



## DESIGNER AND MANUFACTURER OF **PULSED LIGHT SOLUTIONS**

Expert in optical and electronic technologies applied to Xenon flashes, Phoxene designs and manufactures products dedicated to Pulsed Light decontamination.



## **A RANGE OF PRODUCTS** SUITABLE TO MANY USES

The product covers many uses ranging from instant decontamination of small food containers to hospital room.



# WHAT IS PULSED LIGHT ?

It consists of bringing light energy to a surface in a very short time (<1ms). The pulsed light is generated in a quartz tube containing a Xenon atmosphere to which an electric pulse is applied.

## DECONTAMINATION TECHNOLOGY

The efficiency of the decontamination phenomenon results from the emission, at very high instantaneous power levels, of destructive wavelengths for microorganisms (bacteria in vegetative form but also sporulated, molds, yeasts, viruses).

## WHAT BENEFITS ?



### EFFICIENT

Decontamination of 3 to 5 log in 1 flash (99.9 to 99.999%)



### INSTANTANEOUS

A treatment in 0.1 second by a very powerful flash of light



### ECO-FRIENDLY

No water, no chemicals to recycle and no mercury unlike continuous UV technology

# DLP CUP

## POTS DECONTAMINATION SOLUTION

- Adapted to **production line speeds**
- **Efficient** with 3 to 6 log in 0,1 second
- **Compact** for easy integration

Pulsed light disinfection is a practice commonly deployed in the **food industry**. It replaces chemical techniques for the treatment of food containers (jars, buckets, trays, caps, etc.) or food preparations. Treatment of containers before filling also reduces the use of preservatives. This Pulsed Light solution is spreading in **cosmetics and paint industries**.



# DLP 360

## DECONTAMINATION OF CARE ROOMS

- **Fast room processing:** 5 to 15 minutes
- Transportable equipment
- Available for OEM integration (without cart)

Pulsed light decontamination of rooms has been a practice for several years. **Mercury-free** unlike continuous UV equipment, the DLP-360 solution is particularly suitable for the cleanliness of **hospital rooms** or **ambulances**. Equipped with electronics of **800 Watt**, the DLP-360 is the most powerful solution on the market. A **reduction in the risk of contamination by a factor of 100** after a 10 minutes treatment can be achieved depending on the size and configuration of the room.

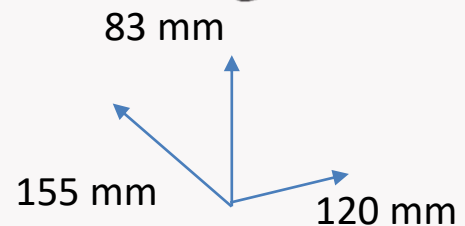


# DLP nano

## ULTRA COMPACT DECONTAMINATION

- **Frequent handling of unoccupied spaces**
- Can be integrated into partitions and ceilings
- Low consumption of 40W

Low power Pulsed Light coupled with repeated exposures can decontaminate unoccupied spaces. The case of **elevator cabs** or **metro trains immobilized** at night are examples of the use of the DLP-nano solution.





## AT SERCICE OF **INTEGRATORS AND EQUIPMENT MANUFACTURERS**

As an industrial company, Phoxene supports the development of industrial equipment customers by offering standard solutions or on specifications.



## **A PROJECT ? QUESTIONS ? A QUOTE ?**

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