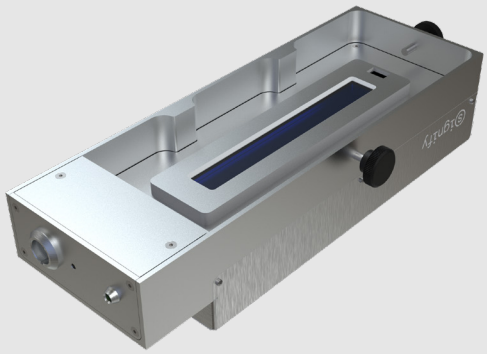


Photochemistry Linear Light Engine (PLLE)

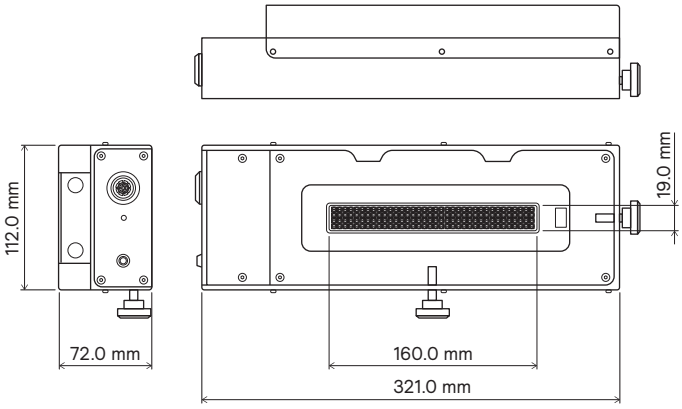
- Single wavelength and multicolor (4 wavelengths per product)
- Dimming 10 till 100% in steps of 5% or via PC interface (optional)
- 365 nm / 395 nm / 420 nm / 450 nm
- Optical output up to 40 W (4 wavelength version)
- Optical output up to 160 W (1 wavelength version)
- CE and UL certified

Overview Linear Light Engine colors and powers

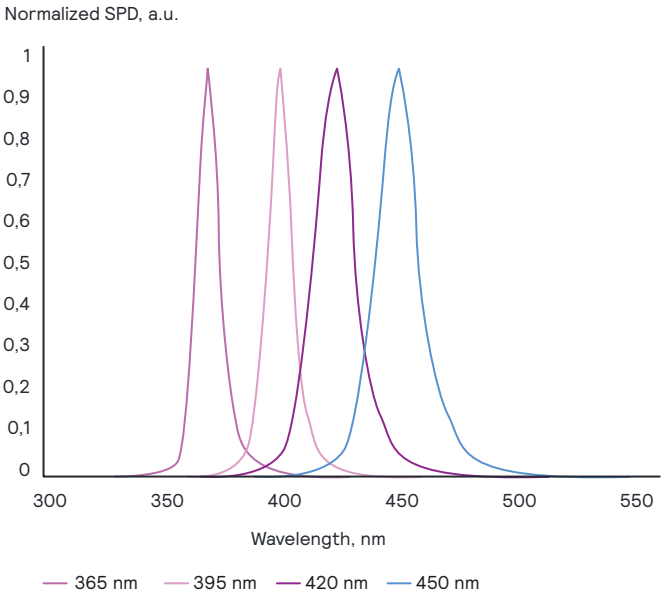
		Single color		Multi color	
Colors	Peak wavelength	Electrical input (W)	Typical* optical output (W)	Electrical input (W)	Typical* optical output (W)
UVA/ blue	365	430	115	108	30
	395	366	135	92	35
	420	400	120	100	30
	450	326	155	82	40

* minimum output 10% less than typical output guaranteed, actual light output dim curve delivered with product, measured light output +/-5% (420 - 450 nm), +/-10% (365-395 nm)

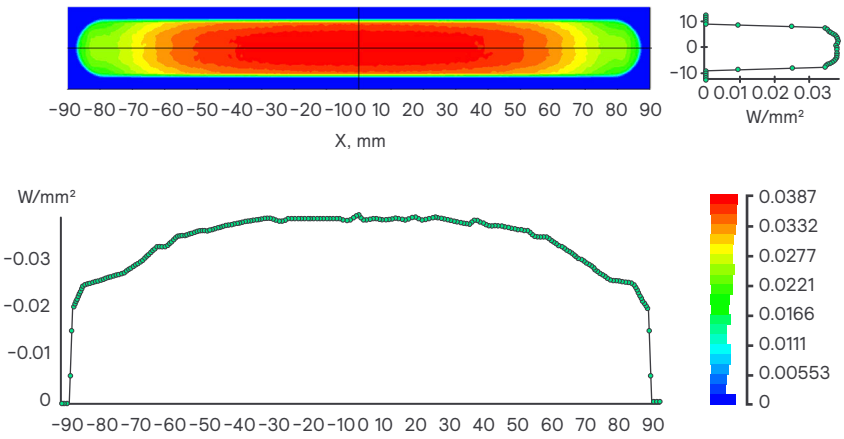
Dimensional drawing



Wavelengths



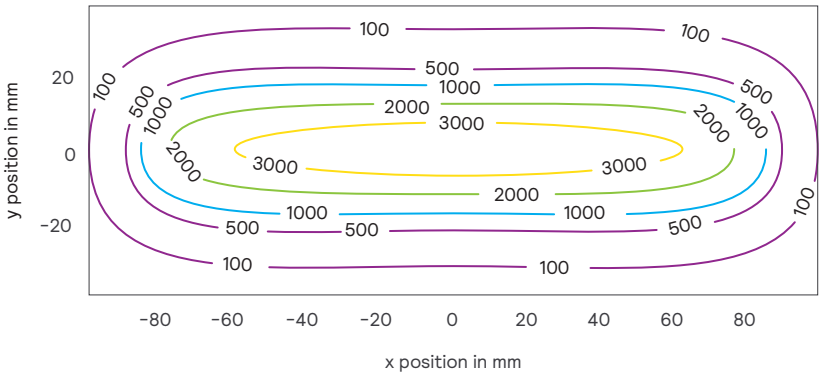
Single color Photochemistry Linear Light Engine HANU



Irradiance plot on the HANU 2X 5ml Photoreactor
The graph on the left gives an irradiance profile on the vertical plane of the reactor window of the HANU 2X 5 ml Photoreactor.

For a Single Color 450 nm Linear Light Engine the peak irradiance is about 3900 mW/cm^2.

Irradiance plot at a distance of 1 cm



Contour plot at a distance of 1 cm
The graph on the left gives a contour plot on a vertical plane perpendicular to the optical axis at a distance of 1 cm from the Linear Light Engine.

For a Single Color 450 nm Linear Light Engine the peak irradiance is about 3500 mW/cm^2.