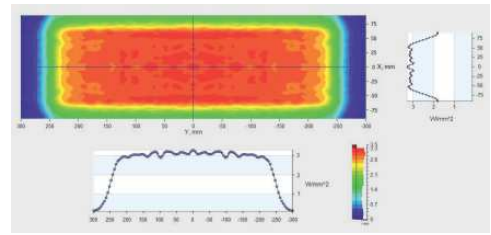




**montena**

## Pulsed Light Unit



The Pulsed Light Unit PLU-3kJ is an OEM-solution for decontamination of the surface of foodstuff as well as of food- or drug-packaging. It allows the non-thermal treatment of an area of 46 x 14 cm with a repetition frequency of up to 1.4 Hz. With these characteristics it is well adapted to the speed requirements of industrial mass-production. The integration into existing or new production lines or machines is easy to perform and requires a limited number of interfaces. The light cassettes are designed in order to be placed at a distance of typically 3 cm from the area to be treated. The integration of the units requires light confinement and safety locks.

The scope of the delivery consists in:

- one high voltage power supply
- one capacitor rack
- one switch and control rack
- one light cassette

### SPECIFICATIONS

Type	PLU-3kJ
Energy per pulse	3 kJ
Light spectrum	200 – 1'250 nm
Treatment area	46 x 13 cm
Fluency deposited by each light pulse	up to 2.2 J/cm <sup>2</sup> (typical)
Maximum repetition rate	1.4 Hz (one pulse every 0.7 sec.)
Electrical power supply	7.5 kW / 400 V <sub>ac</sub>
Cooling	150 m <sup>3</sup> /h, air at ambient temperature
Interface to supervisor controller	PROFIBUS DP or RS 485
Digital inputs / outputs	available for safety circuit control and others
Storage / working temperature	5 - 50 °C / 15 - 45 °C
Overall dimensions of the three electronics racks	width: 19"; height: 66.5 cm; depth: 53 cm
Dimensions of the light cassette	18.2 x 20 x 85 cm (W x H x L)
Weight of the three electronics racks	75 kg
Weight of the light cassette	5 kg