

LED Parallel Photoreactor XEPU-5116

The LED Parallel Photoreactor XEPU-5116 is equipped with bottom-lit LEDs across a 4x4 reaction block array, providing consistent blue light intensity. The LED Parallel Photoreactor XEPU-5116 enables simple small-scale photocatalysis reaction screening ensuring high levels of consistency across reactions and between runs.



Applications

The LED Parallel Photoreactors XEPU-5116 can be widely used in chemical synthesis, environmental protection, and life sciences. The LED Parallel Photoreactors are mainly used for photochemical reactions under conditions such as gas or liquid media, fixed or flowing systems, ultraviolet light or simulated visible light.

Product Features

- Bottom-lit LEDs across a 4x4 reaction block array provide consistent light intensity.
- Built-in cooling fan provides consistent temperature to each parallel reaction.
- Consistency and reproducibility: consistent blue light intensity and temperature ensures accurate and reproducible data for analysis and research.
- Enhanced productivity: with the capability to conduct up to 16 reactions concurrently
- Long life LEDs for years of use: LED lifespan over 50,000 hours.
- Multiple wavelengths available: 365nm / 395nm / 405nm / 450nm / 480nm / 520nm / 590nm / 620nm / 660nm

Technical Data

Light Source	Model	Wavelength	LED Lifespan	Working Temperature	Power Supply
UV	XEPU-5116UV	360-370 nm	50,000 hours	-35 ~ +60°C	100-260V AC
Blue Light	XEPU-5116RB	440-460 nm	50,000 hours	-35 ~ +60°C	100-260V AC
Visible Light	XEPU-5116LB	400-760nm	50,000 hours	-35 ~ +60°C	100-260V AC