Fan	Water Supply / Circulator	Water Supply / Circulator	Water Supply / Circulator
<b>Sample Temperature Control</b>	Hotplate / Circulator	Circulator / Polar Bear Plus	Circulator / Polar Bear Plus	Circulator / Polar Bear Plus
<b>Temperature Range</b>	-30 to 55 °C	-80 to 150 °C	-80 to 180 °C	-80°C and 150°C
<b>LED Power</b>	10 W	120 W / 180 W	150 W / 180 W	700 W
<b>Standard Wavelengths (nm)</b>	365, 390-395, 410, 460, 523, 590, 623	365, 425, 440, 465, 525	365, 385, 405, 420, 455, 525	365, 455, 530
<b>Variable Intensity</b>	No	Yes	Yes	Yes
<b>Interchangeable Wavelengths</b>	Yes - each individual lamp module	Yes - via changing the Borealis lamp	Yes - via changing the PhotoChip lamp	Via keypad selection
<b>Gas Purging</b>	No	No	Yes	Yes
<b>Mechanical Safety Interlock</b>	Yes	Yes	Yes	Yes

Contact us for further information.

Asynt document control: TL062

